



Project documentation on
“Agro Cattle Care”

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APPROVAL

This Project titled “**Agro Cattle Care**”, Submitted by **Sharif Hosen**, ID No:**191-16-433** to the Department of Computing & Information Systems, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computing & Information Systems and approved as to its style and contents. The presentation has been held on-09-11-2021.

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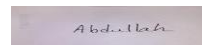
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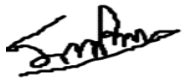
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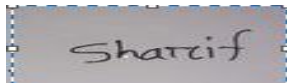
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Declaration

I hereby declare that; this project has been done by me under supervision of Md.Rafiqul Huq Rafi, Lecturer, department of Computing and Information System (CIS) of Daffodil International University. I am also declaring that this project or any part of there has never been submitted anywhere else for the award of any educational degree like, B.Sc., M.Sc., Diploma or other qualifications.

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Acknowledgment

I would first like to thank Almighty God. God gave me the ability to do this project properly. I would like to thank my all-university teachers who have been very supportive of me in developing this project. I wouldn't have been able to earn any of these things without them

I would like to thank my course supervisor Md. Rafiqul Huq Rafi I would like to thank my family for always supporting me emotionally and financially. I want to thank my friends who always support me and they always help me in my studies and they give me the emotional support that I need for everyone who is very lucky.

Because I got it all

Sharif Hosen

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Dedication:

This project is an ecommerce project which is my first final project, so I would love to dedicate this final project to my father and my mother. In our lives, they are a huge inspiration and support to me, even though they are nothing in my life. Decorate some effort and they dedicate some more jeans.

It is I who believe they deserve this honor.

Executive Summary:

This proposed system is an academic project of mine. And this application is a web-based system. And Bangladesh and 70% of the people are involved in agriculture. Meeting the needs of Bangladesh and the people. 14.74% of Bangladesh's income comes from the agricultural sector but the government has no appeal to improve the agricultural sector in Bangladesh. Farmers will be able to purchase products from anywhere else in Bangladesh and get different medical services in the animal and agricultural sectors, and choose different types of services for consumption. To receive any service, the user needs to register and sign in to the system. They can view their information from here and edit from their profile. They can also view their profile details.

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CHAPTER 1 –INTRODUCTION
Initial description of the total project
Glossary
Initial description of the total project

1.1 Introduction

We know that Bangladesh is an agricultural country, the first source of income of Bangladesh is agriculture. However, it goes without saying that our government has no central request to manage or monitor these. Due to this Bangladesh and the farmers have to face a kind of problem. My proposed system "Agro Cattle Care" will be able to buy and sell all these problems like agricultural seeds. Cultivation rules, livelihood problems, quality beach recognition, livestock treatment system, agronomist and counseling, etc. can be solved properly. They may benefit from using this system. If any farmer has any problem, they can take the help of this system.

1.2 Glossary

I think it should define the technical terms used in the document. You should not speculate about your reader's experience or skills. Here, I will describe shortly below:

- SRS - Specification of system requirements
- SDLC - Software Development Life Cycle
- UI - User interface
- Agro cattle care - For those who work in agriculture and raise livestock.
- User-Friendly: Describes a user-friendly hardware device or software interface that is easy to use. It is "user friendly", which means it is not difficult to learn or understand.

1.3 Document Context:

Chapter 1 Introduction

Here I will try to give a brief description of my project.

Chapter 2: Initial Study.

I will describe the main theme of my proposed system here. Here basically focus on the potential areas of my project.

Chapter 3: A Literary Review

Here I will discuss the domain of the system, analyze the existing system, and compare the systems with the systems and solve the problem regarding the proposed method.

Chapter 4: Methodology

Here I will use the selected method that I use and why the method is used, I will discuss the method implementation section and parts of the methods here.

Chapter 5: Planning

Here I will discuss the project planning phase, project management, safety, risk, and quality management

Chapter 6: A Feasibility Study

Here I will discuss all economic, operational, technical, cost-benefit analysis, and social feasibility.

Chapter 7: Foundation

I discuss here the existing system processes and problem areas of the system, system requirements, rich diagrams, and troubleshooting of this system.

Chapter 8: Exploration.

Full System Use Case, Full System Activity Diagram

Chapter 9: Engineering.

I have given here some system diagrams of this system like class diagram, the field of use, sequence diagram, and engineering to describe the new system.

Chapter 10: Deployment

I will discuss here the system development steps required to develop the system, including the key seeding and priorities of this system.

Chapter 11: Testing

This system includes details of all system testing of system testing such as unit testing, module testing, integration testing, performance.

Testing etc.

Chapter 12: Implementation

I will implement my new system here, describing load balancing and the Big Bang theory.

Chapter 13: Conclusion

I have given here the summary of this project, project goals, and a main focal point.

CHAPTER 2 – INITIAL STUDY

Project proposal

The goal of the project

Background of the project

Problem area

Possible solution

2.1 Project proposal

Project Discussion:

I am going to create a web-based system that is easy for farmers to manage. The system explains how farmers can communicate through the online system and help each other easily. Use for Bangladesh and those involved in agriculture.

Users can visit this site and choose the services they need. To access any service, the user must be registered and signed in to the system. They can view their information and edit from their profile. They can also view their profile details. This site saves time and money for people who will find solutions to any problems they may encounter for agriculture and cattle rearing who will be able to buy agricultural products. Also, make their lives more comfortable so that users can easily avail their services from here without any doubt. Its stakeholders are Bangladeshi farmers. Only administrators have the right to sort, update or delete anything they want.

2.2 goals of this project

- User friendly: I think the system needs to be user friendly for access and proper use.
- Easy to Use: Improving the system so that those involved in farming and animal husbandry can easily access it.
- Protect all resources: All resources need to be protected because farmers have all the resources and if there are lost resources, it is very difficult to manage again.
- Customers can buy products through bkash, nogot and more.
- Notices and files must be provided.
- Farmers will be involved in web application.

2.3 Project Objectives

- The purpose of the project is to create an application so that those involved in agricultural work can access it from anywhere and get any problem solved at any time.
- Easy to find options for any service, file, note, search.
- No further experience is required to use this web application.

2.4 Background of the project

We know that agriculture is the most important sector of the Bangladeshi economy, contributing 19.6 percent to the national GDP and providing employment for one percent of the population. Bangladesh is much more dependent on the black climate and could wipe out the entire crop a few hours later when the cyclone was hitting the country. According to the World Bank, the total cultivable land of Bangladesh is 611.2 percent of the total land (less than .36.3 percent in 1970). Farms are usually very small due to overcrowding, overcrowded land ownership, and inheritance rules. Three major crops - rice, jute, and tea - have dominated agricultural exports for decades,

although rice is grown entirely for domestic consumption, while jute and tea are the main export earners. In addition to these products, Bangladeshi farmers produce sugarcane, tobacco, cotton, and various fruits and vegetables (sweet potatoes, bananas, pineapples, etc.) for the domestic market.

I talked to a number of other farmers and they said that if I had the advice of a good agricultural officer, we would have done better in agriculture.

We know that Bangladesh is an agricultural country and most of the people in this country make a living by working in agriculture. There is a special emphasis on keeping cattle in all the families of agriculture. As an agricultural country, most rural households adopt a mixed and simultaneous crop and livestock farming system. Considered as the most valuable resource of small scale farmers in terms of efficiency of cattle meat and milk production among the raised animals, however, there are many hurdles along with the whole downstream quality discipline along with cattle rearing. In this context, Bangladesh adopts 3ADI + program Sustainable food value chain approach to improve sub-sectors. Meat sustainability in Bangladesh includes meat price chains, by-products, support services, and environment activation. Model sustainability with potential intervention and an action plan for economic, social, and environmental achievement. I was talking to a farmer who raised cattle, what kind of problems they face. They say that they can't get good doctor advice anymore, they don't get the right veterinarian, which doesn't benefit them. They say has not yet found a solution to this problem

2.5 problem area

This project is web-based and requires internet access in our country. Every farmer no longer has a laptop or computer and if some people are not able to buy internet, they will face this problem. But it can be a problem to be removed. Almost all are now mobile or. No internet connection is required for access. Another problem is that some people do not know how to operate a computer or mobile and how to search for it, but there are solutions for them. Can. Then this problem can be solved.

2.6 problem solution

We always know there are solutions to all problems. Every system has to face some problems. My system has some problems like a web-based system that people need to be greedy in the mobile app for use and I will develop this system in web application. I will give guidelines about the system for everyone but they can use it easily and no additional trainer is required.

CHAPTER 3 – LITERATURE REVIEW

Discussion on the problem domain

Discussion about problem solution

Comparison among three online system

Recommendation approach

3.1 Discussion on the problem domain

Agriculture and animal husbandry are the largest employment sectors in Bangladesh. The performance of this sector has an irresistible impact on large macroeconomic goals such as employment generation, poverty alleviation, human resource development, food security, etc.

We know that more than one Bangladeshi makes a living from agriculture. Although rice and jute are the primary crops, wheat is gaining more importance. Tea grows in the northeast. Due to the fertile soil of Bangladesh and generally adequate water supply, in many areas paddy can be grown and harvested three times a year. Due to a number of reasons, Bangladesh's labor-intensive agriculture sector has achieved steady growth in food grain production despite the often unfavorable weather. These include flood control and irrigation, a generally more efficient use of fertilizers and better distribution, and the establishment of a rural credit network. National sales of pesticides used in rice, including granular, synthetic and malathion, exceeded 13,000 tons of finished products in 2003. Pesticides not only represent an environmental threat; they are an expensive expense for poor rice farmers. Bangladesh Rice Research Institute is working with various NGOs and international organizations to reduce the use of pesticides in rice.

Compared to rice, wheat planting in 1999 was 1.9 million tons (1,900,000 long tons; 2,100,000 short tons). Population pressures maintain a serious burden on productive capacity, creating food shortages, especially of wheat. Foreign aid and commercial imports fill the gap. Unemployment remains a serious problem and a growing concern for Bangladesh's agriculture is the ability to exploit excess manpower. Finding alternative sources of employment will be a problem for future governments, especially for the growing number.

3.2 problem solution

Users from anywhere in the world can visit this site and choose which services they need. In order to receive a service, the user must be registered and signed in to the system. They can view their information and edit it from their profile. They can also view the details of their profile. This site saves their time and money for people who are involved in agriculture and animal husbandry, face any kind of problems such as fertilizer application, improved seed problem, need for livestock treatment, liaise with other agriculture officers. Also, make their life more comfortable so, users can easily take their services from here without any doubt. Its stakeholders are Bangladeshis who are engaged in agriculture. Only the administrator has the right to sort, update or delete anything they want.

3.3 Comparison among three online system

The system is new in Bangladesh. No other projects available here. But nowadays the Bangladesh government has many websites for farmers. But my system is different from others. Many other developed countries use this type of web application. However, Agro Cattle care was much improved from.

3.3.1 Bangladesh govement website.

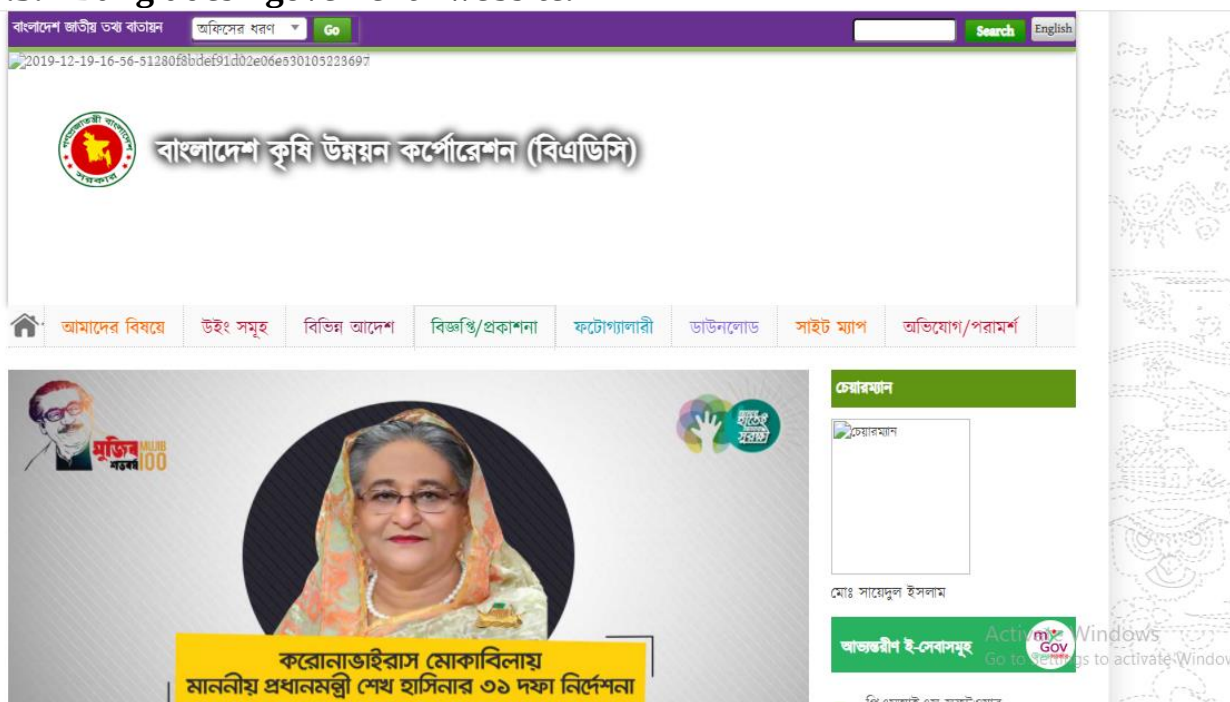


Figure 1: gov,t Website.

There is an official website of the Government of Bangladesh about those engaged in agricultural work. However, that website has nothing to do with their services. There are a few notices and pictures. About 60% of the people in our country are involved in agriculture. They often suffer from various problems. So we must have a responsibility towards them. However, there is nothing on the official website of the Bangladesh government. (kamal, 2021)

3.3.2 India Gov,t website

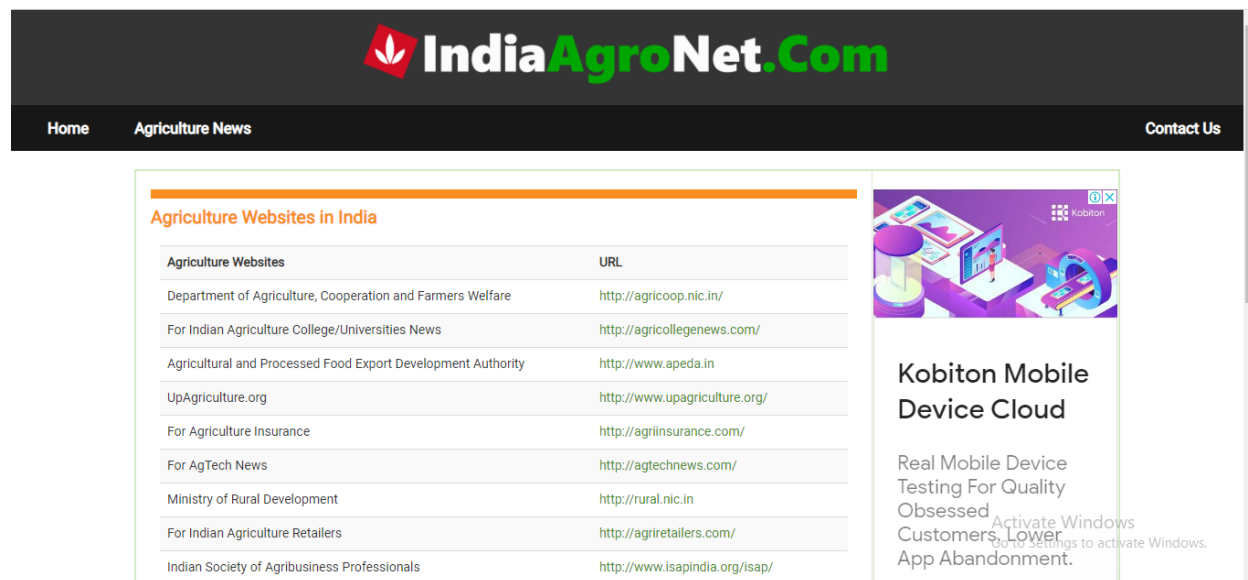


Figure 2:India Gov,t website .

India is a much more developed country than Bangladesh. However, those who are still engaged in their farming have not been able to create any facilities. Many people in their country are involved in agriculture and face various problems but their government has not shown any responsibility towards them. Although their services here are more than in Bangladesh, there is nothing on their website to give proper benefits to the citizens of their country. I don't like their website. (www.indiaagronet.com/, 2017)

3.2 Recommendation

For the first time, I can't apply all over the world. First I want to see Bangladesh and for that, slowly. I will try to connect with all the private companies despite my system. The wider the length of the system chain, the more people will benefit. If this project spreads properly all over the world, all farmers and cattle breeders will have no more problems.

CHAPTER 4- (METHODOLOGY)**What to use****Why to use****Sections of methodology****Implementation plans**

4.1 What to use

About DSDM:

This method is used in the development of systems and structures, and the design and development stages of software development. This is a process of software development. To develop it, I relied on DSDM (Dynamic System Management Method) for the proposed system.

DSDM (Dynamic System Management Method) My system has some of the following framework functions:

- DSDM helps to define strategic goals for the project.
- DSDM is always focused on time management and it helps to deliver the system in real time using time box and it helps to develop the system with iteration.
- Method This method helps customers in their business objectives

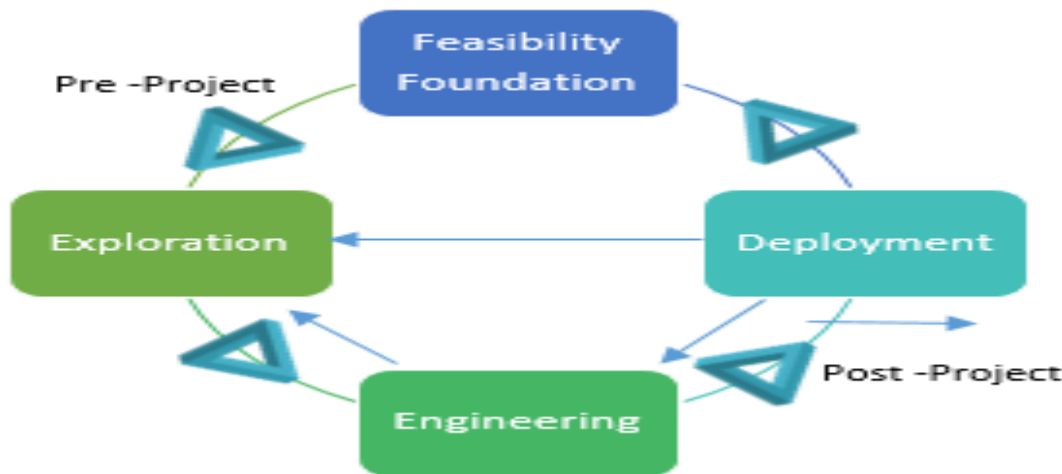


Figure 3:phases DSDM.

4.2 Why to use

Suitability of DSDM pattern for the proposed system:

- We know that there are some strategies for each project development time which is very important for the project, every customer wants to get their system on time and DSDM helps to solve this problem and it allows us to contact the user to ensure that it meets the needs of the user. Stays.
- There are a lot of requirements in this project which I think need to be properly prioritized for development at the right time. The DSDM Moscow priority strategy needs to be used to manage to prioritize user needs.
- Helps to clarify the requirements of the DSDM system and the objectives of the system. This helps to clean up the proposed system. I think DSDM is suitable for this system

Techniques by DSDM:

Moscow's priorities help develop system requirements for development. Below we will see some excerpts:

Must have: In this part, it helps to define the main functional requirements without the system and I think it is not effective for the customers.

Should Have: In this part, the most necessary requirements help the band to create the solution for the benefit.

Could have: In this section, it helps to define some important requirements which are not required if the requirements contained therein do not affect the system.

Want have: In this section, it helps to determine what requirements are required in this system.

ii. Time box:

Let's set a time limit for completing the scheduled tasks.

Each component takes time to be implemented.

Break down the tasks and describe the sub-tasks of the process.

iii. A Iterative development

In the e-project I choose DSDM because it helps to develop repetition of system usage in these frameworks and follows a cycle given below:

- It helps to identify the work for the system.
- This helps to complete the planned work.
- Measures the work of a solution system
- This helps to check the functionality of the system and to determine if the objection is meeting.

4.3 Selection mythology

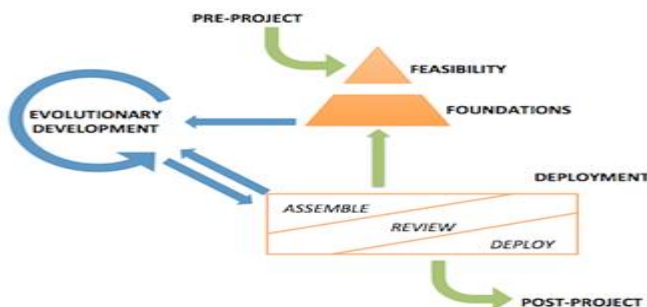


Figure 4:DSDM 6 phases.

1. pre –project:

Guarantees at the pre-project stage and can understand that the right thing to do alone has been set up effectively. And move forward with any work that has been resolved. The receipt is then ready for study. Work validity begins with the study of achievability.

2. Feasibility:

A feasibility study is an investigation that considers significant elements of the project and - including economic, technical, and operational studies - helps me discover the feasibility of finishing work on the project initiative. I think the owners of the project are encouraged to take an initiative before contributing a large amount of time and cash to it and can use plagiarism to realize the motivation

3.Foundation:

We know a basic understanding of the needs of the association and how this task aligns with those needs. The idea is that any enterprise needs to get a picture of the amount of work required and to set its structure we need estimates to finish things within the need and task to set up the framework, using run estimates if necessary.

4.Evolutionary development:

As we use the evolutionary development time cycle to control, we know that each cycle removes a finished bit with much larger completeness. Moscow's priorities can be used to organize things that normally work with each time box cycle.

5.Development:

As we know, development is a process of three sub-divisions such as assembling, deploying and reviewing.

6.post–project:

The product is fully developed when we complete all the iterations. And when completed, the project enters the post-project.

4.7 implementation plan

We know the plan is a principle improvement and it will be implemented in the region. And it is important to keep in mind the use of the structure and the time it takes to complete all the requirements that were previously gathered from the customers and from the business. Only a model can provide a simple idea of how the format will be integrated. And thus the proposed structure can be implemented with logical documentation.

CHAPTER 5- PLANNING

Project Plan

Test Plan

Risk Management

5.1 project plan

5.1.1 Work Breakdown Structure (WBS)

Now I am going to provide a WBS of this proposed system for my project.

Activity	Start date	duration
Introduction	15-6-2021	1 days
Initial Study	16-6-2021	7 days
Literature Review	23-6-2021	14 days
Methodology	9-07-2021	3 days
Planning	13-7-2021	3 days
Feasibility	18-7-2021	4 days
Foundation	23-06-2021	3 days
Exploration	27-7-2021	15 days
Development	13-8-2021	15 days
Testing	28-08-2021	7 days
Implementation	5-09-2021	4 days
Lesson Learn	10-09-2021	3 days
Conclusion	20-09-2021	1 days
Total Effort Time		86 days

Table 1:Work Breakdown Structure (WBS)

5.1.2 resources allocation.

My approach to this project is determined, timed and professionally milestone. I am allocating the resources of this proposed system for my project.

Time box:

Time box	Activity	Analyst, Developer, Tester, User
T1	Introduction	
	Initial Study	analyst
T2	Literature Review	Analyst
	Methodology	
	Planning	Analyst and User
T3	Feasibility	Analyst and User
	Foundation	Analyst and Developer
T4	Evolutionary Development	Analyst and developer
	Development	Developer and tester
T5	Testing	Developer and tester
	Implementation	Analyst ,developer, and tester.
	Lesson Learn	Analyst ,developer, and tester.
	Conclusion	Analyst

Table 2:Time Box

5.1.3 Gantt chart

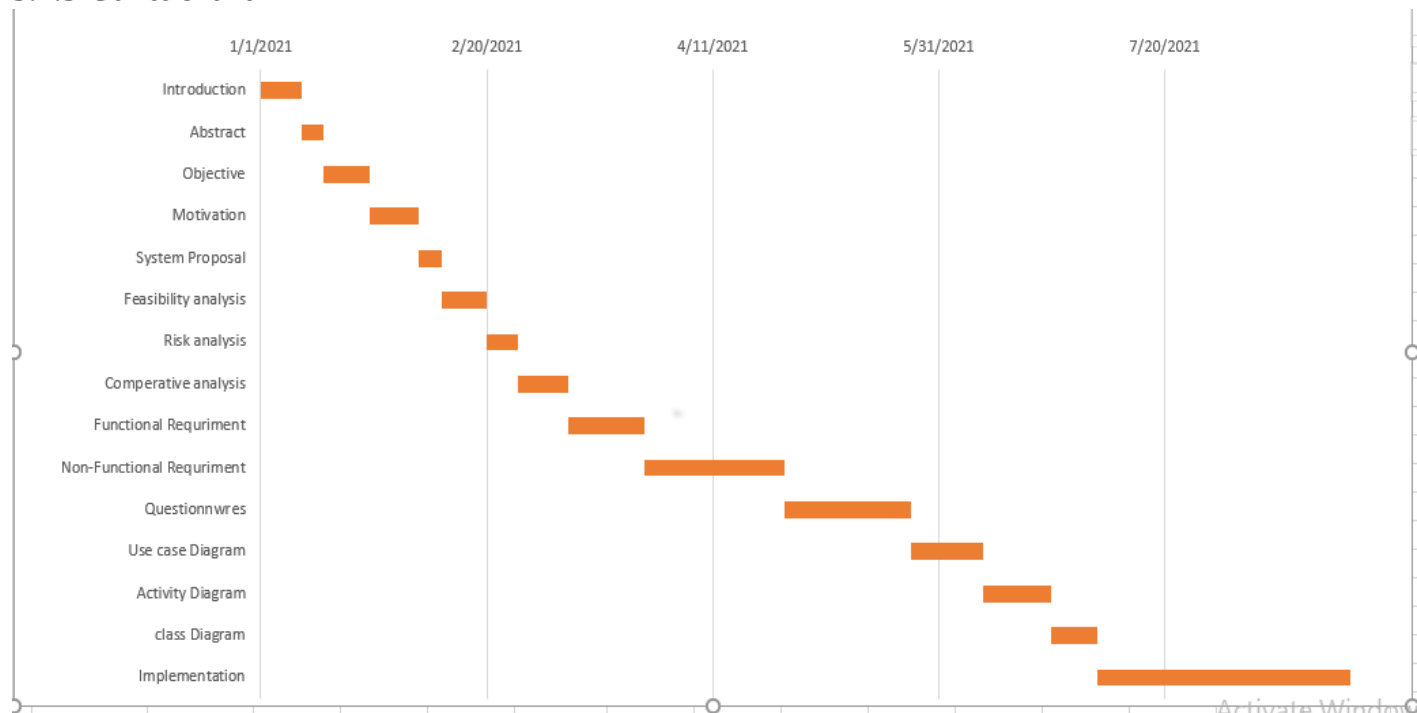


Figure 5:Gantt chart.

5.1.2 Activity Network

This activity network is a graphical strategy to indicate the work (practice) and status of a project.

My project

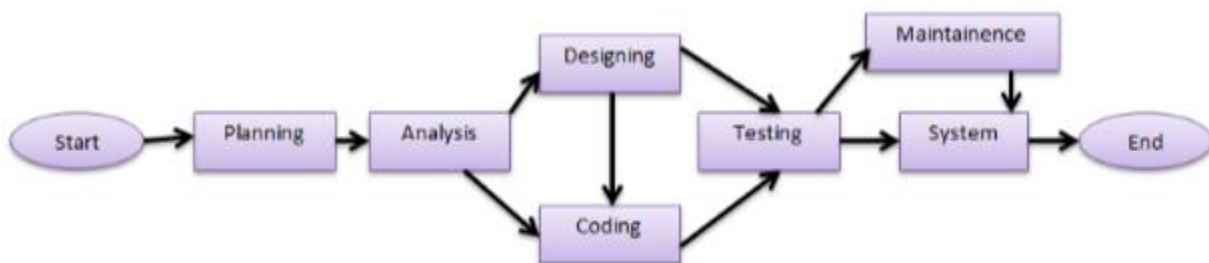


Figure 6:activity network

5.5.1 testing plan time box.

Testing is the most important part before project delivery to the clients. There are given below.

User role	Example	Role	Example	
-----------	---------	------	---------	--

Time box ID				
Time box contents				
Time box type	Test step	Expected results	Actual results	comments
Unit testing				
Integration testing				
Module testing				
Acceptance testing				
Performance testing				
Security testing				

Table 3: testing plan time box.

5.5.2 Required Tests

Unit testing:

Unit testing is a package testing of a form where individual units/segments of a product are tested. The thing to do is that each unit of the product produces as expected. The unit is the smallest part that can be tested. At first, single fruit was found. White box test included (www.xenonstack.com, 2018)

Acceptance testing:

The acceptance test is a stage in the evolution of the software that has to comply with the requirements of the system business and determine whether it is acceptable.

Performance testing:

We know that performance testing is a level of software that determines the speed, responsiveness, and, of course, the process of determining the stability of a software program under work pressure.

Security test:

Security testing is a process of software testing of how data or information is protected in a system.

5.6 Test Plan

Am going to test case table my project

Test case No.				
Test Description				
Test Steps	Expected Results	Actual Results	Comments	

Table 4:sample test plan

User acceptance test:

User acceptance test plan for this proposed system.

Test Case No	Name		
Test type			
Test Title			
Precondition Test			
Test Steps	Expected Results	Actual Results	Comments

Table 5:User acceptance test plan

CHAPTER 6 – FEASIBILITY STUDY**All possible type of feasibility****Cost Benefit Analysis****DSDM – good or not for this project**

6.1 All possible type of feasibility

6.1.1 Economic Feasibility analysis

We know economic analysis, cost/benefit analysis. This is a new system and the most commonly used method of estimating efficiency. And in economic analysis, the strategy is to control the expected benefits and savings from the candidate system and compare them with the cost. And if the system design and implementation are decided. Another thing is that an entrepreneur must calculate the price correctly against the benefit before taking any initiative.

In the case of economic analysis?

- We need to see if the cost system works.
- Whether maintenance costs are properly incurred.
- What will the model be like for them?
- What will be the estimated cost of hardware development?

We will look at my proposed hardware and software below:

The strategies we can use to develop the proposed system, web, applications, mobile applications, desktop-based applications.

Mobile application: This is an application that needs to be installed on every device that I think will include all the data and features for routine classification.

equipment	cost	Total cost
A external VPN service	2500tk per math	2500taka
Desktop computer (Core i7, 2.4 GHz processor, 8 GB RAM, and 1 TB HDD	55000tk	55000taka
Web, file and mail service.	11000taka	11000taka
Total		68500taka

Web-application:

We know that web-applications do not need to be installed anywhere, because the entire system and related data can be accessed by remote server hosts and from anywhere on the Internet.

equipment	cost	Total cost
A external VPN service	2500tk per math	2500taka
Desktop computer (Core i7, 2.4 GHz processor, 8 GB RAM, and 1 TB HDD	55000tk	55000taka
Web, file and mail service.	11000taka	11000taka
Total		68500taka

Desktop application:

If we want to use this application, we need to install it on the computer. And in that case a remote server is needed to store the data and consequently a web-based solution.

equipment	cost	Total cost
Desktop computer (Core i7, 2.4 GHz processor, 8 GB RAM, and 1 TB HDD	55000tk	55000taka
Web, file and mail service.	11000taka	11000taka
Total		66500taka

6.1.2 Technical feasibility:

A technological feasibility study examines whether new technologies are needed to deploy technological systems, whether or not organizations and users can maintain them. It is the system and the technology used by the victims to keep the past data together, the projected system is technically possible as a result of the intelligent phones that suffer today. We know that laptops and even tablets are common and so there is no need for coaching to work on these because this supposed system can run through these devices.

6.2 Risk analysis:

We know that risk analysis is essential for software testing. Software testing, risk analysis is the process of identifying risks in applications and prioritizing their testing. It is a risk to some organizations from material threats. Risk analysis is an attempt to identify all risks and prove the severity of the risks. As a threat we see a harmful phenomenon. If this happens, it exploits vulnerabilities in computer-based and smartphone-based systems.

We know that items of higher risk should be tested first and foremost.

Low-risk standard items may be tested later, or not at all.

Can be used with errors. The following projects may appear in the "Agro cattle care " method:

Risk of	Probability	Impact
A Changing laws of Government	30%	Low-level
Sales and promotions	50%	moderate
Financial support	55%	moderate
Data safety	45%	moderate
Support team	40%	Low -level

Table 6: Estimation for the project

6.3 DSDM – good or not for this project

We know this is an academic project and must be completed within a limited time because with all the basic functionality. Development may need to be adapted to changes during the project so

it should be developed repeatedly. Ensure DSDM repeat development process and impose strict rules and restrictions. It works within the time limit to ensure quality. This ensures user engagement throughout project life time. So, it is clear that DSDDM is the best method to follow

Agro cattle care .

CHAPTER 7- FOUNDATION

Overall Requirement List

What Technology to be implemented (Client/Web/Standalone)

Recommendations and Justifications

7.1. Overall Requirement List

1. Functional requirement.

2. Non-functional requirement.

1. Functional requirement

Here the effective necessity is supplemented and designed by specification. Readers need to load the system, but I don't think loading documentation will require any special technical knowledge.

FR-01	All services will be visible after logging in to the system.
Description	Displays a report based on system services. Those involved in agriculture will see that page as a landing page
Stakeholders	Agro cattle care ,management authority admin .
priority	Must have

FR-02	Show real-time updates.
Description	Those who are involved in agriculture or this system will be able to see real time updates. When they select an update option, they split Will see the list and they will select a specific list.
Stakeholders	Agro cattle care, management authority admin .
priority	Must have
FR-03	Add notice and update notice.
Description	Update notice
Stakeholders	admin .
priority	Must have

FR-04	The system can be chatted with each other.
Description	The chatting system will communicate directly with each other. In the system when a parent sends a message to a course teacher, a brief introduction will automatically be generated by that parent. It's the same when you send a message.
Stakeholders	admin .
priority	Must have.

FR-05	Contact us anytime for any emergency services.
Description	Farmers can contact for any emergency service at any time.
Stakeholders	admin .
priority	Must have.
FR-06	Order and By product by bkash,nogot.
Description	24 hour open for order and buying product
Stakeholders	Agro cattle care management authority.
Priority	Must have

7.3.2 Non-functional requirement

Nonfunctional requirement that work my system is below :

NR-01	The use of the system will no longer harm the human user
Description	The system is designed in such a way that it does no harm to any human user
Stakeholder	Agro cattle care, management authority

NR-02	The landing page here will respond within a second.
Description	I think it will not take more than 5 seconds for the feedback response to be displayed on the screen.
Stakeholder	Agro cattle care ,management authority

NR-03	Recovery account
Description	Click to forget the password to restore their account and reset account power.
Stakeholder	Agro cattle care, management authority

NR-04	Here the system must be available 24x7
Description	The system must be available 24 hours a day. Because I think it should be updated regularly
Stakeholder	NA

7.3.4 Requirement Prioritization

Req_ID	Important	Urgent	priority
FR-01	yes	yes	High
FR-02	yes	yes	High
FR-03	yes	yes	High
FR-04	yes	yes	High
FR-05	yes	yes	High

7.2Technology to be implemented (Client/Web/Standalone)

In general, this section will describe how to improve the existing system. Programming languages are used to create this system.

Choice of programming language: there are some programming language. such as :

- Python
- Java
- MYSQL
- PHP
- BOOTSTRAP
- JAVASCRIPT
- C#

SO, I use python (DJANGO) for making “Agro cattle care” system.

Python is an excellent medium for building large sizes that can be a powerful tool that is straightforward to scale square measurements. If necessary, I can use the Python platform

to feature several options in the project. For the packet developers of these tools, I think it can apply any business logic to this project.

Large size developments with Java allow me to run them at high speeds. One of Python's core options is object-based. It gives me multifaceted and protracted development progress. This language is standard and has a large number of certified developers. There is a huge community out there where developers will notice the information as contributing to a topic that is similarly helpful.

7.3 Recommendations and Justifications

I can't apply all over the world. First I will open it in India. Because a large number of people in India are involved in agricultural work. And more people will benefit from this web application when the length of the system chain is widened.

SWOT analysis:

Reasons for SWOT analysis Every professional in a project and analyzes. E.g.

(S)-Strength:

- The "agro cattle care" system focuses on both different regions.
- High quality of services; 100% of the work is centrally controlled.
- The “agro cattle care” system always checks for the needs of those involved in agricultural work.

(W)-Weakness:

- This is a very big project. Which we know is expensive to maintain.
- This is my first project and I have no sponsors so we have a much lower budget. So that I can't publicize the competition extensively

O)-Opportunities:

- I want to use agro cattle care first in Bangladesh. Later I will gradually reach out to farmers all over the world.
- From here, Bangladeshi farmers will get services, later different arrangements will be expanded.

(T)- Threats:

- The struggle with others needs to be strengthened.
- Data may steal by any third party.

CHAPTER8- EXPLORATION**Full System Use Case****Full System Activity Diagram**

8.1 Full system use case diagram:

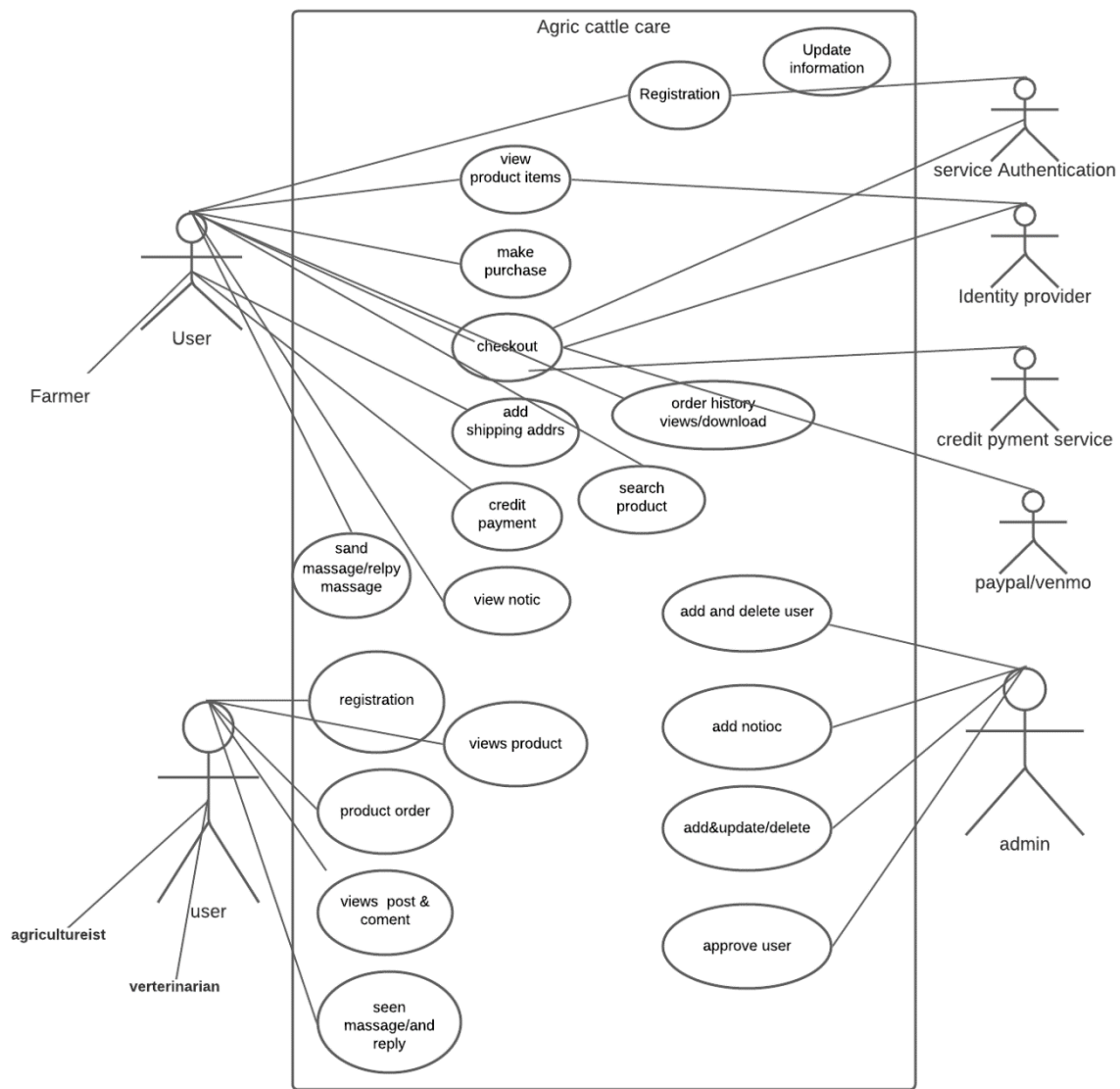


Figure 7:use case diagram(agro cattle care)

8.2full system Activity diagram:

farmer:

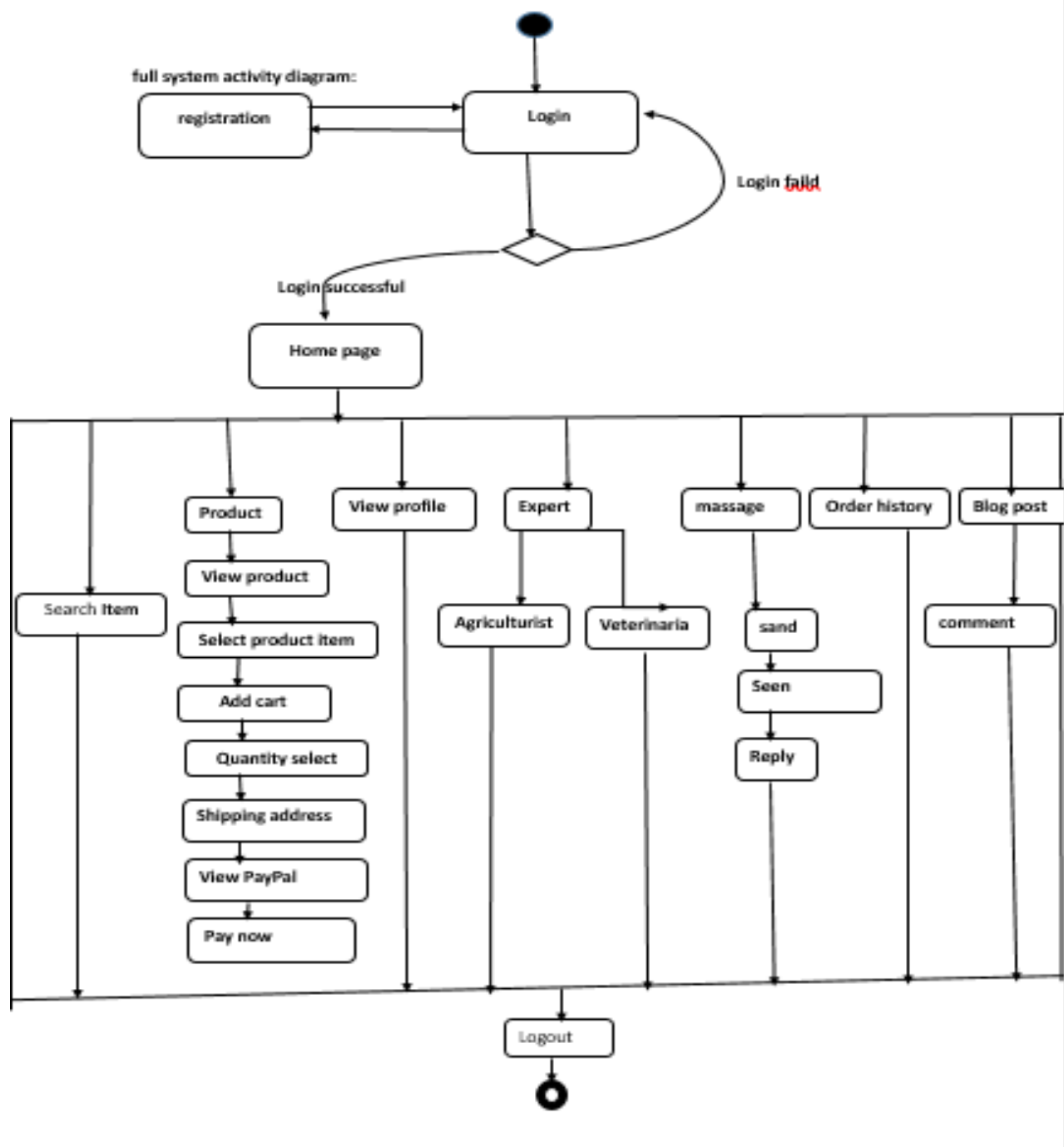


Figure 8:activity diagram (farmer)

8.2.1 Full system activity diagram: Agriculturist & veterinaries

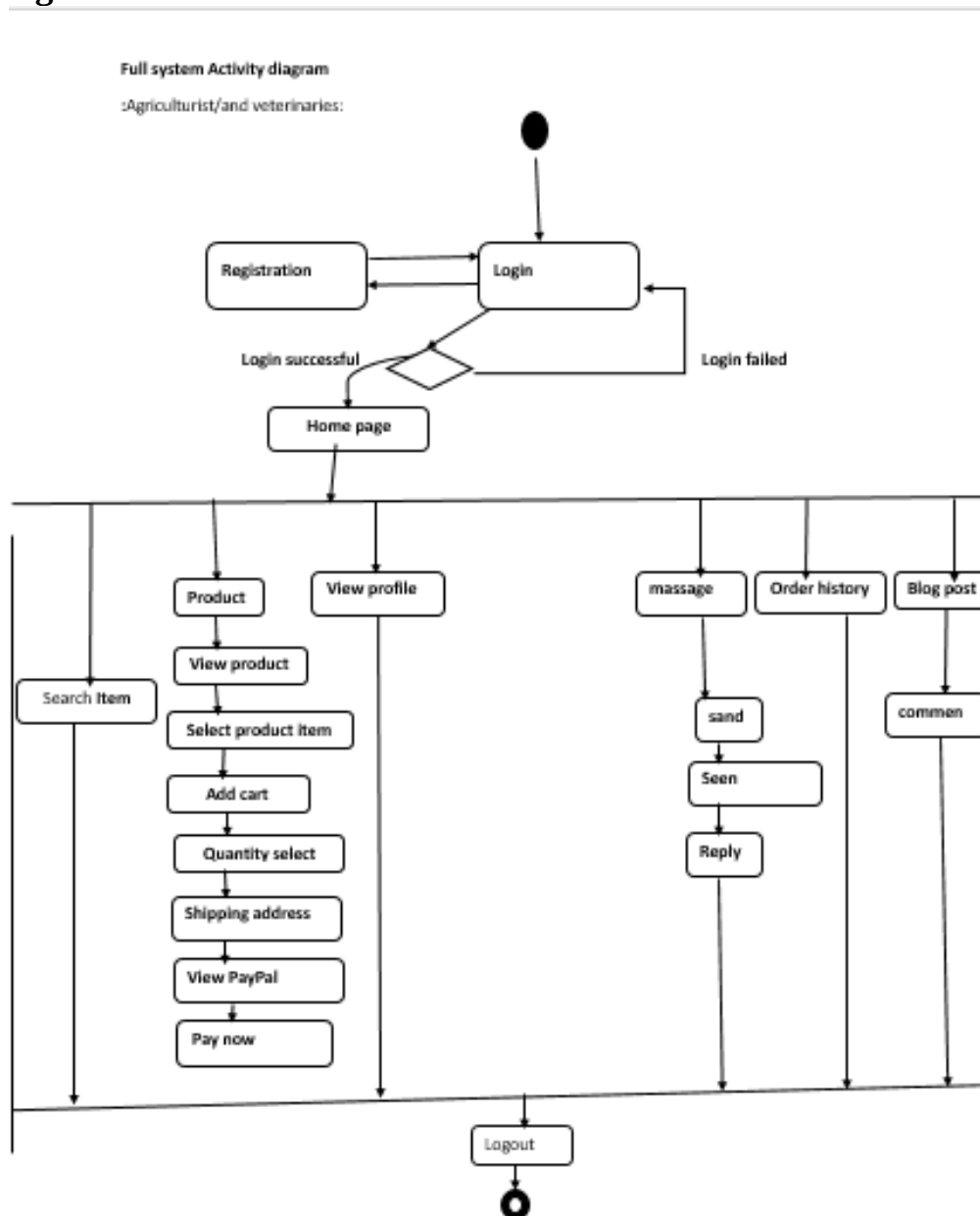


Figure 9:activity diagram (Agriculturist & veterinaries)

8.2.2Admin:

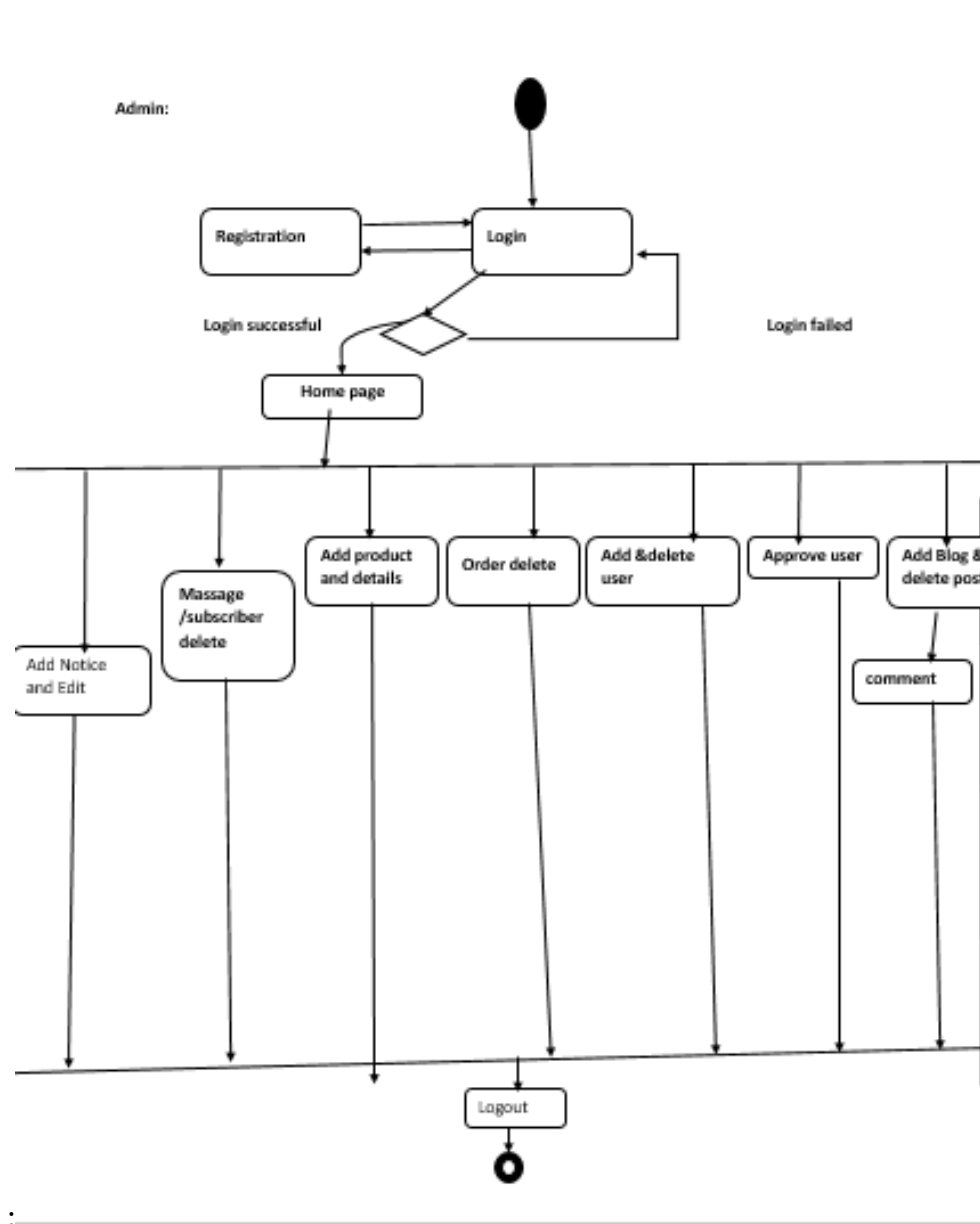


Figure 10:Activity diagram: Admin.

CHAPTER 9 – ENGINEERING**Use Case Diagram****ERD Diagram****Class Diagram****Sequence Diagram****Component Diagram****Deployment Diagram**

9.1 Use case diagram: User

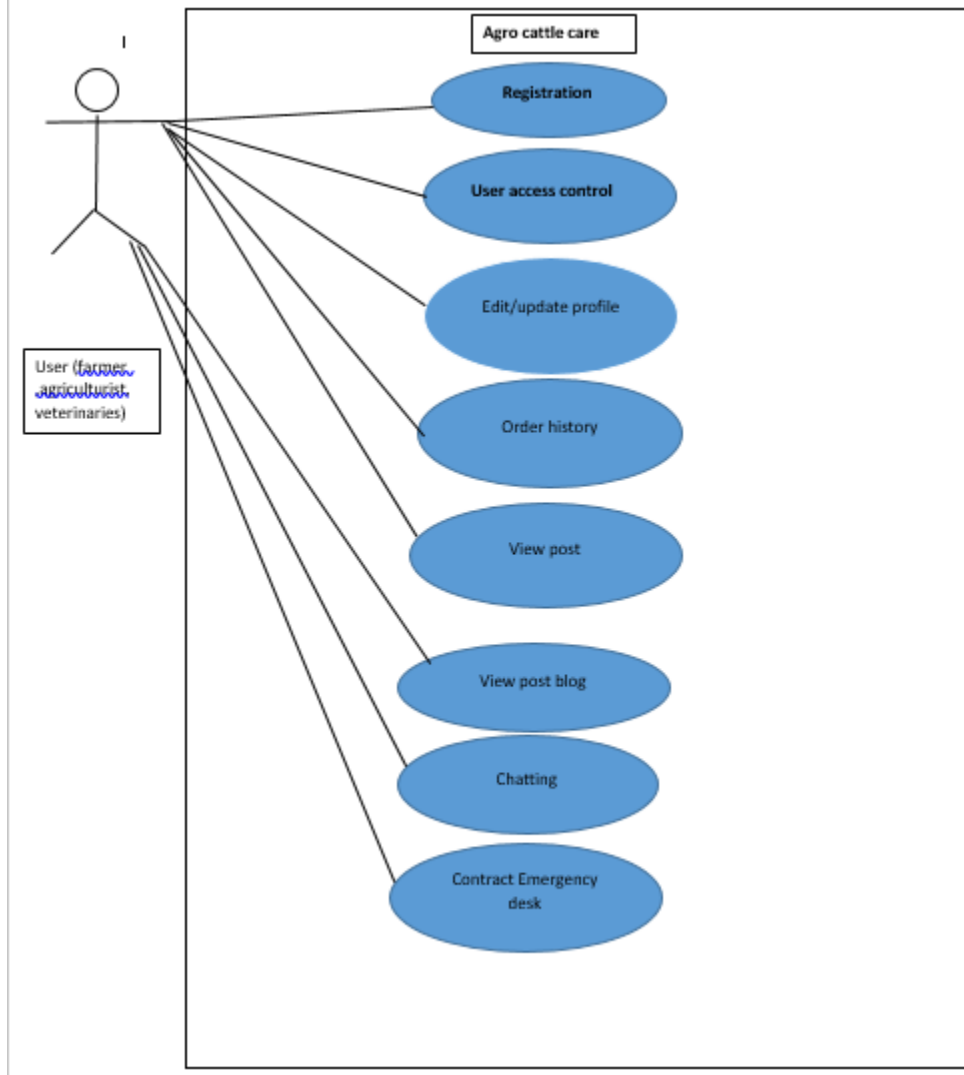


Figure 11:use case (user)

9.1.1Admin:

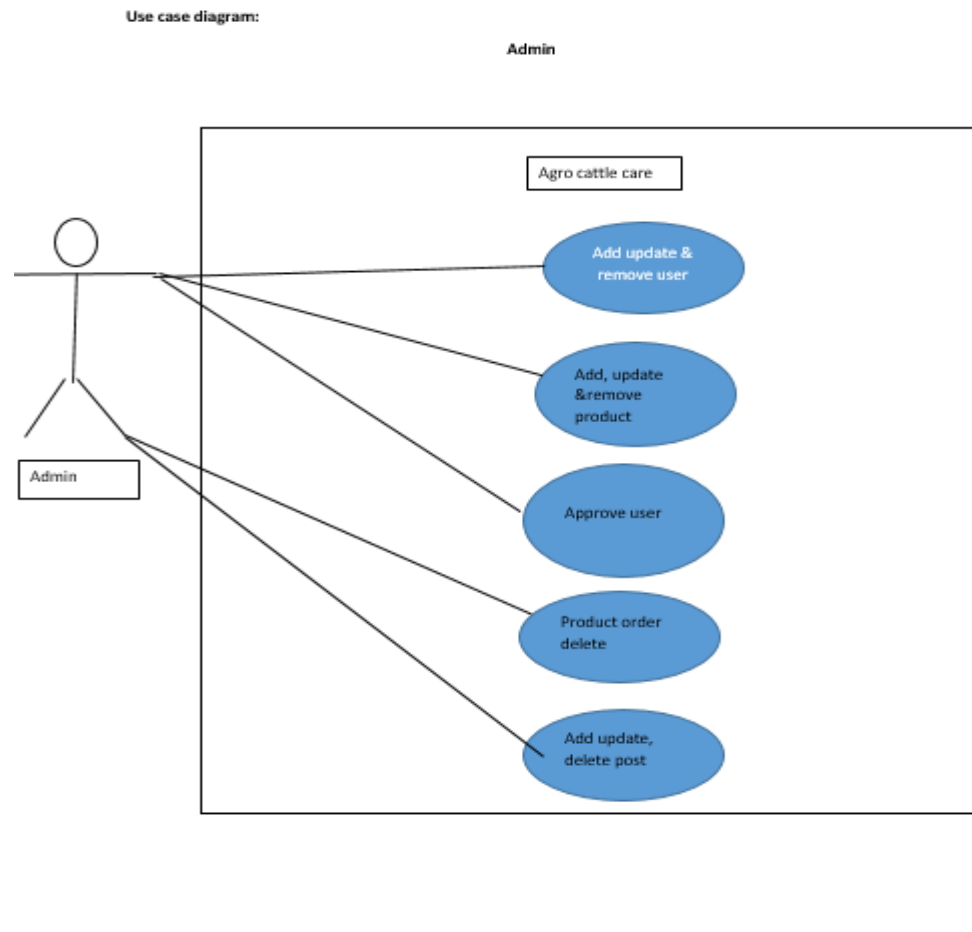


Figure 12:use case (Admin)

9.2ERD diagram :

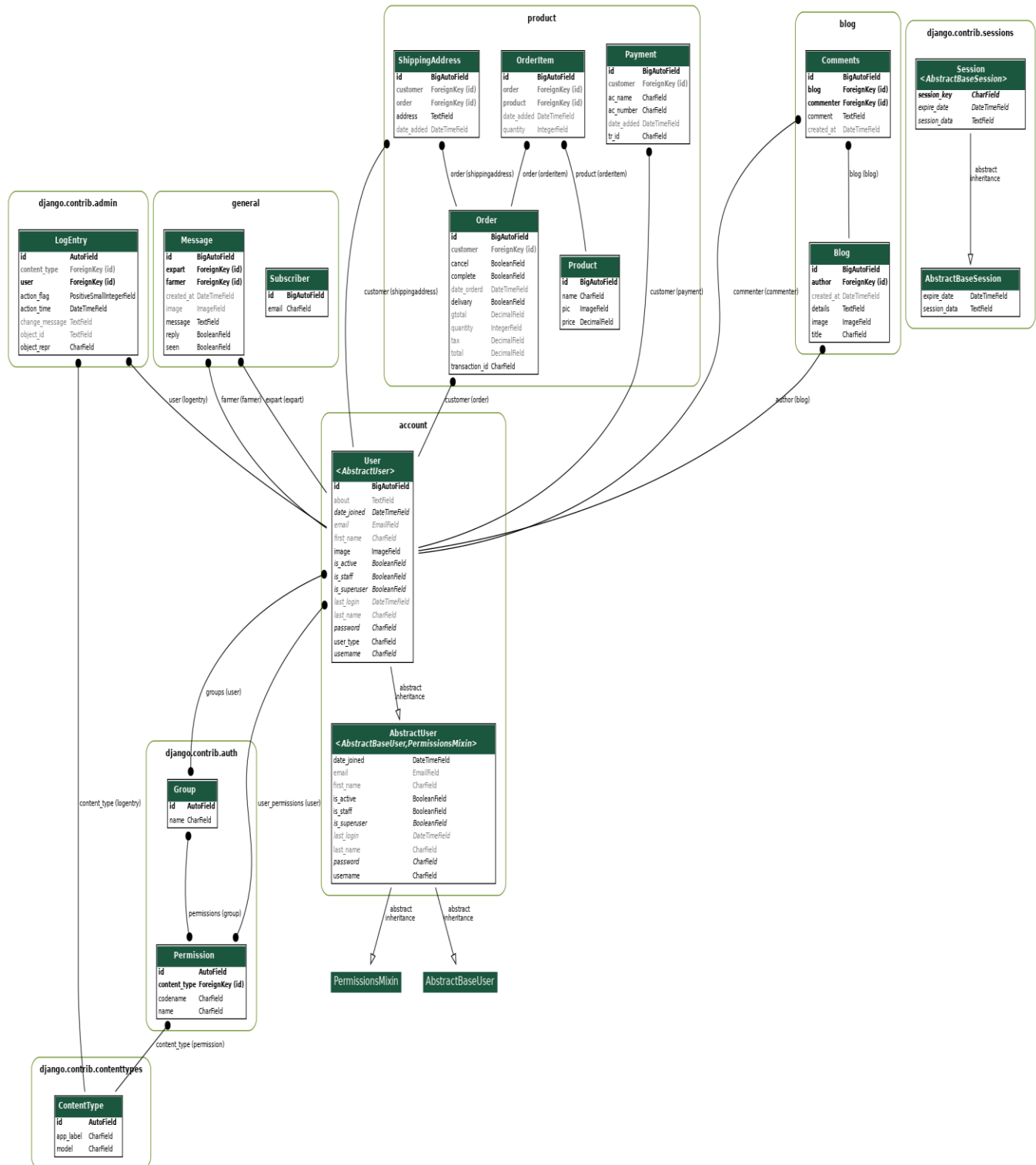


Figure 13: ERD diagram

9.3 Class diagram:

Visual Paradigm Online Free Edition

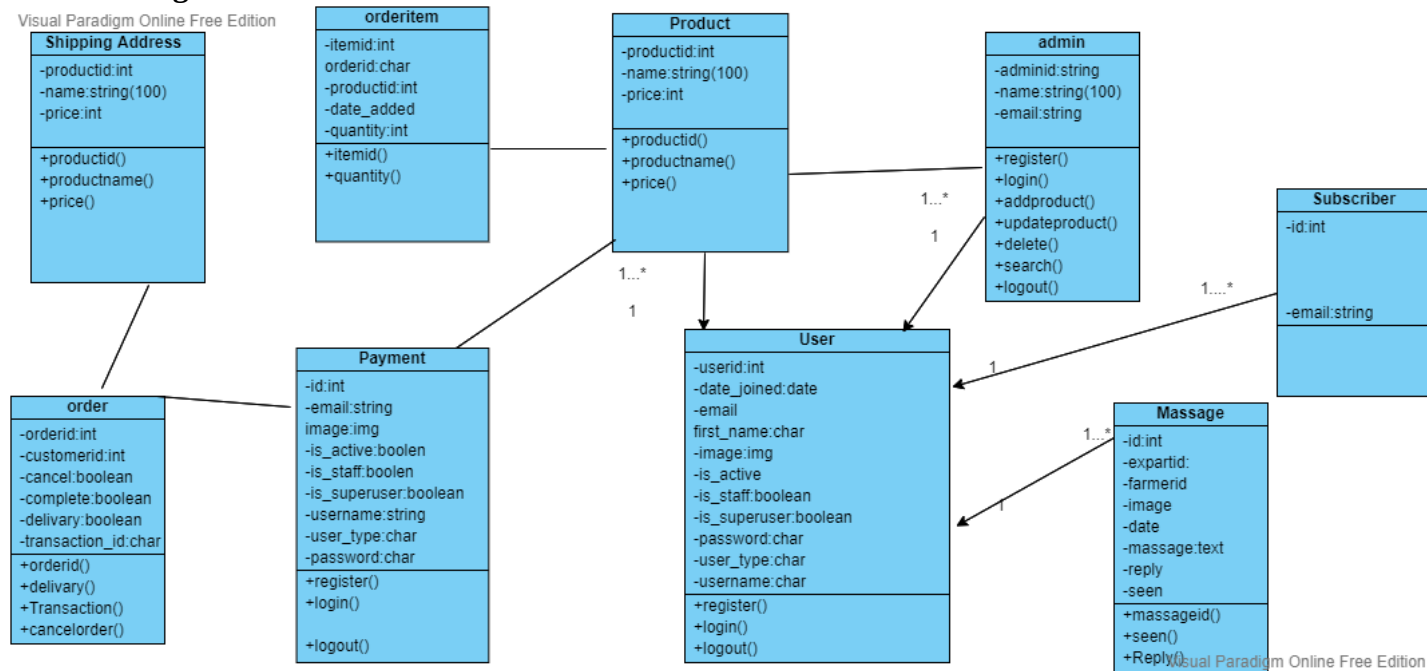


Figure 14: class diagram

9.4 Sequence diagram:

SD User control:

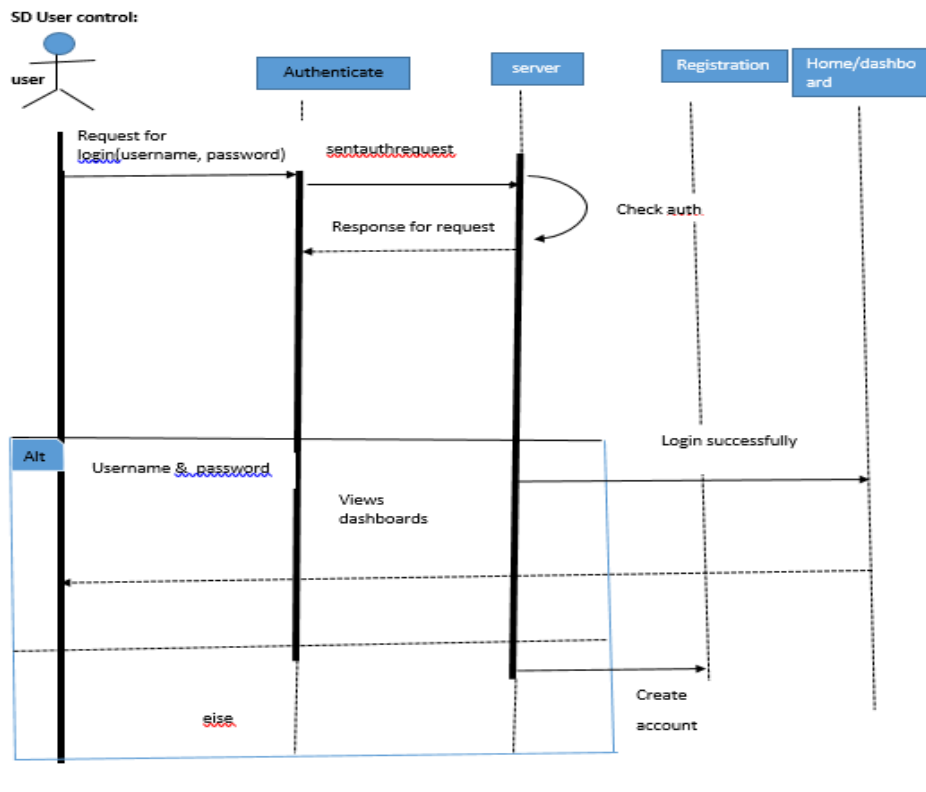


Figure 15:SD User control

9.4.1SD registration:

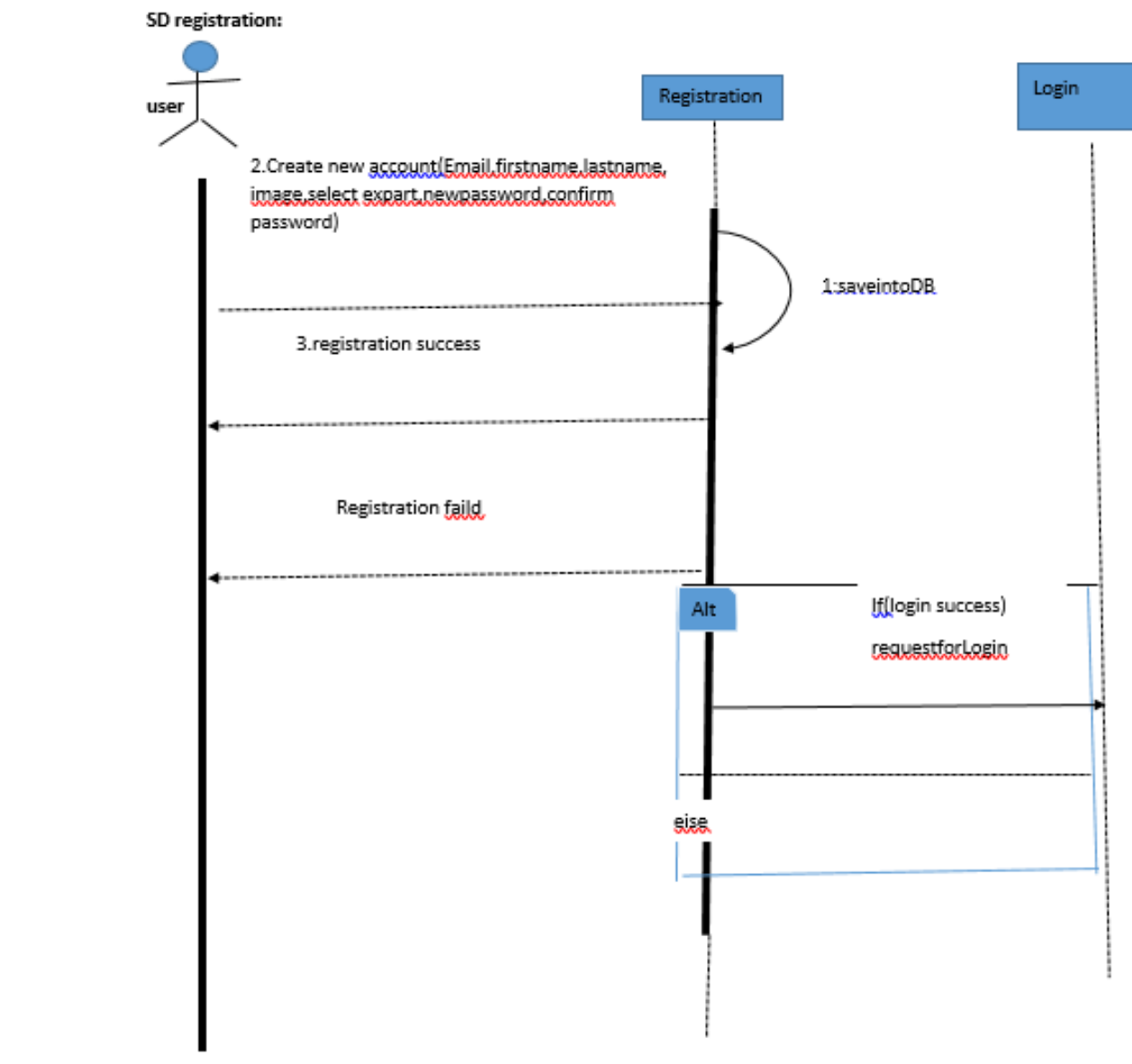


Figure 16:SD registration

9.4.2SD update information:

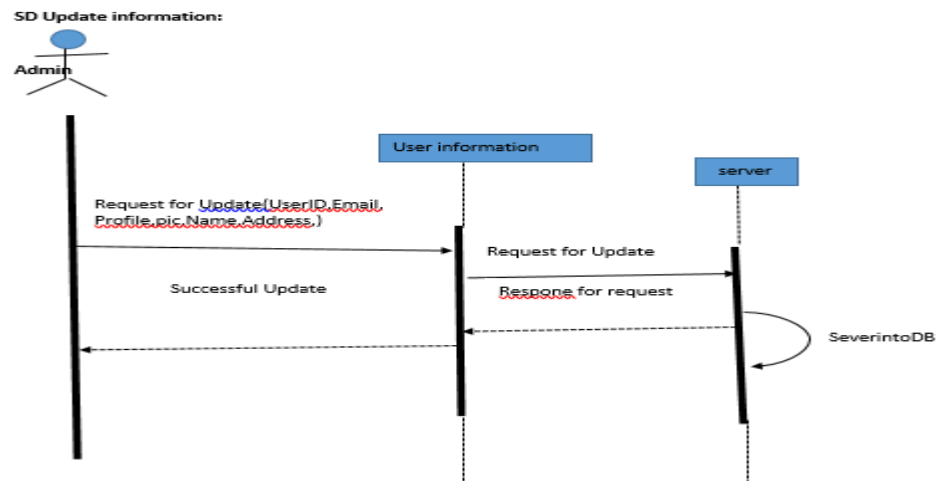


Figure 17:update information

9.4.3Sd result input and Update :

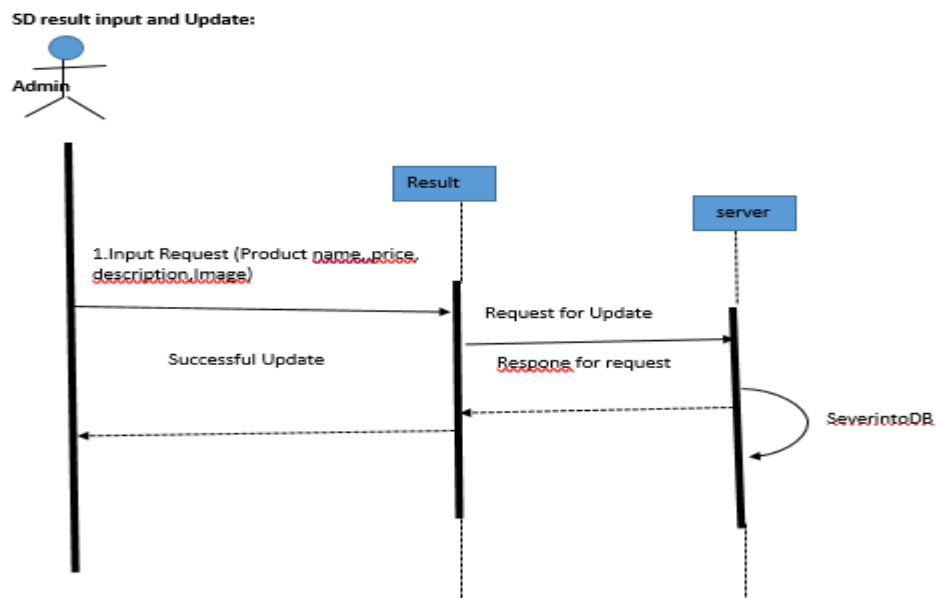


Figure 18 :SD result input and Update.

9.4.4SD add blog:

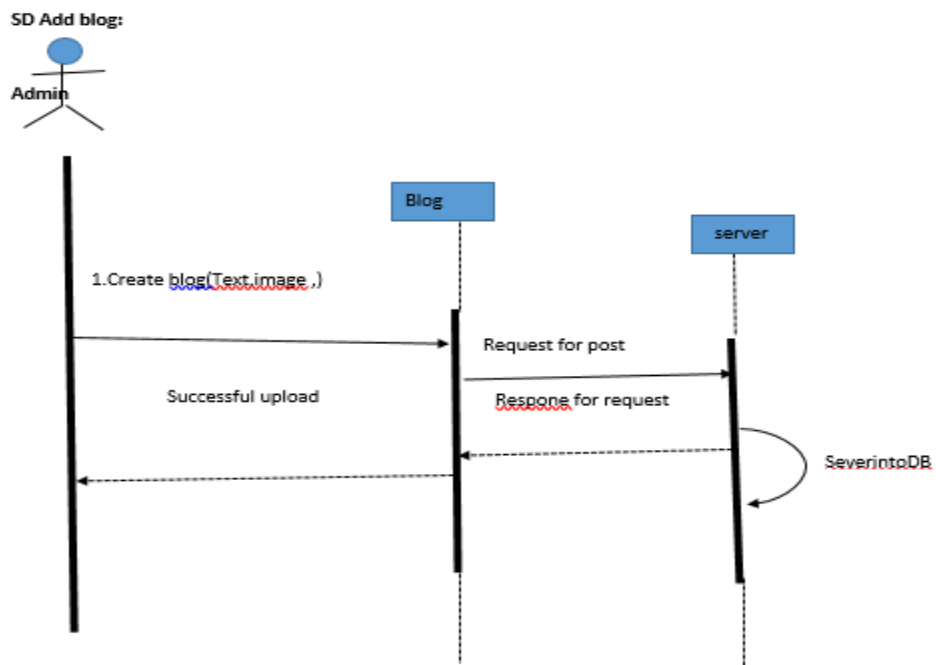


Figure 19: Add blog(admin)

9.4.5SD message:

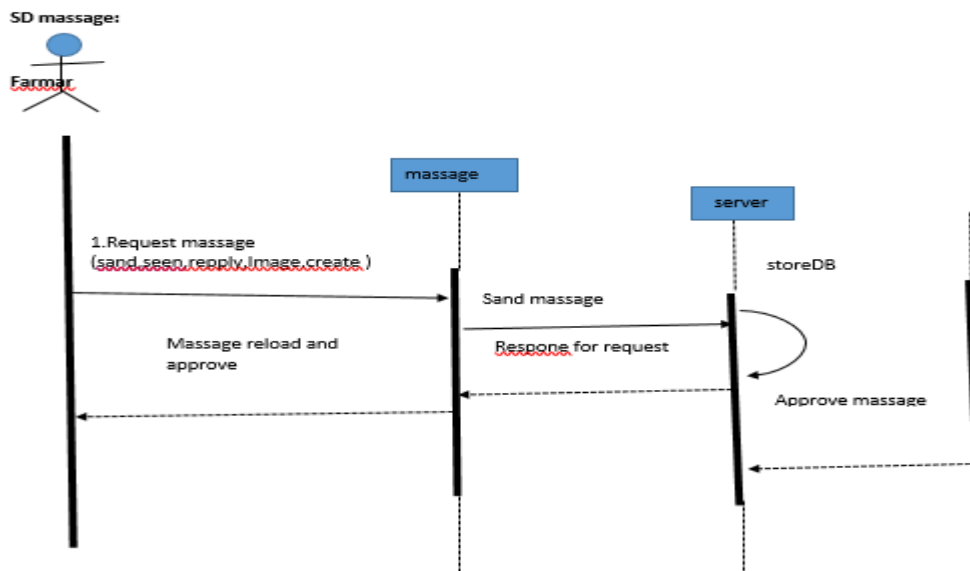


Figure 20: SD message

9.4.6SD approve User:

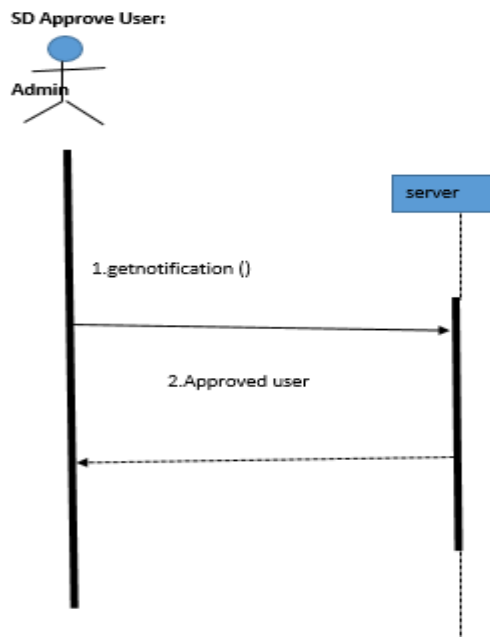


Figure 21:SD approve user

9.4.6SD delete user :

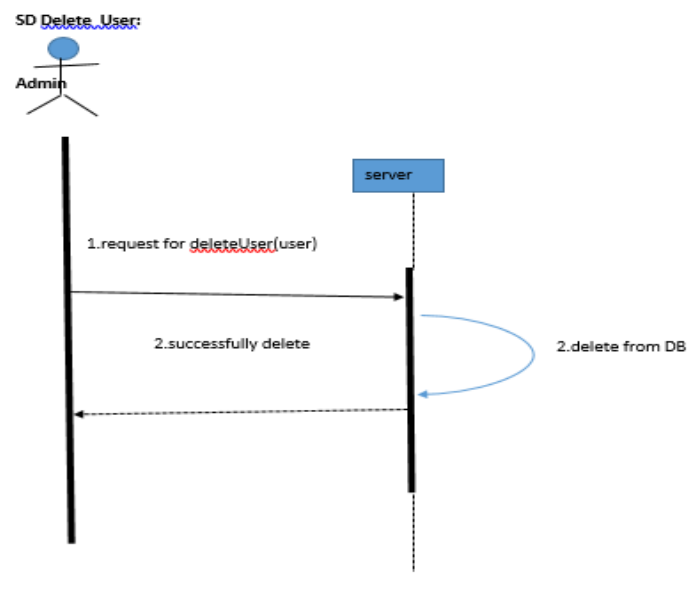


Figure 22: SD Delete User.

9.5 Component diagram:

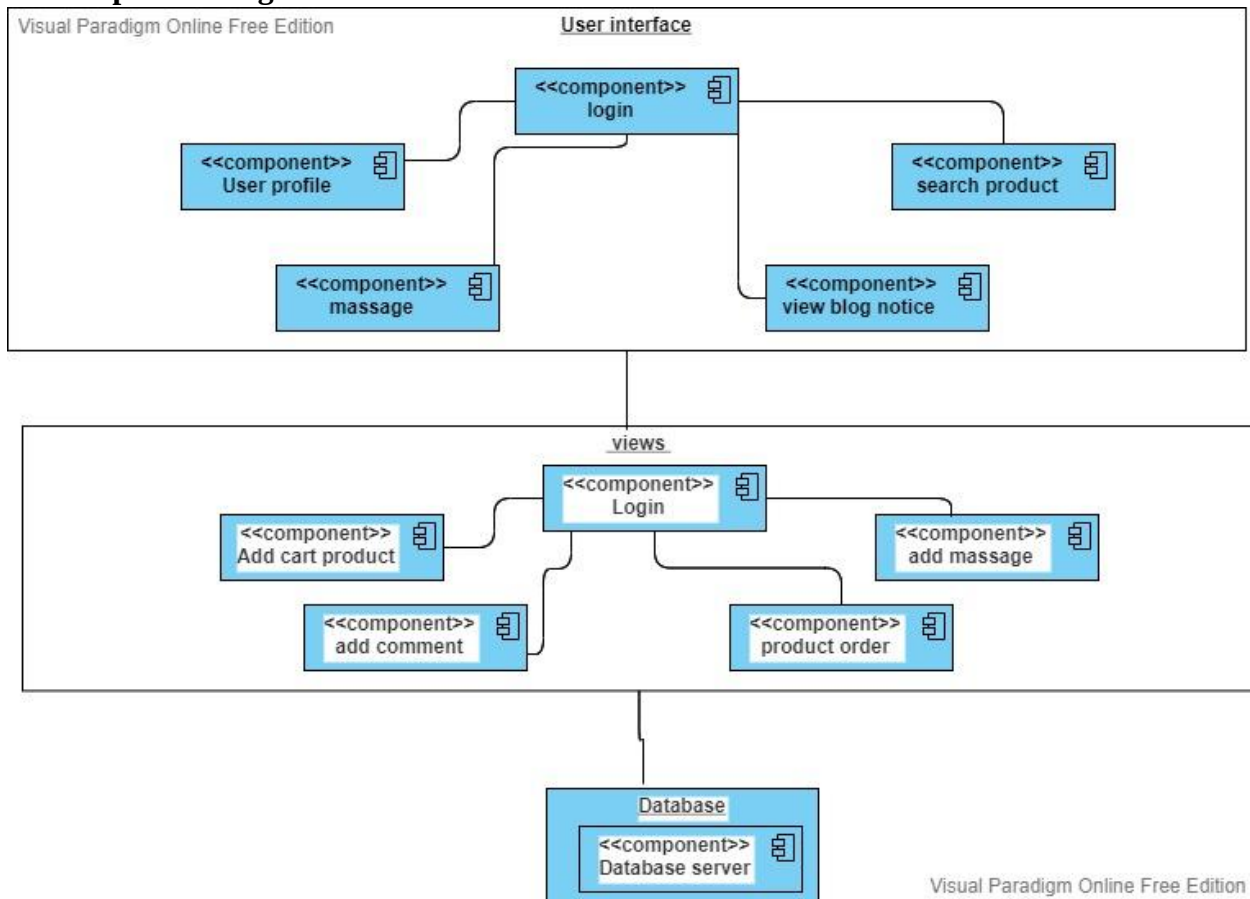


Figure 23: Component Diagram

9.6 Deployment Diagram:

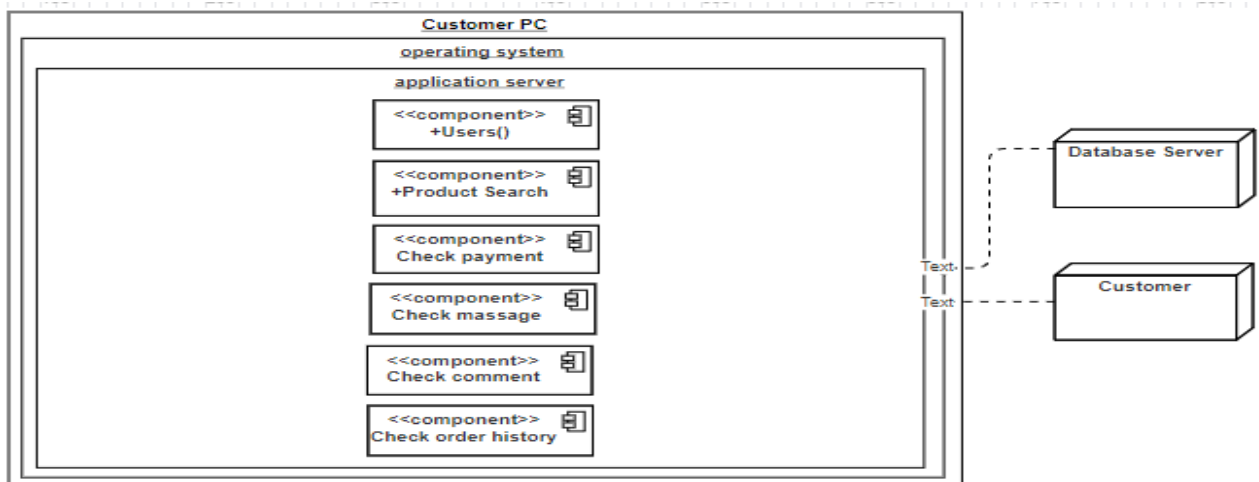
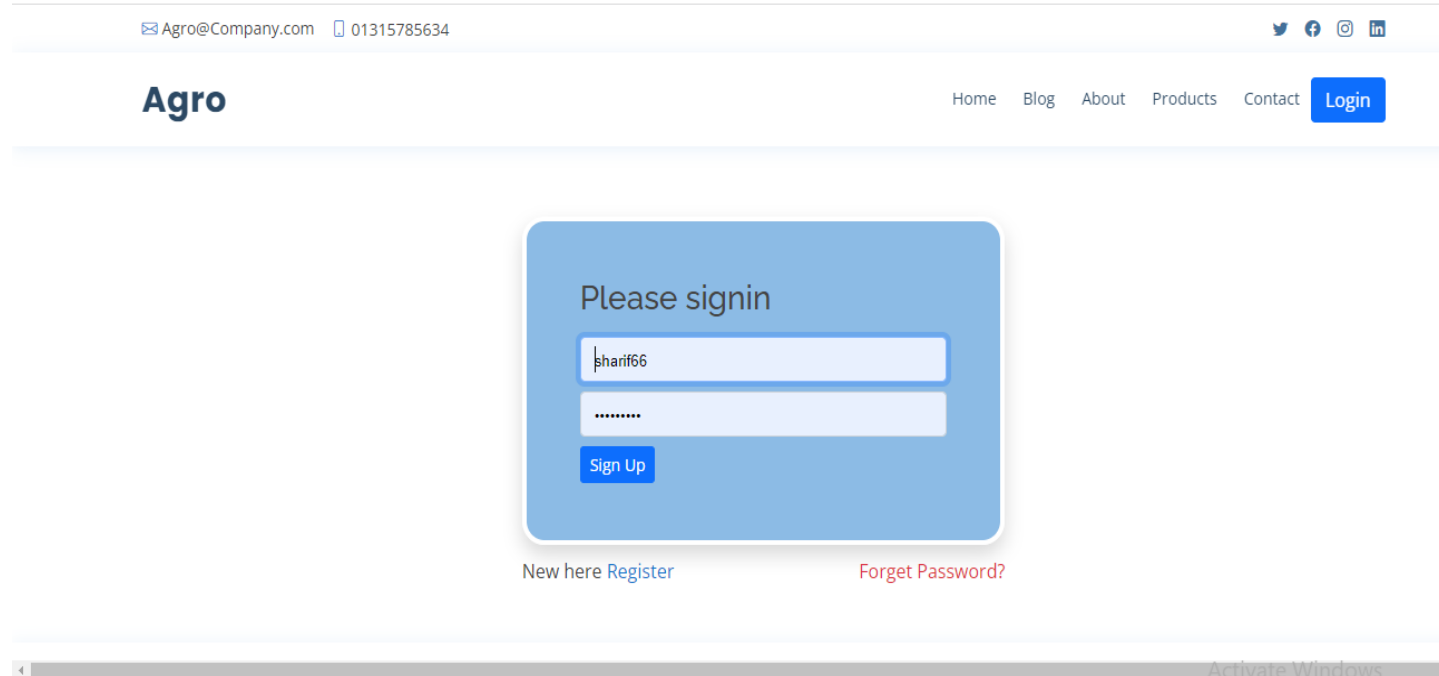


Figure 24:Deployment diagram.

Interface design:

Interface design is a process that explains how a system works step by step user or buyer. We will now look at the system interface design as follows:

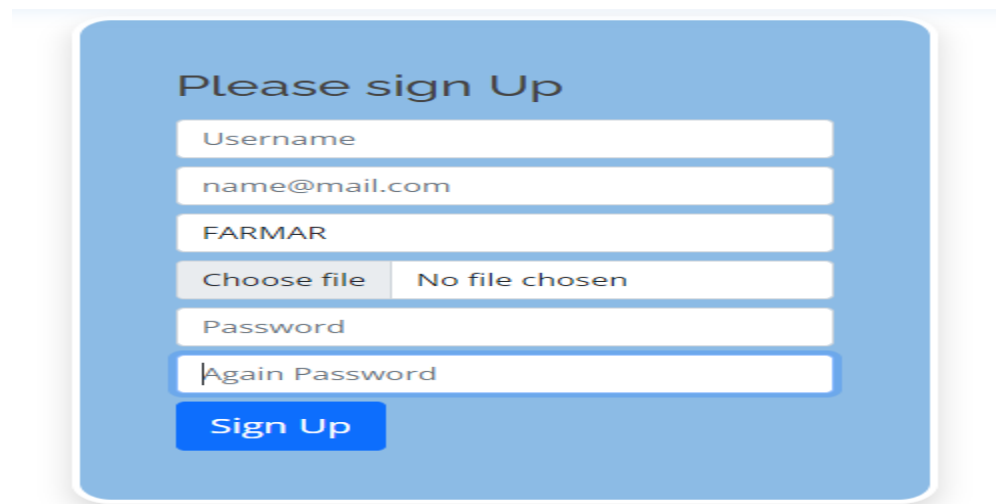
User login:



The image shows a user login interface for a website named "Agro". At the top, there is a header with contact information: "Agro@Company.com" and "01315785634", along with social media icons for Twitter, Facebook, Instagram, and LinkedIn. The main navigation bar includes links for "Home", "Blog", "About", "Products", "Contact", and a "Login" button. The login form itself is a light blue box with the title "Please signin". It contains two input fields: one for the username (with "sharif66" entered) and one for the password (with "*****" entered). Below the password field is a blue "Sign Up" button. At the bottom of the form, there are two links: "New here Register" and "Forget Password?".

Figure 25: UserLogin

Registration:



The image shows a user registration interface for a website named "Agro". It features a light blue box with the title "Please sign Up". The form includes several input fields: "Username" (with "name@mail.com" entered), "Email" (with "name@mail.com" entered), "Phone Number" (with "FARMAR" entered), "Choose file" (with "No file chosen" displayed), "Password", and "Again Password". A blue "Sign Up" button is located at the bottom of the form.

Figure 26:User Registration

User home page:

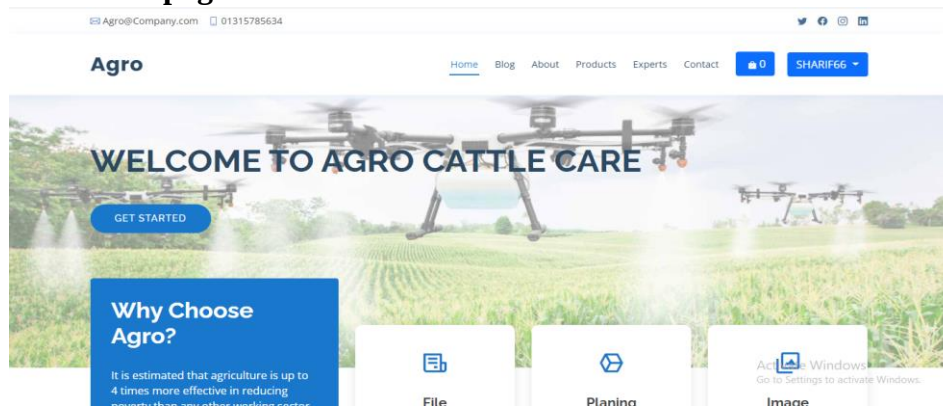


Figure 27: home page.

CHAPTER 10 – DEVELOPMENT**Code Module Coding Samples****Problem Breakdown Possibly****Prioritization while Developing**

10.1Code Module Coding Samples:

Home page

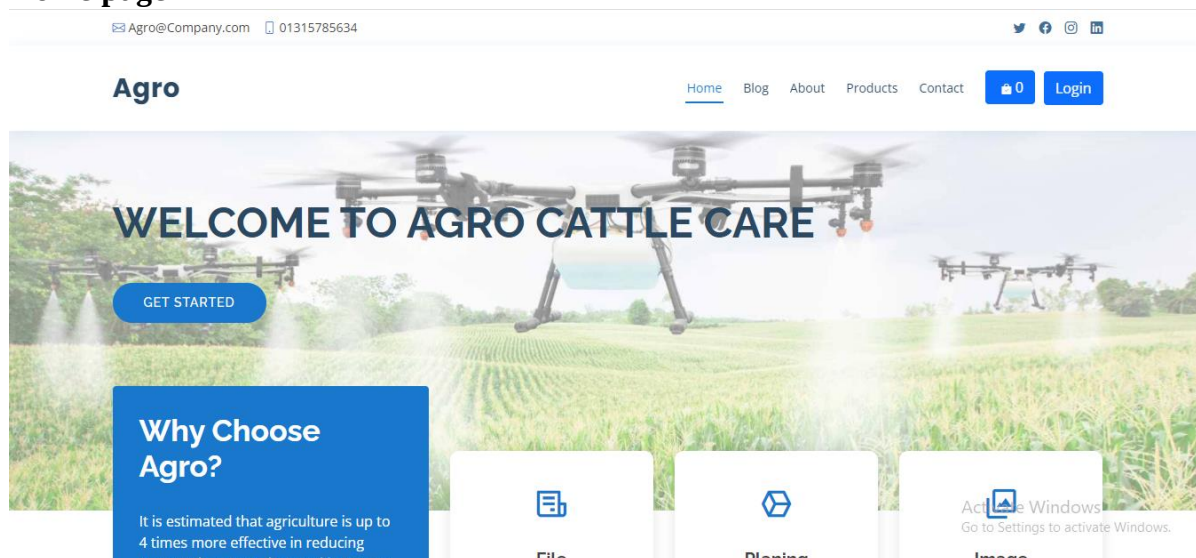


Figure 28:Home page

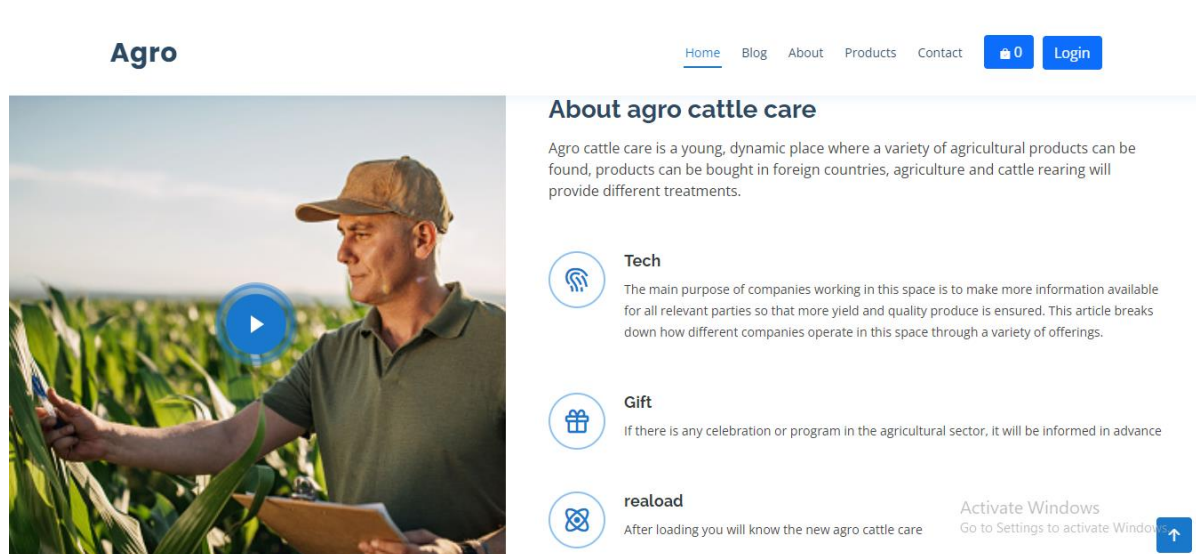


Figure 29: Home page-2

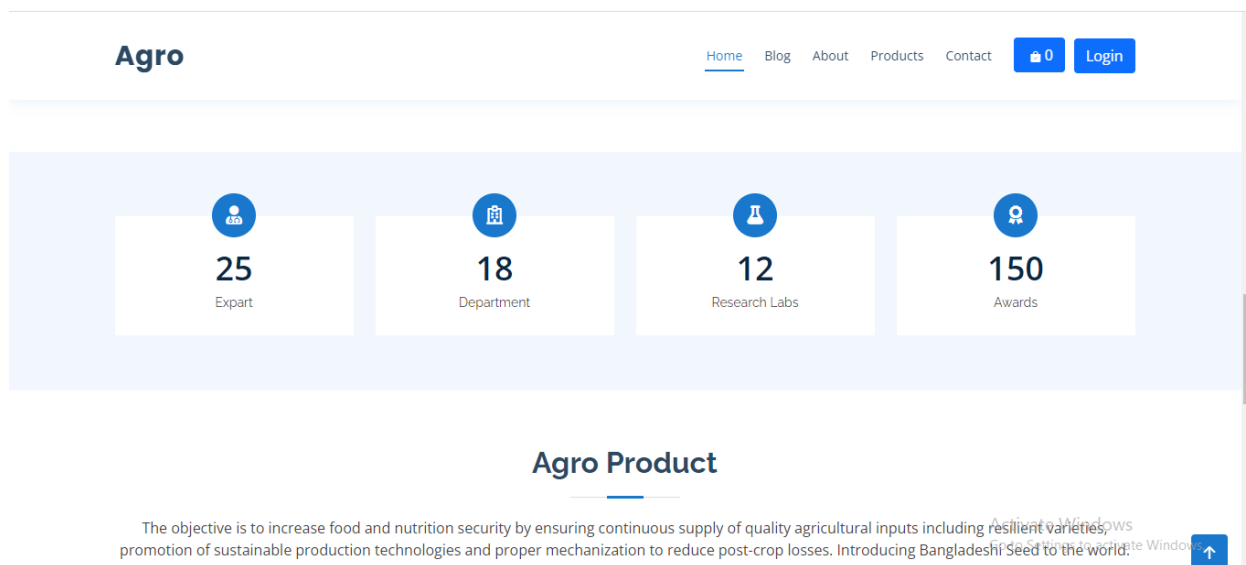


Figure 30: Home page-3

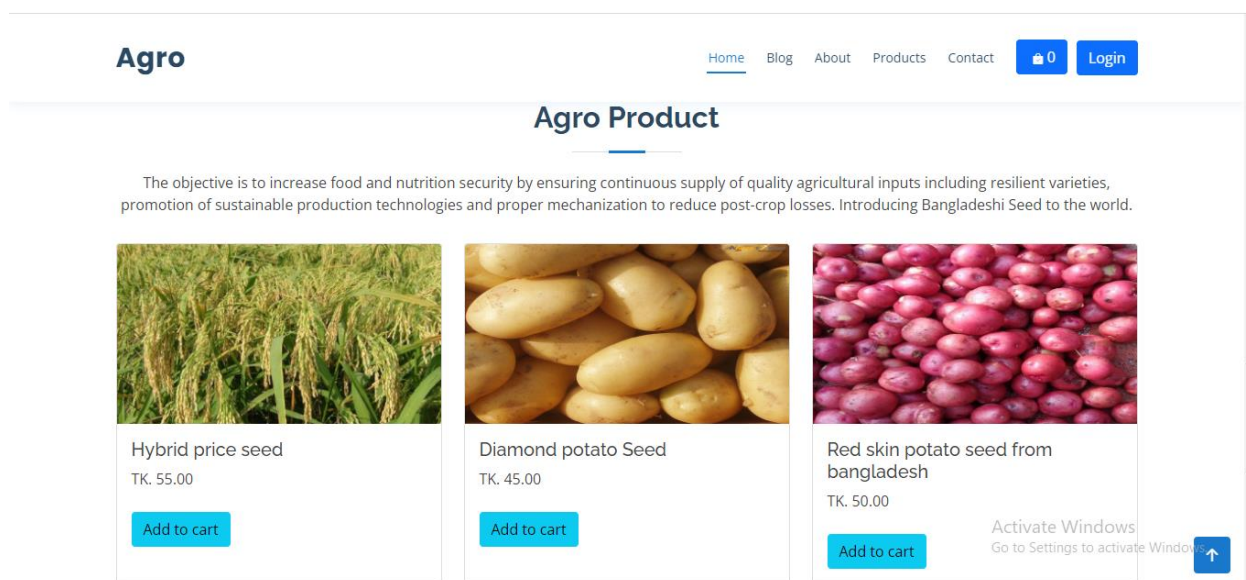


Figure 31: Home page-4

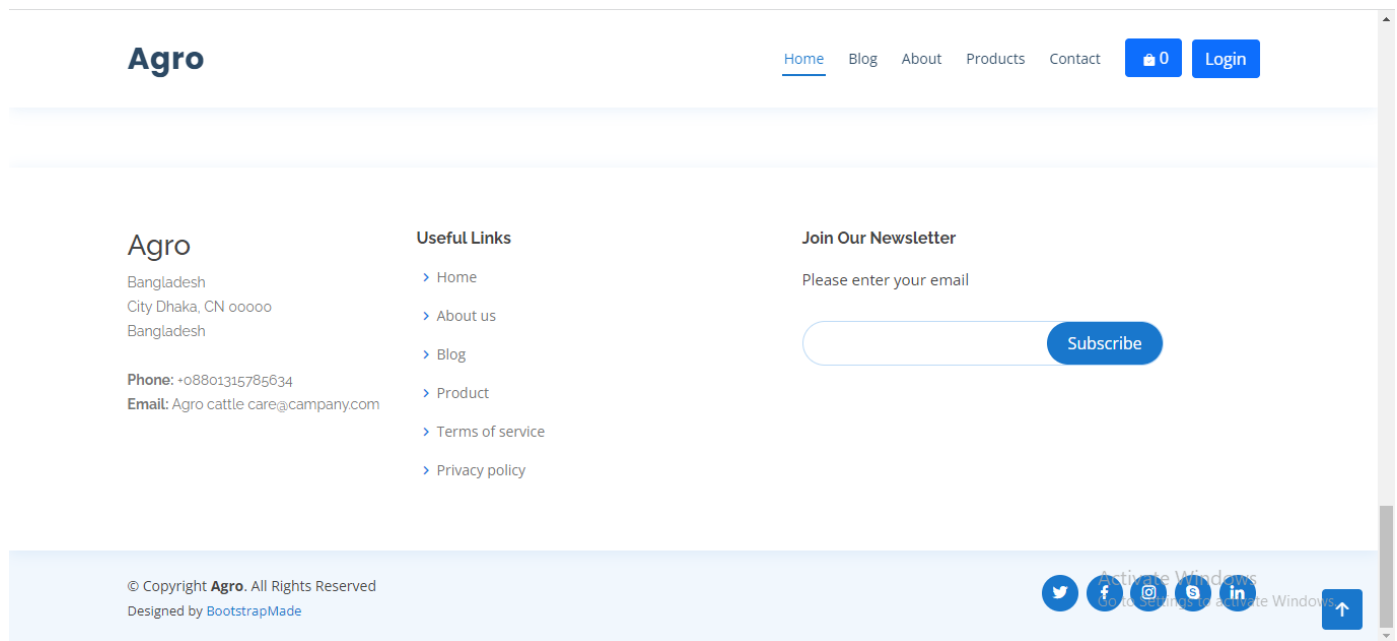


Figure 32: Home page(footer)-5

10.2 Coding of the Home page

Hader:

```

OPEN EDITORS
  x < base.html templa...
  v 191-16...
  > general
  > main
  > media
  > product
  > sent_emails
  > static
  v templates
    > blog
    > cart
    > registration
    < about.html
    < agriculturerist.html
    < base.html
    < contact.html
    < index.html
    < message_list.html
    < message_reply.html

templates > base.html
1  {% load static %}
2  <!DOCTYPE html>
3  <html lang="en">
4
5  <head>
6    <meta charset="utf-8">
7    <meta content="width=device-width, initial-scale=1.0" name="viewport">
8
9    <title>
10     {% block title %}
11     Agro
12     {% endblock title %}
13   </title>
14   <meta content="" name="description">
15   <meta content="" name="keywords">
16
17   <!-- Favicons -->
18   <link href="{% static 'assets/img/favicon.png' %}" rel="icon">
19   <link href="{% static 'assets/img/apple-touch-icon.png' %}" rel="apple-touch-icon">
20
21   <!-- Google Fonts -->
22   <link

```

Figure 33:Hader code(home page)

```

21 <!-- Google Fonts -->
22 <link
23   href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i"
24   rel="stylesheet">
25
26 <!-- Vendor CSS Files -->
27 <link href="{% static 'assets/vendor/animate.css/animate.min.css' %}" rel="stylesheet">
28 <link href="{% static 'assets/vendor/bootstrap/css/bootstrap.min.css' %}" rel="stylesheet">
29 <link href="{% static 'assets/vendor/bootstrap-icons/bootstrap-icons.css' %}" rel="stylesheet">
30 <link href="{% static 'assets/vendor/boxicons/css/boxicons.min.css' %}" rel="stylesheet">
31 <link href="{% static 'assets/vendor/fontawesome-free/css/all.min.css' %}" rel="stylesheet">
32 <link href="{% static 'assets/vendor/glightbox/css/glightbox.min.css' %}" rel="stylesheet">
33 <link href="{% static 'assets/vendor/remixicon/remixicon.css' %}" rel="stylesheet">
34 <link href="{% static 'assets/vendor/swiper/swiper-bundle.min.css' %}" rel="stylesheet">
35
36 <!-- Template Main CSS File -->
37 <link href="{% static 'assets/css/style.css' %}" rel="stylesheet">
38 {% block style %}
39
40 {% endblock style %}
41
42

```

Figure 34:Header code(home page)

```

50 <script>
51   var user = '{{request.user}}'
52   function getTokn(name) {
53     let cookieValue = null;
54     if (document.cookie && document.cookie !== '') {
55       const cookies = document.cookie.split(';');
56       for (let i = 0; i < cookies.length; i++) {
57         const cookie = cookies[i].trim();
58         // Does this cookie string begin with the name we want?
59         if (cookie.substring(0, name.length + 1) === (name + '=')) {
60           cookieValue = decodeURIComponent(cookie.substring(name.length + 1));
61           break;
62         }
63       }
64     }
65     return cookieValue;
66   }
67   const csrftoken = getTokn('csrftoken');
68 </script>
69
70 </head>
71

```

Figure 35Header code(home page)

```

73
74
75 <!-- ===== Top Bar ===== -->
76 <div id="topbar" class="d-flex align-items-center fixed-top">
77     <div class="container d-flex justify-content-between">
78         <i class="bi bi-envelope"></i> <a href="mailto:contact@example.com">Agro@Company.
79         <i class="bi bi-phone"></i> 01315785634
80     </div>
81     <div class="d-none d-lg-flex social-links align-items-center">
82         <a href="#" class="twitter"><i class="bi bi-twitter"></i></a>
83         <a href="#" class="facebook"><i class="bi bi-facebook"></i></a>
84         <a href="#" class="instagram"><i class="bi bi-instagram"></i></a>
85         <a href="#" class="linkedin"><i class="bi bi-linkedin"></i></a>
86     </div>
87 </div>
88 </div>
89
90 <!-- ===== Header ===== -->
91 <header id="header" class="fixed-top">
92     <div class="container d-flex align-items-center">
93
94         <h1 class="logo me-auto"><a href="{% url 'home' %}">Agro</a></h1>
95         <!-- Uncomment below if you prefer to use an image logo -->
96         <!-- <a href="index.html" class="logo me-auto">

```

Figure 36: Header code (home page)

```

89
90 <!-- ===== Header ===== -->
91 <header id="header" class="fixed-top">
92     <div class="container d-flex align-items-center">
93
94         <h1 class="logo me-auto"><a href="{% url 'home' %}">Agro</a></h1>
95         <!-- Uncomment below if you prefer to use an image logo -->
96         <!-- <a href="index.html" class="logo me-auto">
99         <ul>
100             {% url 'home' as url %}
101
102             <li><a class="nav-link scrollto {% if request.path == url %} active {% endif %}"
103                 href="{% url 'home' %}">Home</a></li>
104             {% url 'viewBlog' as url %}
105             <li><a class="nav-link scrollto {% if request.path == url %} active {% endif %}"
106                 href="{% url 'viewBlog' %}">Blog</a></li>
107             {% url 'about' as url %}
108             <li><a class="nav-link scrollto {% if request.path == url %} active {% endif %}"
109                 href="{% url 'about' %}">About</a></li>
110             {% url 'products' as url %}
111             <li><a class="nav-link scrollto {% if request.path == url %} active {% endif %}"
112                 href="{% url 'products' %}">Products</a></li>
113             {% if user.user_type == 'FARMAR' %}
114

```

Figure 37: Header code (home page)


```

174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
<li>
  <hr class="dropdown-divider">
</li>
<li><a class="dropdown-item" href="{% url 'profile' %}">Profile</a></li>
<li><a class="dropdown-item" href="{% url 'logout' %}">Logout</a></li>
</ul>
</div>

{% else %}
{% url 'product' as url %}

<a class="btn btn-primary {% if request.path == url %} active {% endif %} ms-2"
  href="{% url 'login' %}">Login
</a>

{% endif %}
</div>

</div>
</header><!-- End Header -->

```

Figure 40:Header code(home page)

Body:

```

1  {% extends 'base.html' %}
2  {% load static %}
3  {% block content %}
4
5  <!-- ===== Hero Section ===== -->
6  <section id="hero" class="d-flex align-items-center">
7    <div class="container">
8      <h1>Welcome to Agro Cattle Care</h1>
9      <h2></h2>
10     <a href="#about" class="btn-get-started scrollto">Get Started</a>
11   </div>
12 </section><!-- End Hero -->
13
14
15 <section id="why-us" class="why-us">
16   <div class="container">
17     <div class="row">
18       <div class="col-lg-4 d-flex align-items-stretch">
19         <div class="content">
20           <h3>Why Choose Agro?</h3>
21           <p>It is estimated that agriculture is up to 4 times more effective in reduci
22           </p>
23         <div class="text-center">
24           <a href="#" class="more-btn">Learn More <i class="bx bx-arrow-right">
25

```

Figure 41: body code(home page)

```

26         </div>
27     </div>
28 </div>
29 <div class="col-lg-8 d-flex align-items-stretch">
30     <div class="icon-boxes d-flex flex-column justify-content-center">
31         <div class="row">
32             <div class="col-xl-4 d-flex align-items-stretch">
33                 <div class="icon-box mt-4 mt-xl-0">
34                     <i class="bx bx-receipt"></i>
35                     <h4>File</h4>
36                     <p>All users will be able to see all the notices of Agro Cattle C
37                 </div>
38             </div>
39             <div class="col-xl-4 d-flex align-items-stretch">
40                 <div class="icon-box mt-4 mt-xl-0">
41                     <i class="bx bx-cube-alt"></i>
42                     <h4>Planing</h4>
43                     <p>Agro will now be able to see what is being planned. And learn
44                 </div>
45             </div>
46             <div class="col-xl-4 d-flex align-items-stretch">
47                 <div class="icon-box mt-4 mt-xl-0">
48                     <i class="bx bx-images"></i>
49                     <h4>Image</h4>
50                 </div>
51             </div>

```

Figure 42: body code(home page)

```

51         <h4>Image</h4>
52         <p>You can see the Agro Cattle Care image</p>
53     </div>
54 </div>
55 </div>
56 </div><!-- End .content-->
57 </div>
58 </div>
59 </div>
60 </div>
61 </section>
62 <section id="about" class="about">
63     <div class="container-fluid">
64         <div class="row">
65             <div class="col-xl-5 col-lg-6 video-box d-flex justify-content-center align-items-stre
66                 <a href="https://www.youtube.com/watch?v=HIwYbmYoXyI" class="lightbox play-btn m
67             </div>
68             <div class="col-xl-7 col-lg-6 icon-boxes d-flex flex-column align-items-stretch justif
69                 <h3>About agro cattle care </h3>
70                 <p>Agro cattle care is a young, dynamic place where a variety of agricultural pro
71             </div>
72         </div>
73     </div>
74 </section>
75 </div>
76 </div>

```

Figure 43: body code(home page)

```

77 </div>
78 <div class="icon-box">
79   <div class="icon"><i class="bx bx-fingerprint"></i></div>
80   <h4 class="title"><a href="">Tech </a></h4>
81   <p class="description">The main purpose of companies working in this space is
82     make more information available for all relevant parties so that more yield a
83     quality produce is ensured. This article breaks down how different companies
84   </p>
85 </div>
86 <div class="icon-box">
87   <div class="icon"><i class="bx bx-gift"></i></div>
88   <h4 class="title"><a href="">Gift</a></h4>
89   <p class="description">If there is any celebration or program in the agricult
90     it will be informed in advance</p>
91 </div>
92 <div class="icon-box">
93   <div class="icon"><i class="bx bx-atom"></i></div>
94   <h4 class="title"><a href="">reload</a></h4>
95   <p class="description">After loading you will know the new agro cattle care</
96 </p>
97 </div>
98 </div>
99 </div>
100 </div>
101 </div>
102 </section>

```

Figure 44: body code(home page)

```

105 <section id="counts" class="counts">
106   <div class="container">
107     <div class="row">
108       <div class="col-lg-3 col-md-6">
109         <div class="count-box">
110           <i class="fas fa-user-md"></i>
111           <span data-purecounter-start="0" data-purecounter-end="25" data-purecounter-d
112             class="purecounter">25</span>
113           <p>Expant</p>
114         </div>
115       </div>
116       <div class="col-lg-3 col-md-6 mt-5 mt-md-0">
117         <div class="count-box">
118           <i class="far fa-hospital"></i>
119           <span data-purecounter-start="0" data-purecounter-end="18" data-purecounter-d
120             class="purecounter">18</span>
121           <p>Department</p>
122         </div>
123       </div>
124       <div class="col-lg-3 col-md-6 mt-5 mt-lg-0">
125         <div class="count-box">
126           <i class="fas fa-flask"></i>
127           <span data-purecounter-start="0" data-purecounter-end="12" data-purecounter-d
128             class="purecounter">12</span>
129           <p>Department</p>
130         </div>
131       </div>
132     </div>
133   </div>
134 </section>

```

Figure 45: body code(home page)

```

130     <i class="fas fa-flask"></i>
131     <span data-purecounter-start="0" data-purecounter-end="12" data-purecounter-d
132         class="purecounter">12</span>
133     <p>Research Labs</p>
134 </div>
135 </div>
136
137 <div class="col-lg-3 col-md-6 mt-5 mt-lg-0">
138     <div class="count-box">
139         <i class="fas fa-award"></i>
140         <span data-purecounter-start="0" data-purecounter-end="150" data-purecounter-i
141             class="purecounter">150</span>
142         <p>Awards</p>
143     </div>
144 </div>
145
146 </div>
147
148 </div>
149 </section>
150
151 <section id="services" class="services">
152     <div class="container">
153         <div class="row">
154

```

Figure 46: body code(home page)

```

155 <div class="section-title">
156     <h2>Agro Product</h2>
157     <p>The objective is to increase food and nutrition security by ensuring continuou
158 </div>
159
160
161 {% for product in products %}
162
163 <div class="col-lg-4 col-md-6 d-flex align-items-stretch mb-4">
164     <div class="card">
165         
166         <div class="card-body">
167             <h5 class="card-title">{{product.name}}</h5>
168             <p class="card-text">TK. {{product.price}}</p>
169
170             {% if request.user.is_authenticated %}
171             <button data-product="{{product.id}}" data-action="add"
172                 class="update-cart btn btn-success mt-2">Add
173                 to cart</button>
174             {% else %}
175
176             <a href="{% url 'login' %}" title="Please Login for Add to cart" class="b
177                 to cart</a>
178             {% endif %}

```

Figure 47: body code(home page)

```

templates > index.html
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193

```

Figure 48: body code(home page)

Footer:

```

templates > base.html
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233

```

Figure 49:Footer code(home page)

```

235         <li><i class="bx bx-chevron-right"></i> <a href="{% url 'privacy' %}">Priv
236     </li>
237 </ul>
238 </div>
239
240
241
242     <div class="col-lg-4 col-md-6 footer-newsletter">
243         <h4>Join Our Newsletter</h4>
244         <p>Please enter your email</p>
245         <form action="{% url 'sub' %}" method="post">
246             {% csrf_token %}
247             <input type="email" name="subscriber"><input type="submit" value="Subscrib
248         </form>
249     </div>
250
251 </div>
252 </div>
253 </div>
254
255 <div class="container d-md-flex py-4">
256     <div class="me-md-auto text-center text-md-start">
257         <div class="copyright">
258             &copy; Copyright <strong><span>Agro</span></strong>. All Rights Reserved
259         </div>
260     </div>

```

Figure 50:Footer code(home page):

```

261     <div class="credits">
262         <!-- All the links in the footer should remain intact. -->
263         <!-- You can delete the links only if you purchased the pro version. -->
264         <!-- Licensing information: https://bootstrapmade.com/license/ -->
265         <!-- Purchase the pro version with working PHP/AJAX contact form: https://bootstre
266         Designed by <a href="https://bootstrapmade.com/">BootstrapMade</a>
267     </div>
268
269     <div class="social-links text-center text-md-right pt-3 pt-md-0">
270         <a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
271         <a href="#" class="facebook"><i class="bx bxl-facebook"></i></a>
272         <a href="#" class="instagram"><i class="bx bxl-instagram"></i></a>
273         <a href="#" class="google-plus"><i class="bx bxl-skype"></i></a>
274         <a href="#" class="linkedin"><i class="bx bxl-linkedin"></i></a>
275     </div>
276 </div>
277 </footer><!-- End Footer -->
278
279 <div id="preloader"></div>
280 <a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i
281     class="bi bi-arrow-up-short"></i></a>
282
283 <!-- Vendor JS Files -->
284 <script src="{% static 'assets/vendor/bootstrap/js/bootstrap.bundle.min.js' %}"></script>
285 <script src="{% static 'assets/vendor/glightbox/js/glightbox.min.js' %}"></script>
286 <script src="{% static 'assets/vendor/php-email-form/validate.js' %}"></script>

```

Figure 51:Footer code(home page)

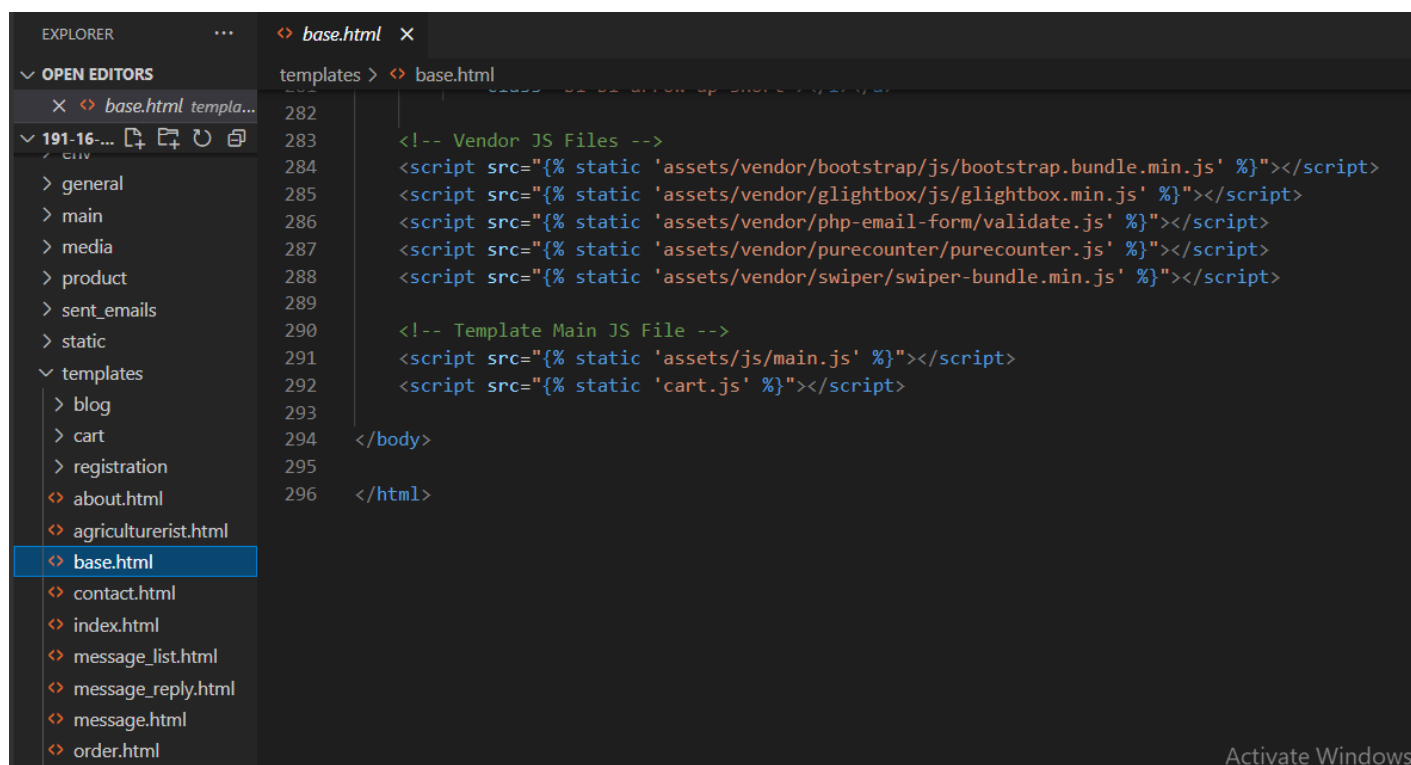


Figure 52:Footer code(home page)

Sign in page :

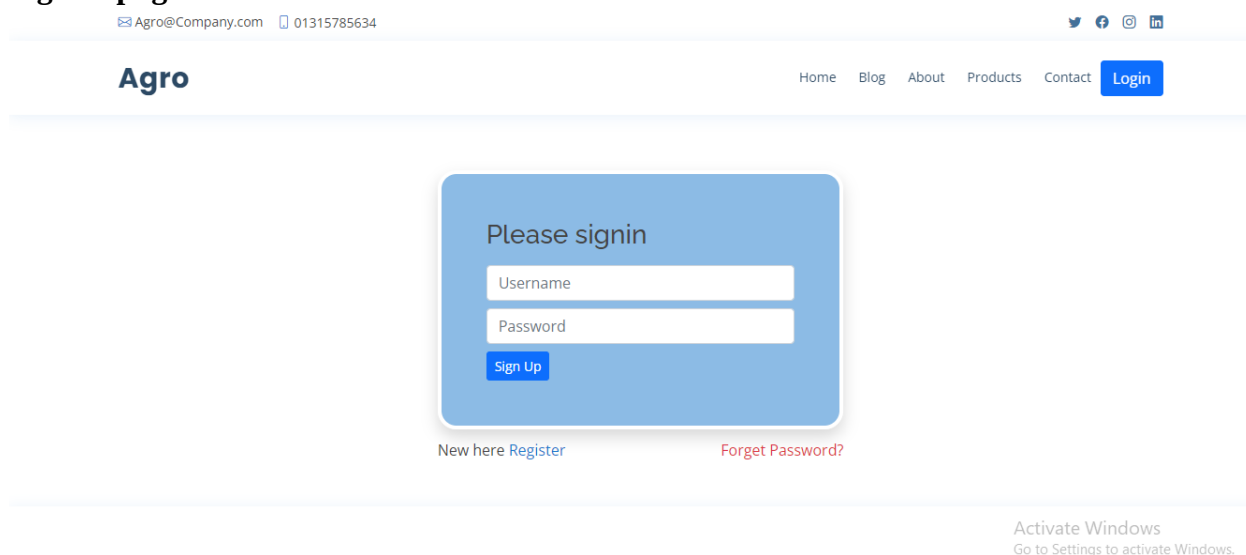


Figure 53:Sign up page.

Coding of sign in page:

```

1  {% extends 'base.html' %}
2  {% block content %}
3  <div class="row">
4
5
6  <div class="col-md-4 mt-5 mb-5" style="margin:0 auto;">
7
8  <form class="form-signin p-5 shadow"
9  style="background:rgb(26 119 203 / 50%); border-radius: 20px; margin-top: 10px; margin-bottom: 10px;"
10  enctype="multipart/form-data" method="post">
11  <h2 class="h3 mb-3 font-weight-normal">Please signin</h2>
12  {% if messages %}
13  <div class="alert alert-primary">
14  {% for message in messages %}
15  <span{% if message.tags %} id="message-{{ message.tags }}" {% endif %}>{{ message }}</span>
16  {% endfor %}
17  </div>
18  {% endif %}
19  {% csrf_token %}
20  {% for field in form %}
21  <div class="fieldWrapper">
22  {{ field.errors }}
23
24
25
26  {{ field }}

```

Figure 54:Coding of sign in page

```

29  </div>
30  {% endfor %}
31
32
33  <button class="btn btn-lg btn-primary btn-sm" type="submit">Sign Up</button>
34
35  </form>
36  <div class="reg_or_forget d-flex justify-content-between">
37  <div>New here
38  <a class="link" href="{% url 'registration' %}">Register</a>
39  </div>
40  <div>
41  <a class="link text-danger" href="{% url 'password_reset' %}">Forget Password?</a>
42  </div>
43  </div>
44  </div>
45  </div>
46  <script>
47  document.getElementById('id_username').classList.add('form-control', 'mb-2')
48  document.getElementById('id_username').setAttribute("placeholder", "Username");
49  document.getElementById('id_password').classList.add('form-control', 'mb-2')
50  document.getElementById('id_password').setAttribute("placeholder", "Password");
51
52  </script>
53  {% endblock content %}

```

Figure 55:coding of sign in page .

Sign up page :

Please sign Up

Username

name@mail.com

FARMAR

Choose file No file chosen

Password

Again Password

Sign Up

Figure 56:Registration page .

Coding for sign up page :

```

OPEN EDITORS
  x registration.html...
  191-16...
  < about.html
  < agriculturerist.html
  < base.html
  < contact.html
  < index.html
  < message_list.html
  < message_reply.html
  < message.html
  < order.html
  < privacypolicy.html
  < products.html
  < profile.html
  < registration.html
  < report_pdf.html
  < sms.html
  < termservice.html
  db.sqlite3
  erd.dot
  erd.png
  manage.py
  templates > < registration.html
  1 {% extends 'base.html' %}
  2 {% block content %}
  3 <div class="row">
  4
  5 <div class="col-md-4 mt-5 mb-5" style="margin: 0 auto; ">
  6
  7 <form class="form-signin p-5 shadow"
  8 style="background:rgb(26 119 203 / 50%);border-radius: 20px; margin-top: 10px; margin-bottom: 10px;"
  9 enctype="multipart/form-data" method="post">
  10 <h1 class="h3 mb-3 font-weight-normal">Please sign Up</h1>
  11 {% csrf_token %}
  12 {% for field in forms %}
  13 <div class="fieldWrapper">
  14 {{ field.errors }}
  15
  16 {{ field }}
  17
  18 </div>
  19 {% endfor %}
  20
  21 <button class="btn btn-lg btn-primary btn-block" type="submit">Sign Up</button>
  22
  23
  24
  25
  
```

Figure 57: Coding of Registration page

```

25 <button class="btn btn-lg btn-primary btn-block" type="submit">Sign Up</button>
26
27 </form>
28
29 </div>
30
31 </div>
32 <script>
33   document.getElementById('id_password1').classList.add('form-control', 'mb-2')
34   document.getElementById('id_password1').setAttribute("placeholder", "Password");
35   document.getElementById('id_password2').classList.add('form-control', 'mb-2')
36   document.getElementById('id_password2').setAttribute("placeholder", "Again Password");
37
38   document.getElementById('id_user_type').classList.add('form-control', 'mb-2')
39   document.getElementById('id_image').classList.add('form-control', 'mb-2')
40 </script>
41 {% endblock content %}

```

Figure 58: Coding of registration page.

Sign in page :

Please sign in

Username

Password

Sign Up

New here [Register](#) [Forget Password?](#)

Figure 59: Sign in page

Code for sign in page:

```

1  {% extends 'base.html' %}
2  {% block content %}
3  <div class="row">
4
5
6  <div class="col-md-4 mt-5 mb-5" style="margin:0 auto;">
7
8  <form class="form-signin p-5 shadow"
9  style="background:rgb(26 119 203 / 50%); border-radius: 20px; margin-top: 10px; margin-bottom: 10px;"
10  enctype="multipart/form-data" method="post">
11  <h2 class="h3 mb-3 font-weight-normal">Please signin</h2>
12  {% if messages %}
13  <div class="alert alert-primary">
14  {% for message in messages %}
15  <span{% if message.tags %} id="message-{{ message.tags }}" {% endif %}>{{ message }}</span>
16  {% endfor %}
17  </div>
18  {% endif %}
19  {% csrf_token %}
20  {% for field in form %}
21  <div class="fieldWrapper">
22  {{ field.errors }}
23
24

```

Figure 60:Code of sign in page

```

30  {% endfor %}
31
32  <button class="btn btn-lg btn-primary btn-sm" type="submit">Sign Up</button>
33
34
35  </form>
36  <div class="reg_or_forget d-flex justify-content-between">
37  <div>New here
38  <a class="link" href="{% url 'registration' %}">Register</a>
39  </div>
40  <div>
41  <a class="link text-danger" href="{% url 'password_reset' %}">Forget Password?</a>
42  </div>
43  </div>
44  </div>
45  </div>
46  <script>
47  document.getElementById('id_username').classList.add('form-control', 'mb-2')
48  document.getElementById('id_username').setAttribute("placeholder", "Username");
49  document.getElementById('id_password').classList.add('form-control', 'mb-2')
50  document.getElementById('id_password').setAttribute("placeholder", "Password");
51
52  </script>
53  {% endblock content %}

```

Figure 61:code of sign In page .

Profile page :

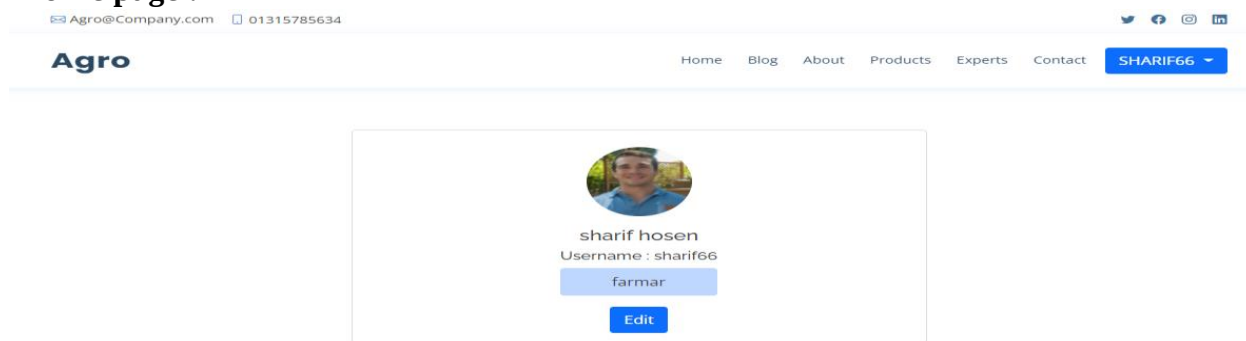


Figure 62:profile page.

Coding for profile page:

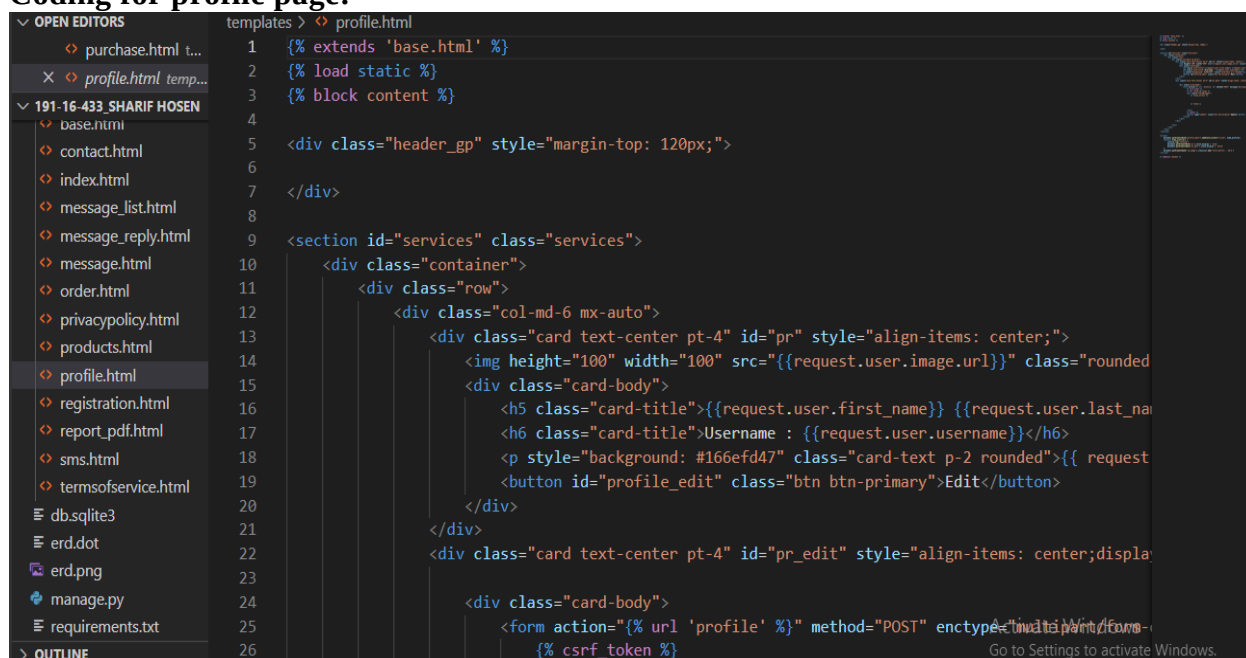


Figure 63:Coding for profile page



Figure 64: Coding for profile page

```

-16-433_SHARIF HOSEN
base.html      46 </section>
contact.html   47
index.html     48 <script>
message_list.html 49     document.getElementById("profile_edit").addEventListener("click", hide_profile);
message_reply.html 50     function hide_profile() {
message.html    51         console.log('working')
order.html      52         document.getElementById('pr').style.display = 'none'
privacypolicy.html 53         document.getElementById('pr_edit').style.display = 'block'
products.html   54     }
profile.html    55     document.getElementById('id_image').classList.add('form-control', 'mb-2')
registration.html 56 </script>
report_pdf.html 57
sms.html        58 {% endblock content %}
termsofservice.html

```

Figure 65: Coding for profile page.

Blog page :

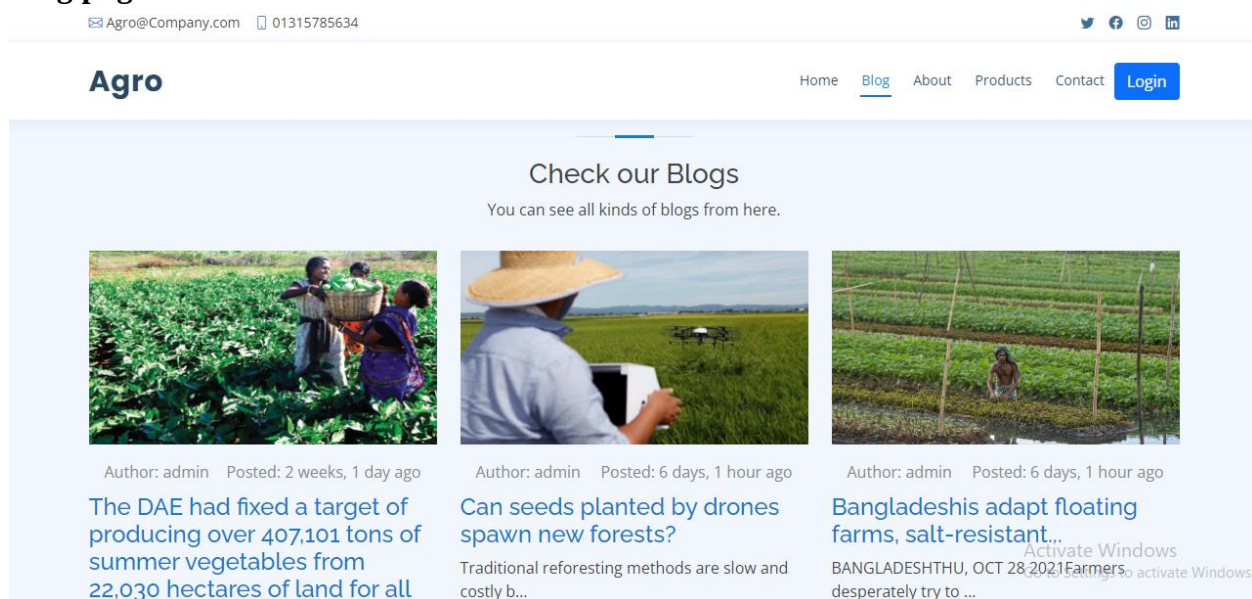


Figure 66: blog page.

Code for blog page: blog details-

```

1  {% extends "base.html" %}
2
3  {% block title %}
4  Blog
5  {% endblock title %}
6
7  {% block content %}
8  {% load humanize %}
9
10
11
12 <section id="team" class="team section-bg">
13   <div class="container aos-init aos-animate" data-aos="fade-up">
14
15       <div class="blog details">
16         
17         <div class="pt-5">
18           <div class="d-flex justify-content-between">
19
20             <p class="bg-white rounded" style="padding: 5px 10px; font-weight: bold;">Au
21               style="font-weight: lighter;">{{blog.author}}</span>
22             </p>
23             <p class="float-right bg-white text-gray-700 rounded" style="padding: 5px 10p
24               Posted:
25               <span style="font-weight: lighter;">

```

Figure 67: Coding of blog page

```

27   {{ blog.created_at|naturaltime }}
28   </span>
29 </p>
30 </div>
31 <h2>{{blog.title}}</h2>
32 <p class="leading-relaxed mb-3">{{blog.details}}</p>
33 <hr>
34
35 </div>
36
37 <div class="d-flex flex-column col-md-12">
38
39   <div class="coment-bottom bg-white p-2 px-4">
40     <form action="{% url 'comment_post' %}" method="post">
41       {% csrf_token %}
42       <div class="d-flex flex-row add-comment-section mt-4 mb-4">
43         
45
46         <input type="text" name="blog" class="form-control mr-3" hidden value
47         <input type="text" name="comment" class="form-control mr-3" placeholder

```

Figure 68: Coding of blog page

The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with folders like 'media', 'product', 'sent_emails', 'static', 'templates', and 'blog'. The code editor shows the content of 'blog_detail.html' with HTML code for a comment section.

```

69 </div>
70 </div>
71 <div class="comment-text-sm mb-4"><span>{{comment.comment}}</span>
72 </div>
73 {% endfor %}
74
75 </div>
76
77 </div>
78 </div>
79
80
81
82
83 </div>
84
85 </div>
86 </section>
87
88
89
90
91
92

```

Code for Blog list:



The screenshot shows a code editor with the following structure:

- Left Panel (File Explorer):**
 - OPEN EDITORS
 - blog_list.html te...
 - 191-16...
 - media
 - product
 - sent_emails
 - static
 - templates
 - blog
 - blog_detail.html
 - blog_list.html** (selected)
 - cart
 - cart.html
 - checkout.html
 - purchase.html
 - registration
 - about.html
 - agriculturerist.html
 - base.html
 - contact.html
 - index.html
 - message_list.html

- Right Panel (Code Editor):**

```

templates > blog > blog_list.html
1  {% extends "base.html" %}
2
3  {% block title %}
4  Blog
5  {% endblock title %}
6
7  {% block content %}
8  {% load humanize %}
9
10
11
12 <!-- Blog start -->
13
14 <section id="team" class="team section-bg">
15     <div class="container aos-init aos-animate" data-aos="fade-up">
16
17         <div class="section-title">
18             <h2>Blog</h2>
19             <h3>Check our <span>Blogs</span></h3>
20             <p>You can see all kinds of blogs from here.</p>
21         </div>
22
23         <div class="row">
24             <div class="col-lg-4 col-md-4 d-flex align-items-stretch aos-init aos-animate" data-aos="fade-up">
25                 <div class="card">
26                     <div class="card-body">
27                         <h4>Blog 1</h4>
28                         <p>This is a blog post about the first topic. It contains some text and a link to more information.</p>
29                     </div>
30                 </div>
31             </div>
32             <div class="col-lg-4 col-md-4 d-flex align-items-stretch aos-init aos-animate" data-aos="fade-up">
33                 <div class="card">
34                     <div class="card-body">
35                         <h4>Blog 2</h4>
36                         <p>This is a blog post about the second topic. It contains some text and a link to more information.</p>
37                     </div>
38                 </div>
39             </div>
40             <div class="col-lg-4 col-md-4 d-flex align-items-stretch aos-init aos-animate" data-aos="fade-up">
41                 <div class="card">
42                     <div class="card-body">
43                         <h4>Blog 3</h4>
44                         <p>This is a blog post about the third topic. It contains some text and a link to more information.</p>
45                     </div>
46                 </div>
47             </div>
48         </div>
49     </div>
50 </section>
51
52 </div>
53 </div>
54 </div>
55 </div>
56 </div>
57 </div>
58 </div>
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348 </div>
349 </div>
35
```

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```

X <> blog_list.html te... 27
v 191-16-433_SHARIF HOSEN 28
  > media 29
  > product 30
  > sent_emails 31
  > static 32
  v templates 33
    v blog 34
      <> blog_detail.html 35
      <> blog_list.html 36
    v cart 37
      <> cart.html 38
      <> checkout.html 39
      <> purchase.html 40
      > registration 41
      <> about.html 42
  43
  44

```

```

data-aos-delay="100">
<div class="member">
  <div class="member-img">
    
  </div>
  <div class="d-flex justify-content-between font-weight-light ps-3 pe-3 pt-3"
    style="color: #8a8a8a;">
    <div>
      Author: {{ blog.author }}
    </div>
    <div>
      Posted: {{ blog.created_at|naturaltime }}
    </div>
  </div>
  <div class="member-info" style="padding-top: 10px;">
    <h4><a href="% url 'blog-details' blog.id %">{{blog.title}}</a></h4>
    <p>{{ blog.details|truncatechars:54 }}</p>

```

Figure 72:code of blog list

```

v 191-16-433_SHARIF HOSEN 47
  > media 48
  > product 49
  > sent_emails 50
  > static 51
  v templates 52
    v blog 53
      <> blog_detail.html 54
      <> blog_list.html 55
    v cart 56
      <> cart.html 57
      <> checkout.html 58
      <> purchase.html 59
      > registration 60
      <> about.html 61
      <> agriculturerelist.html 62
      <> base.html 63
      <> contact.html 64
  65
  66

```

```

    </div>
  </div>
</div>
{% endfor %}
</div>
</section><!-- Blog end-->
{% endblock content %}

```

Figure 73:code of blog list

About page:

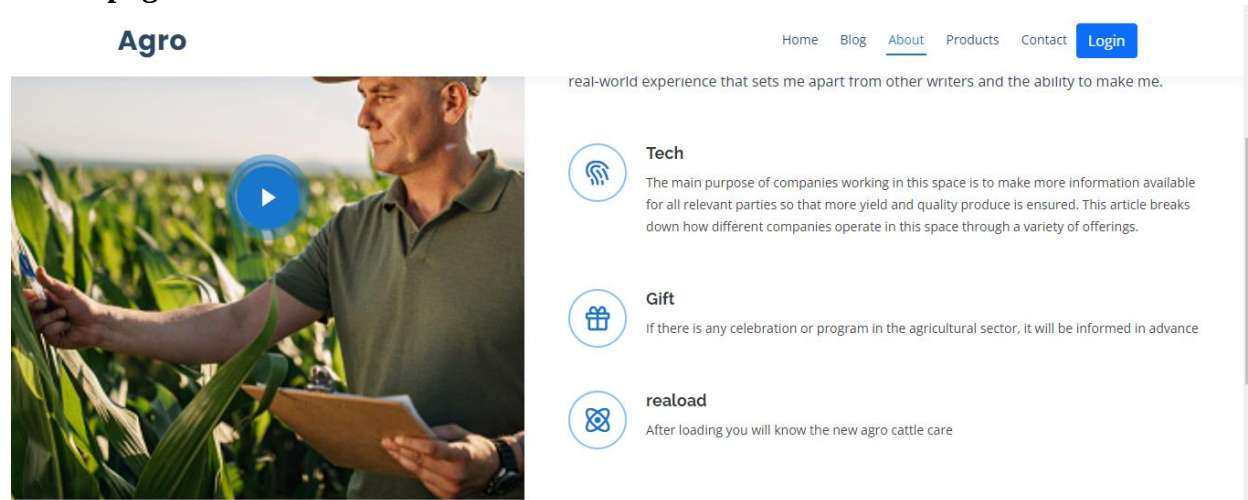


Figure 74:about page

Coding for about page:

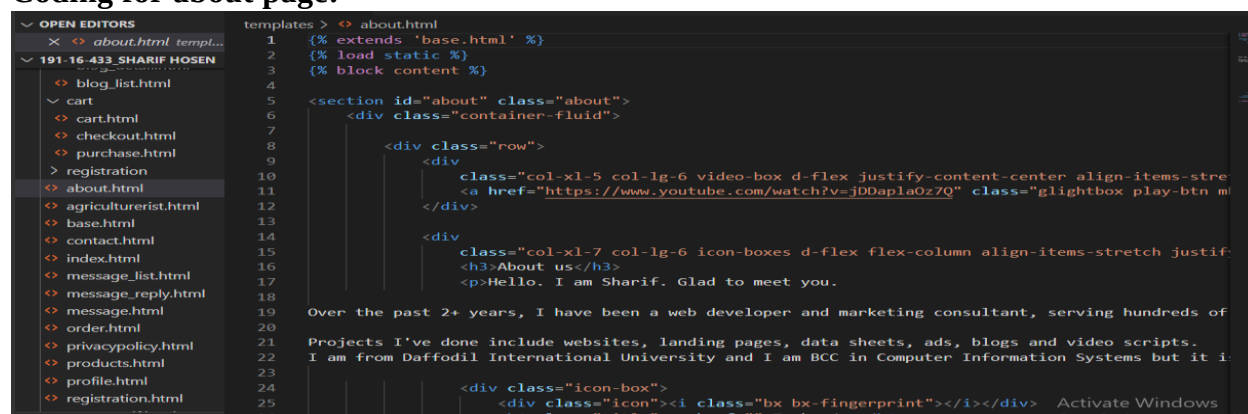


Figure 75:coding of about page

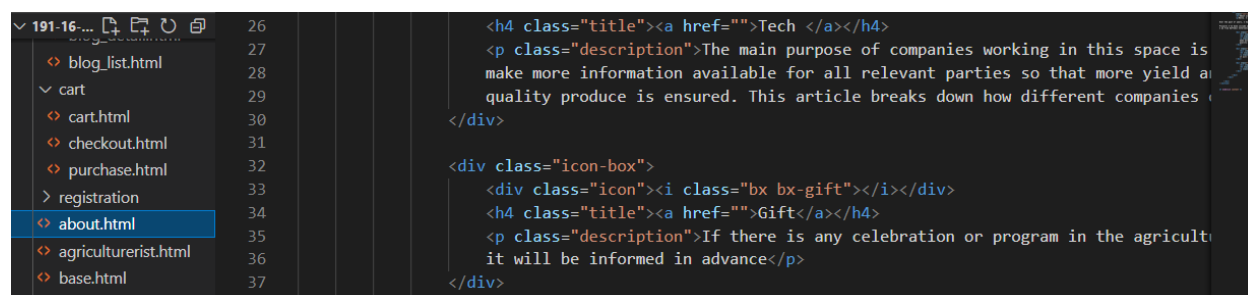


Figure 76:coding of about page.

```

templates > about.html
38
39
40 <div class="icon-box">
41   <div class="icon"><i class="bx bx-atom"></i></div>
42   <h4 class="title"><a href="">reload</a></h4>
43   <p class="description">After loading you will know the new agro cattle care</p>
44 </div>
45
46 </div>
47
48 </div>
49 </section>
50
51 {% endblock content %}
52

```

Figure 77: coding of about page.

Contact page :

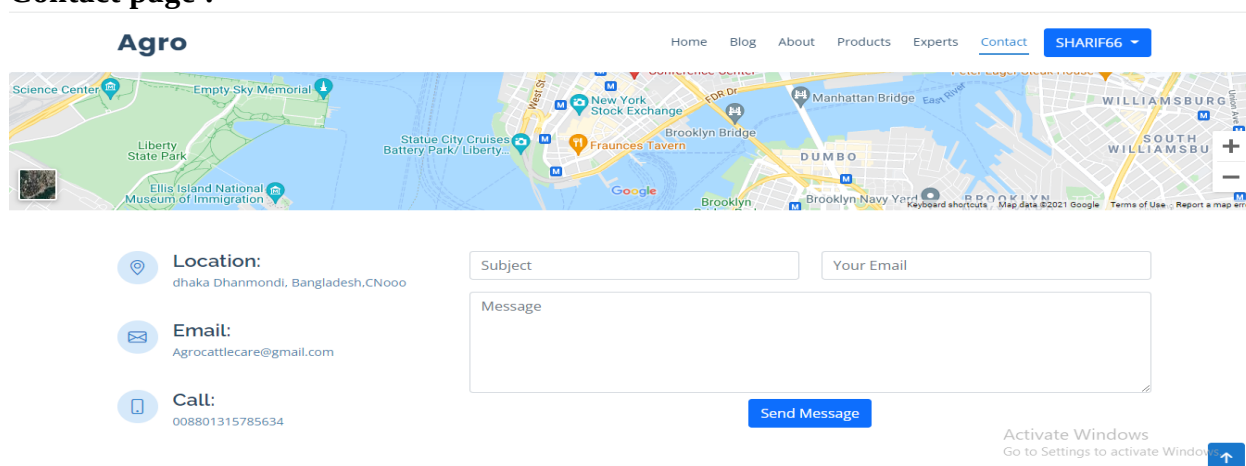


Figure 78: contact page

Coding for contact page:

```

templates > contact.html
1 {% extends 'base.html' %}
2 {% load static %}
3 {% block content %}
4
5 <section id="contact" class="contact">
6   <div class="container">
7
8     <div class="section-title">
9       <h2>Contact</h2>
10      <p>Emergency Contact from anywhere in the world.</p>
11    </div>
12  </div>
13
14  <div>
15    <iframe style="border:0; width: 100%; height: 350px;"
16      src="https://www.google.com/maps/embed?pb=!1m14!1m8!1m3!1d12097.433213460943!2d-74.00
17      frameborder="0" allowfullscreen=""></iframe>
18    </div>
19
20    <div class="container">
21      <div class="row mt-5">
22
23        <div class="col-lg-4">
24          <div class="info">
25            <div class="address">
26              <i class="bi bi-geo-alt"></i>

```

Figure 79: code of contact page

```

templates > contact.html
27 <n4>Location:</n4>
28 <p>dhaka Dhanmondi, Bangladesh,CNooo</p>
29 </div>
30
31 <div class="email">
32 <i class="bi bi-envelope"></i>
33 <h4>Email:</h4>
34 <p>Agrocattlecare@gmail.com</p>
35 </div>
36
37 <div class="phone">
38 <i class="bi bi-phone"></i>
39 <h4>Call:</h4>
40 <p>008801315785634</p>
41 </div>
42
43 </div>
44
45 </div>
46
47 <div class="col-lg-8 mt-5 mt-lg-0">
48
49 <form action="{% url 'contact' %}" method="POST" role="form">
50 <div class="row">
51 <div class="col-md-6 form-group">
52

```

Figure 80:code of contact page

```

templates > contact.html
53 <input type="text" class="form-control" name="subject" id="subject" p
54 required="">
55 </div>
56 <div class="col-md-6 form-group mt-3 mt-md-0">
57 <input type="email" class="form-control" name="email" id="email" plac
58 required="">
59 </div>
60 </div>
61
62 <div class="form-group mt-3">
63 <textarea class="form-control" name="message" rows="5" placeholder="Messa
64 required=""></textarea>
65 </div>
66
67 {% if message %}
68 <p>{{message}}</p>
69 {% endif %}
70
71 <div class="text-center"><button class="btn btn-primary mt-2" type="submit">S
72 </div>
73 </form>
74
75 </div>
76
77 </div>
78

```

Figure 81:code of contact page

```

templates > <> contact.html
74
75         </div>
76
77     </div>
78
79 </div>
80 </section>
81
82 {% endblock content %}

```

Figure 82:code of contact page

SMS page :

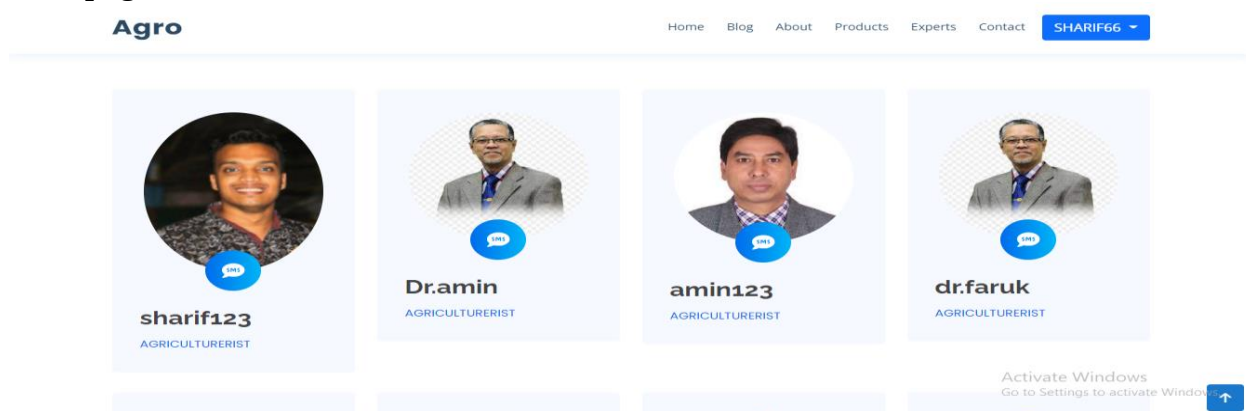


Figure 83:SMS page

Coding for SMS page :

```

EXPLORER
... sms.html x
OPEN EDITORS
x sms.html templates
191-16-433_SHARIF HOSEN
> registration
about.html
agriculturerist.html
base.html
contact.html
index.html
message_list.html
message_reply.html
message.html
order.html
privacypolicy.html
products.html
profile.html
registration.html
report_pdf.html
sms.html
termsofservice.html
db.sqlite3
erd.dot
erd.png
OUTLINE
templates > sms.html
201 </style>
202 <link href="https://maxcdn.bootstrapcdn.com/font-awesome/4.3.0/css/font-awesome.min.css" rel="sty
203 {% endblock style %}
204 {% block content %}
205
206
207
208 <div class="header_gp" style="margin-top: 120px;"></div>
209 <div class="container bootstrap snippets bootdey">
210     <div class="row">
211
212         <div class="col-md-4 bg-white ">
213             <div class=" row border-bottom padding-sm" style="height: 40px;">
214                 Member
215             </div>
216
217             <!-- ===== -->
218             <!-- member list -->
219             <ul class="friend-list">
220                 {% for message in messages %}
221                 <li class="bounceInDown">
222                     <a href="{% url 'message' message.expарт.id %}" class="clearfix">
223
224                     
226                         <strong>{{ message.expарт }}</strong>

```

Figure 84: coding of SMS page.

```

222 <a href="{% url 'message' message.expart.id %}" class="clearfix">
223
224 
226 <strong>{{ message.expart }}</strong>
227 {% if message.reply == True %}
228
229
230 {% if message.seen %}
231 <span class="badge bg-info">Seen</span>
232 {% else %}
233 <span class="badge bg-danger">New</span>
234 {% endif %}
235 {% endif %}
236 </div>
237
238 </a>
239 </li>
240 {% endfor %}
241 </ul>
242 </div>
243
244
245 </div>
246
247 {% endblock content %}

```

Figure 85: code of SMS page.

Message page :

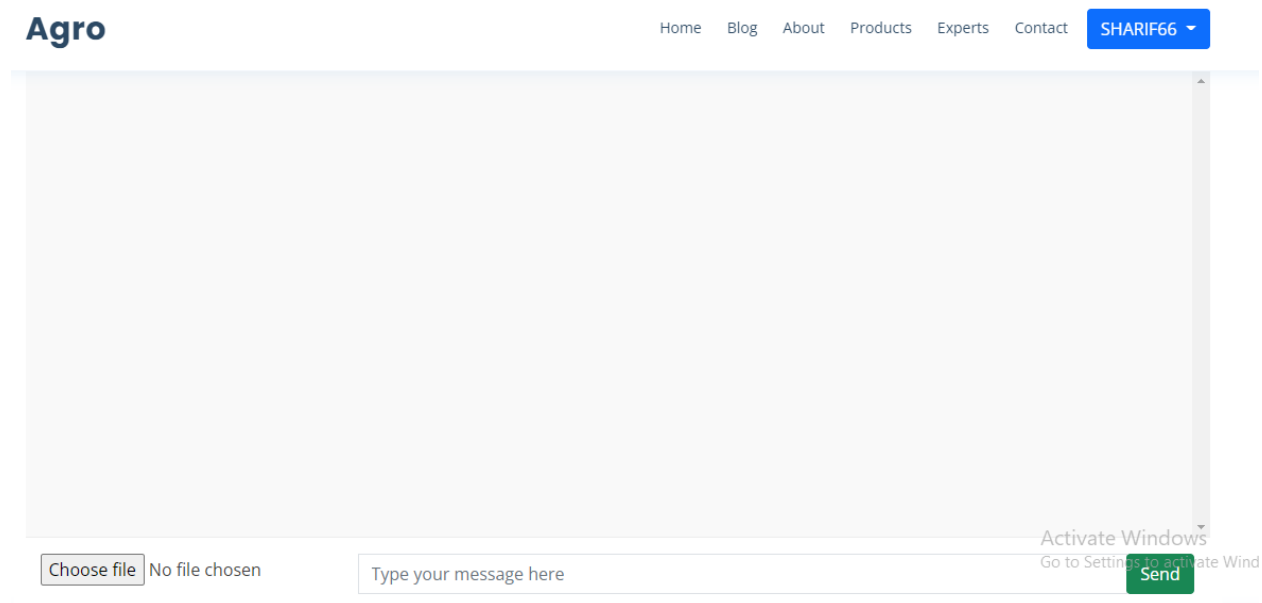


Figure 86: message page

Coding for message page :

```

201 </style>
202 <link href="https://maxcdn.bootstrapcdn.com/font-awesome/4.3.0/css/font-awesome.min.css" rel="sty
203 {% endblock style %}
204 {% block content %}
205 {% load humanize %}
206
207
208 <div class="header_gp" style="margin-top: 120px;"></div>
209 <div class="container bootstrap snippets bootdey">
210   <div class="row">
211     <div class="col-md-12 bg-white ">
212       <div class="chat-message">
213         <ul class="chat">
214           {% for message in messages %}
215             {% if message == '' %}
216               Please Start Conversation
217             {% endif %}
218
219             <li class="{% if message.reply %}left {% else %} right{% endif %} clearfix">
220               <span class="chat-img pull-{% if message.reply %}left {% else %}right{%
221                 
222               </span>
223               <div class="chat-body clearfix">
224                 <div class="header">
225
226

```

Figure 87:code of message page

```

227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252

```

Figure 88:code of message page

```

X message.html te... 254
191-16-433_SHARIF HOSEN 255
  registration 256
  about.html 257
  agriculturerist.html 258
  base.html 259
  contact.html 260
  index.html 261
  message_list.html 262
  message_reply.html 263
  message.html 264
  order.html 265
  privacypolicy.html 266
  products.html 267
  profile.html 268
  registration.html 269
  report_pdf.html 270
  sms.html 271
  termsofservice.html 272
db.sqlite3 273
erd.dot 274
erd.png 275
  
```

```

254 </div>
255 <div class="chat-box bg-white">
256   <form action="{% url 'message' id %}" method="POST" enctype="multipart/form-data">
257     <div class="input-group">
258       {% csrf_token %}
259       <input type="file" name="image" class="" style="width: 300px;">
260       <input class="form-control border no-shadow no-rounded" required
261         placeholder="Type your message here" name="message">
262       <span class="input-group-btn">
263         <button class="btn btn-success no-rounded" type="submit">Send</button>
264       </span>
265     </div><!-- /input-group -->
266   </form>
267 </div>
268 </div>
269 </div>
270 </div>
271 </div>
272 </div>
273 </div>
274 </div>
275 </div>
276 </div>
277 {% endblock content %}
  
```

Activate Windows
Go to Settings to activate Windows.

Figure 89:code of message page

Product page :

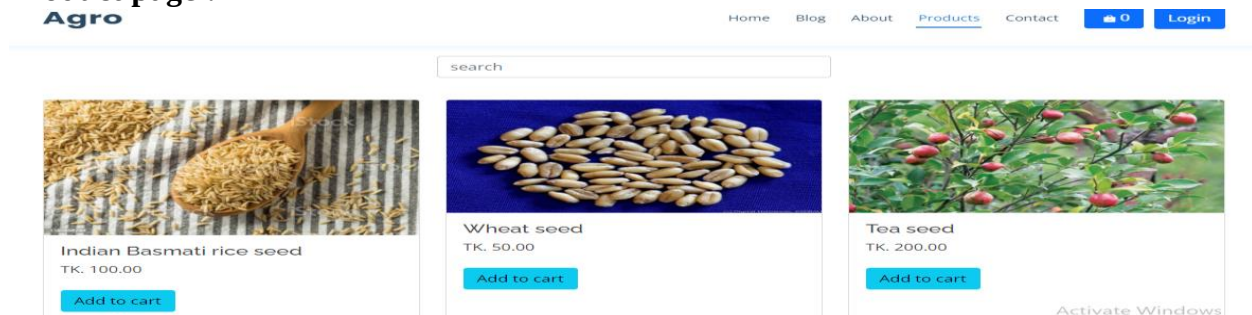


Figure 90:products page.

Code for product page :

```

X products.html te... 1
191-16-433_SHARIF HOSEN 2
  password_reset_co... 3
  password_reset_do... 4
  password_reset_for... 5
  about.html 6
  agriculturerist.html 7
  base.html 8
  contact.html 9
  index.html 10
  message_list.html 11
  message_reply.html 12
  message.html 13
  order.html 14
  privacypolicy.html 15
  products.html 16
  profile.html 17
  registration.html 18
  report_pdf.html 19
  sms.html 20
  termsofservice.html 21
db.sqlite3 22
erd.dot 23
erd.png 24
  
```

```

1 {% extends 'base.html' %}
2 {% load static %}
3 {% block content %}
4
5 <div class="header_gp" style="margin-top: 120px;">
6
7 </div>
8
9 <section id="services" class="services">
10   <div class="container">
11     <div class="section-title">
12       <h2>Product</h2>
13     <div class="col-md-6 mx-auto">
14       <p>Bangladesh is primarily an agrarian economy. Agriculture is the single largest
15       </p>
16     </div>
17     <div class="col-md-4 mb-2 mt-4 mx-auto">
18       <form action="" method="post">
19         {% csrf_token %}
20         <input type="text" placeholder="search" name="search" class="form-control">
21       </form>
22     </div>
23   </div>
24 </section>
25 </div>
  
```

Activate Windows
Go to Settings to activate Windows.

```

25 </div>
26
27 <div class="row">
28
29     {% for product in products %}
30
31     <div class="col-lg-4 col-md-6 d-flex align-items-stretch mb-4">
32         <div class="card">
33             
34             <div class="card-body">
35                 <h5 class="card-title">{{product.name}}</h5>
36                 <p class="card-text">TK. {{product.price}}</p>
37
38                 {% if request.user.is_authenticated %}
39                 <button data-product="{{product.id}}" data-action="add"
40                     class="update-cart btn btn-success mt-2">Add
41                     to cart</button>
42                 {% else %}
43
44                 <a href="{% url 'login' %}" title="Please Login for Add to cart" class="b
45                     to cart</a>
46                 {% endif %}
47
48             </div>
49         </div>
50     </div>
51
52     {% endfor %}
53
54 </div>
55
56 </div>
57 </section>
58
59 {% endblock content %}

```

Figure 91:code of product page

Shopping cart page :

Agro Home Blog About Products Experts Contact 1 SHARIF66

Shopping Cart

Image	Name	Quantity	Price	Total	Action
	Wheat seed	- 1 +	50.00	50.00	

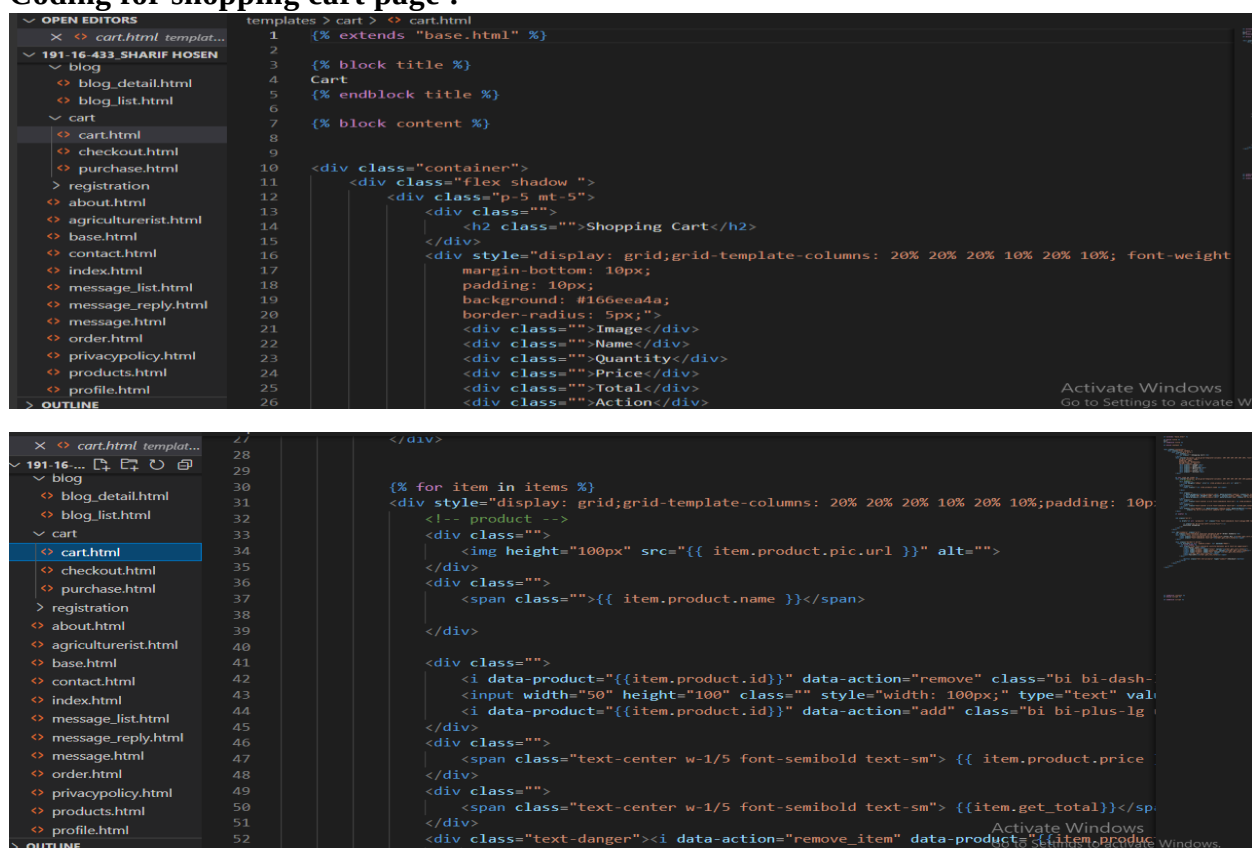
[← Continue Shopping](#)

Order Summary



Figure 92:shopping cart page.

Coding for shopping cart page :



```

</div>
<div class="text-danger"><i data-action="remove_item" data-product="{{item.produc
class="bi bi-x-circle-fill update-cart" style=""></i></div>
</div>
{% endfor %}

<h4 class="mt-5">
  <a href="{% url 'products' %}" class="flex font-semibold text-indigo-600 text-sm
    <i class="bi bi-arrow-left-circle-fill"></i>
    Continue Shopping
  </a>
</h4>
</div>

<div id="summary" class="p-5">
  <h2 class="font-semibold text-2xl border-b pb-8">Order Summary</h2>
  <div class="flex justify-between mt-10 mb-5">
    <span class="font-semibold text-sm uppercase">Total Qnt ({{order.get_cart_items}}
    <span class="font-semibold text-sm">{{order.get_cart_total}}</span>
  </div>

```

Figure 93:code of shopping cart.

Purchase tracking page :

Transition ID	Order Status	Cancel Status	Payment Status
sggdttryhbvv	delivered	None	Paid
dfv jbjn;kmcvbj	delivered	None	Paid
zvhgkca jhzdvbhlid	Canceled	True	Refunded
sggdttryhbvv	On Progress To Delivery	None <button>Cancel</button>	Paid
dhgjghjghghghg	delivered	None	Paid
mmmhdcgdhghg	delivered	None	Paid
qgdvghvvhv	delivered	None	Paid

Figure 94:purchase tracking page

Coding for purchase tracking page :

```

1  {% extends "base.html" %}
2
3  {% block title %}
4  Purchess Traking
5  {% endblock title %}
6
7  {% block content %}
8
9
10
11
12  <section class="text-gray-600 body-font overflow-hidden">
13
14      <div class="container">
15          <div class="row">
16              <div class="col-md-12">
17                  <h2>Purchase Tracking</h2>
18                  <div class="purchess_list shadow p-4">
19                      <table class="table">
20                          <thead>
21                              <tr>
22                                  <th scope="col">Transition ID</th>
23                                  <th scope="col">Order Status</th>
24                                  <th scope="col">Cancel Status</th>
25                                  <th scope="col">Payment Status</th>
26

```

Figure 95:code of purchase tracking page

```

27
28
29
30
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```

Figure 96:code of purchase tracking page

```

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```

Figure 97:code of purchase tracking page

```

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```

Code snippet from Figure 98:

```

{% if item.cancel %}
Refunded
{% else %}
Paid
{% endif %}
</td>
</tr>
{% endfor %}
</tbody>
</table>
</div>
</div>
</div>
</section>
{% endblock content %}

```

Figure 98:code of purchase tracking page

Order history page :

Name	Transaction Id	Order Date	Report
sharif66	sggdttryhbvv	Nov. 9, 2021, 2:51 a.m.	Download
sharif66	dfv jbjn;kmcvbjnj	Nov. 9, 2021, 3:38 a.m.	Download
sharif66	zvhgkca jhzdvbhlslid	Nov. 9, 2021, 3:42 a.m.	Download
sharif66	sggdttryhbvv	Nov. 9, 2021, 3:48 a.m.	Download
sharif66	dhgjghjghghghg	Nov. 9, 2021, 3:52 a.m.	Download
sharif66	mmmhdcgdhghg	Nov. 9, 2021, 4:40 a.m.	Download

Figure 99:order history page.

Coding for order history page:

```

1  {% extends 'base.html' %}
2  {% load static %}
3  {% block content %}
4
5  <section id="contact" class="contact">
6    <div class="container">
7
8      <div class="section-title">
9        <h2>Order History</h2>
10       <table class="table">
11         <thead>
12           <tr>
13             <th scope="col">Name</th>
14             <th scope="col">Transaction Id</th>
15             <th scope="col">Order Date</th>
16             <th scope="col">Report</th>
17           </tr>
18         </thead>
19         <tbody>
20           {% for order in orders %}
21           <tr>
22             <td>{{order.customer}}</td>
23             <td>{{order.transaction_id}}</td>
24             <td>{{order.date_orderd}}</td>
25             <td>{{order.date_orderd}}</td>
26

```

Figure 100: Coding of order history page

```

25       <td>{{order.transaction_id}}</td>
26       <td>{{order.date_orderd}}</td>
27       <td><a href="{% url 'report' %}" class="btn btn-warning">Download</a></td>
28     </tr>
29   </tbody>
30 </table>
31 </div>
32 </div>
33 </section>
34 {% endblock content %}
35

```

Figure 101: Coding of order history page

10.2 Here the Possible problem breakdown:

In the case of database design and development

- Let's choose the appropriate qualities.
- Maintains a relationship between the above.
- Database design

Font in interface:

- Design the page
- Selecting keywords
- Navigate creation

Login system:

Interface Design Login

Implement and login based solely on user roles.

Experiment based on user roles.

Communication with each other:

View profile

Add a blog post

Message online

Order by product

CHAPTER 11 – TESTING**Test Case****Unit Testing (2 to 3)****Module Testing (2 to 3)****Integration Testing (2 to 3)****Acceptance Testing****Performance Testing (if possible)****Security Testing****Accessibility Testing (if possible)****Usability testing**

11.1 Test case

Test case number	Unit Test		
Test type			
Test description			
Test Steps	Expected Results	Actual Results	Comments

11.2 Unit Testing:

Test case number	Unit Testing 1		
Test type	Login page		
Test description	Go to login page without input password		
Test Steps	Expected Results	Actual Results	Comments
User login	User cannot login	message shows “please fill in this field”	As expected

Table 7: unit test one test case

Actual result:

Figure 102:unit test one

11.2.1Unit testing :

Test case number	Unit Testing 2		
Test type	Login farmer		
Test description	Without login, users cannot add products.		
Test Steps	Expected Results	Actual Results	Comments
User login	User login successfully.	Successfully login user.	As expected.

Table 8:Unit test-2

Actual result:

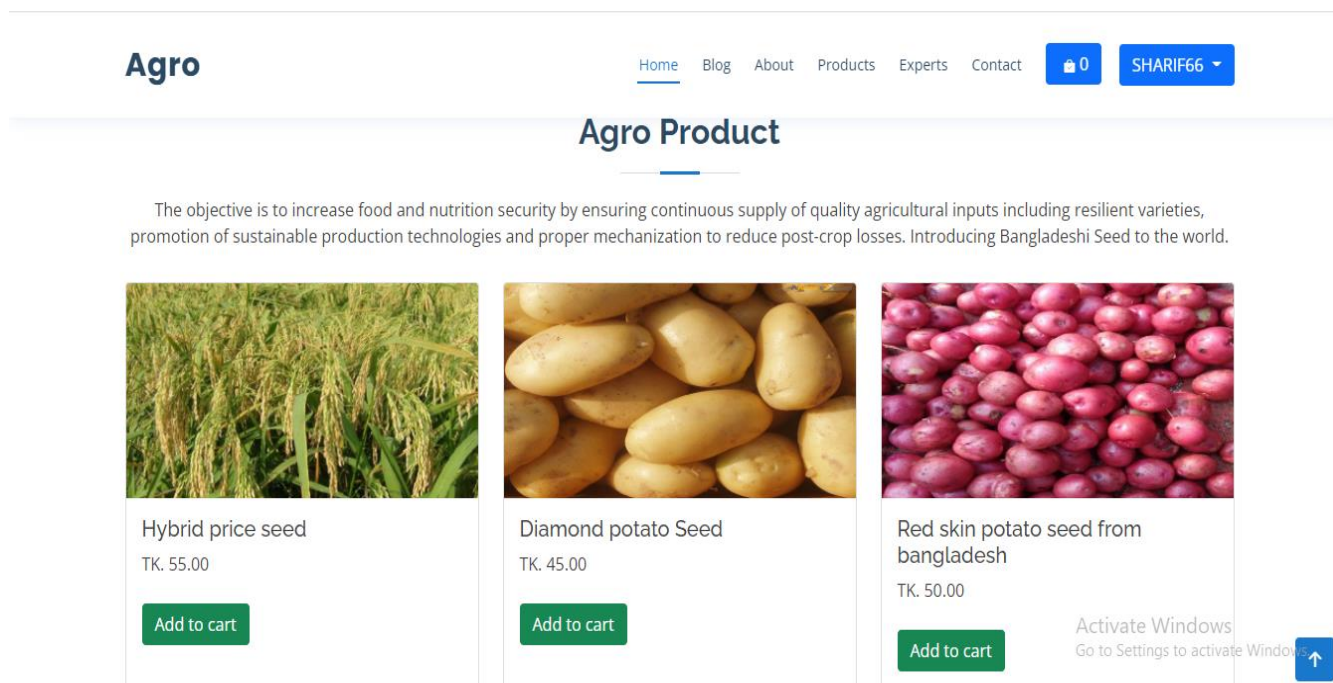


Figure 103:unit test2

11.3Module Testing :

Test case number	Module Testing 1			
Test type	Registration form			
objectives	Registration without field of registration			
Test Steps	Task description	Expected Results	Actual Results	Comments
User login	Vacant registration	User cannot registration	message shows "please fill in this field".	As expected.

Table 9:Module test case

Actual result:

Agro@Company.com 01315785634

Home Blog About Products Contact [Login](#)

Please sign Up

Username

name@r  Please fill in this field.

FARMAR

Choose file No file chosen

Password

Again Password

[Sign Up](#)

Activate Windows
Go to Settings to activate Windows

Figure 104:Module test

11.3.1Module testing

Test case number	Module Testing2			
Test type	Registration form			
objectives	Registration successfully			
Test Steps	Task description	Expected Results	Actual Results	Comments
User login	registration successfully form	Users can register only with his personal information Username: sharif66 Password: ***** Re-password: *****	message shows “Successfully login”.	As expected.

Table 10:module test case 1

Actual result:

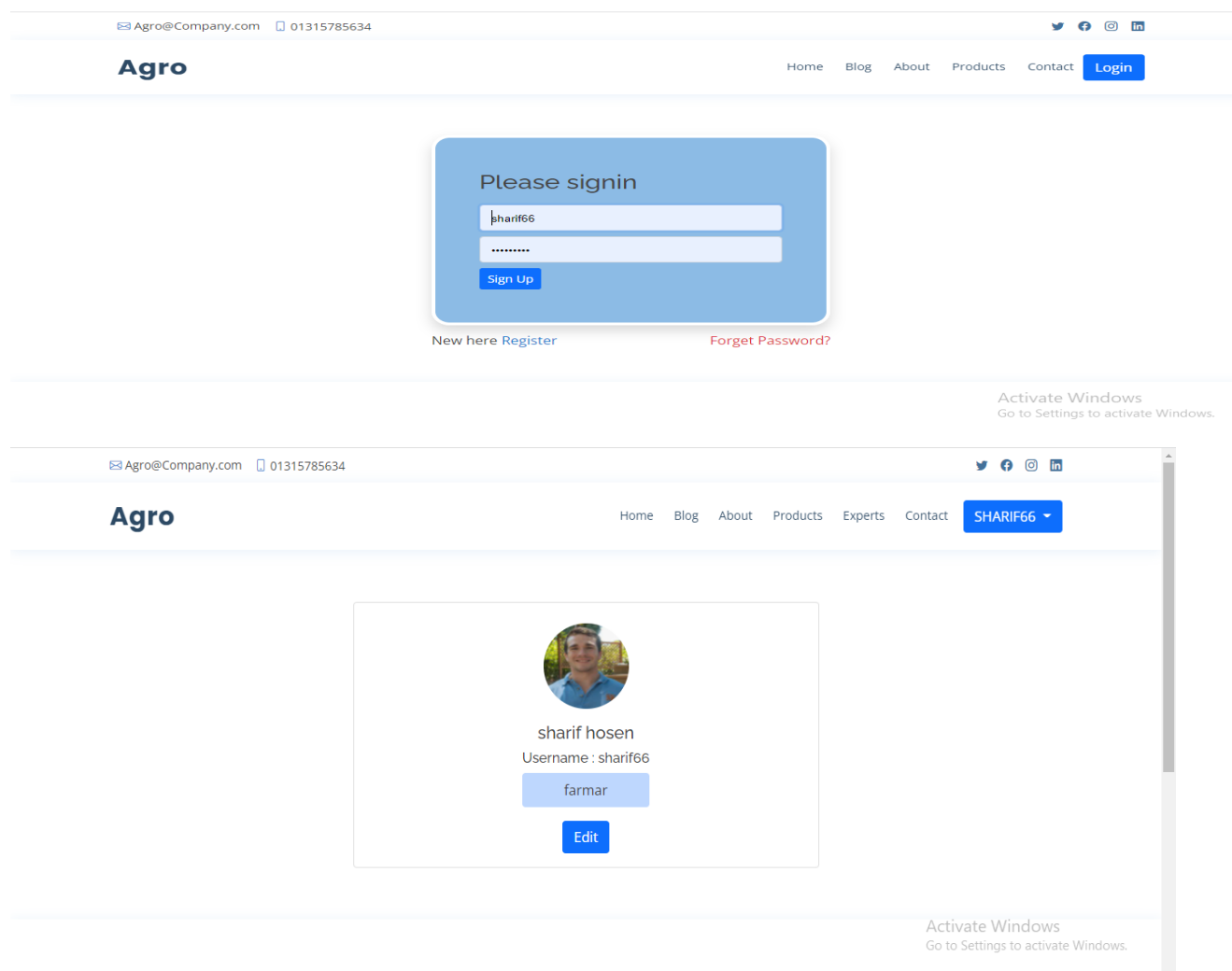


Figure 105:Module test-2

11.4Integrating Testing:

Test case number	Integrating Testing1			
Test type	Login form			
objectives	Successfully login			
Test Steps	Task description	Expected Results	Actual Results	Comments

admin login	Login successfully	is	Admin login Username: admin Password: *	message shows “Successfully login”.	As expected.
-------------	--------------------	----	---	--	--------------

Table 11: Integration test case 1

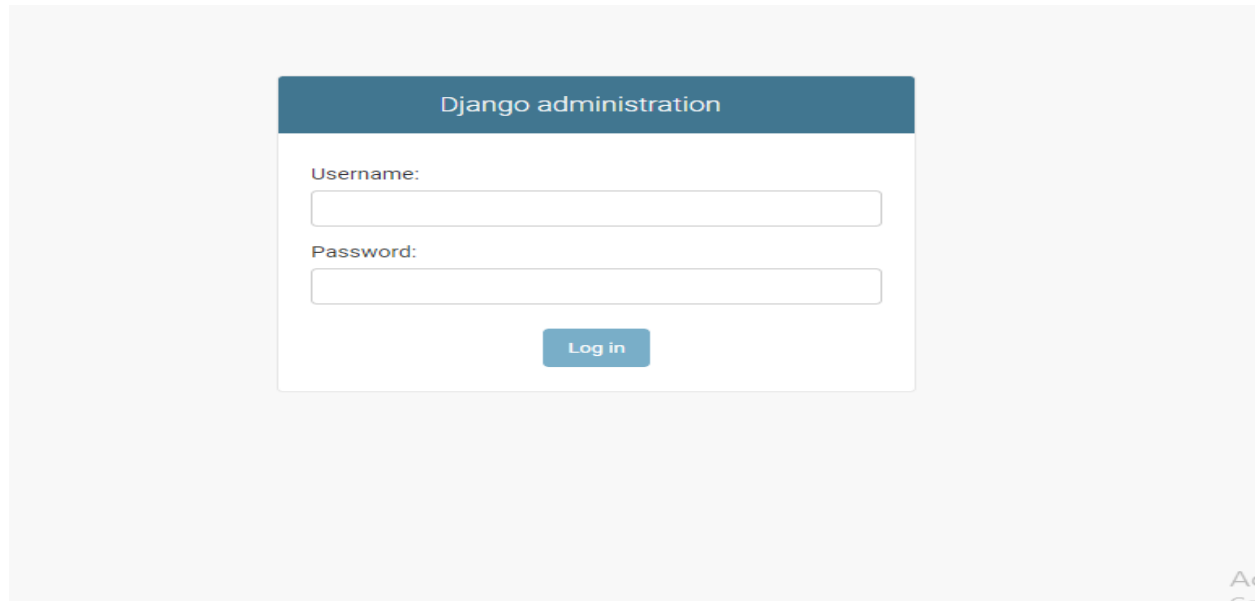
Actual result :

Figure 106: actual result integrating testing 1

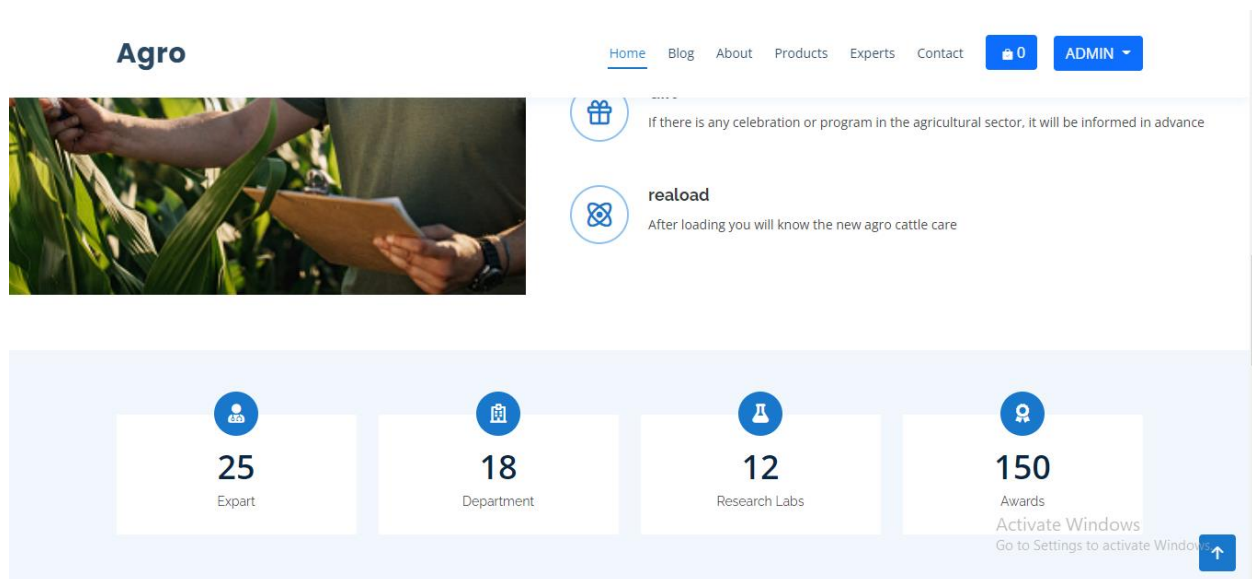


Figure 107: actual result integrating testing 2

11.4.1 Integrating testing:

Test case number	Integrating Testing2			
Test type	Delete user			
objectives	Successfully delete			
Test Steps	Task description	Expected Results	Actual Results	Comments
User portal	Delete is successfully	User delete	message shows “Successfully delete user”.	As expected.

Table 12: Integration test case 2

Actual result :

Select user to change

ADD USER +

Action: Delete selected users ▼ Go 0 of 18 selected

☐ USER☒ sakib☐ abir☐ sojib☐ annas☐ Dr.khadimul☐ sharif66☐ sharif44☐ arif88☐ dr.faruk☐ sharif56☐ amin123☐ sharif50

Activate Windows

Go to Settings to activate Windows.

Figure 108: actual result integrating testing 3

11.5 Acceptance testing:

Test case number	Acceptance testing 1			
Test type	Search			
objectives	User search product			
Test Steps	Task description	Expected Results	Actual Results	Comments
Check product list	Check find successfully	Users can register only with his personal information	Views product successfully	As expected.

Table 13:Acceptance test case 1

Actual result

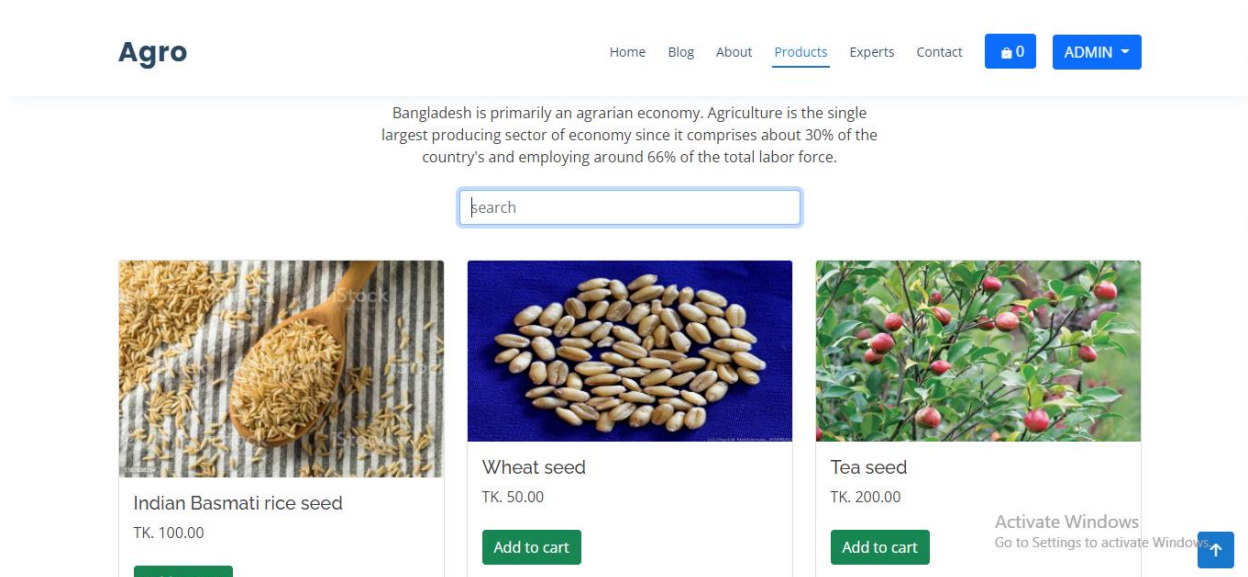


Figure 109:Actual result of Acceptance testing.

11.5.1 Acceptance testing

Test case number	Acceptance testing 2			
Test type	Views order history			
objectives	User can views and download order history .			
Test Steps	Task description	Expected Results	Actual Results	Comments
Order history views and download by user.	Views order history.	Users can views and download order history.	User can see the order history and can download order history .	As expected.

Table 14:Acceptance test case 2

Actual result:

 Agro@Company.com
  01315785634






Agro

[Home](#)
[Blog](#)
[About](#)
[Products](#)
[Experts](#)
[Contact](#)

SHARIF66 ▾

Order History

Name	Transaction Id	Order Date	Report
sharif66	sggdttryhbvv	Nov. 9, 2021, 2:51 a.m.	Download
sharif66	dfvjbjn;kmcvbnj	Nov. 9, 2021, 3:38 a.m.	Download
sharif66	zvhgkcajhzdvhlsid	Nov. 9, 2021, 3:42 a.m.	Download
sharif66	sggdttryhbvv	Nov. 9, 2021, 3:48 a.m.	Download
sharif66	dhgighjghghghg	Nov. 9, 2021, 3:52 a.m.	Download
sharif66	mmhdcgdhghg	Nov. 9, 2021, 4:40 a.m.	Download

Figure 110:Actual result of Acceptance testing.

11.6 Performance Testing:

Test case number	Performance Testing			
Test type	Different browser run			
objectives	Run successfully .			
Test Steps	Task description	Expected Results	Actual Results	Comments
Customer	The system run will be different browser.	Customer can run the system chrome browser.	System run chrome browser.	As expected.

Table 15:performance test case 1

Actual result:

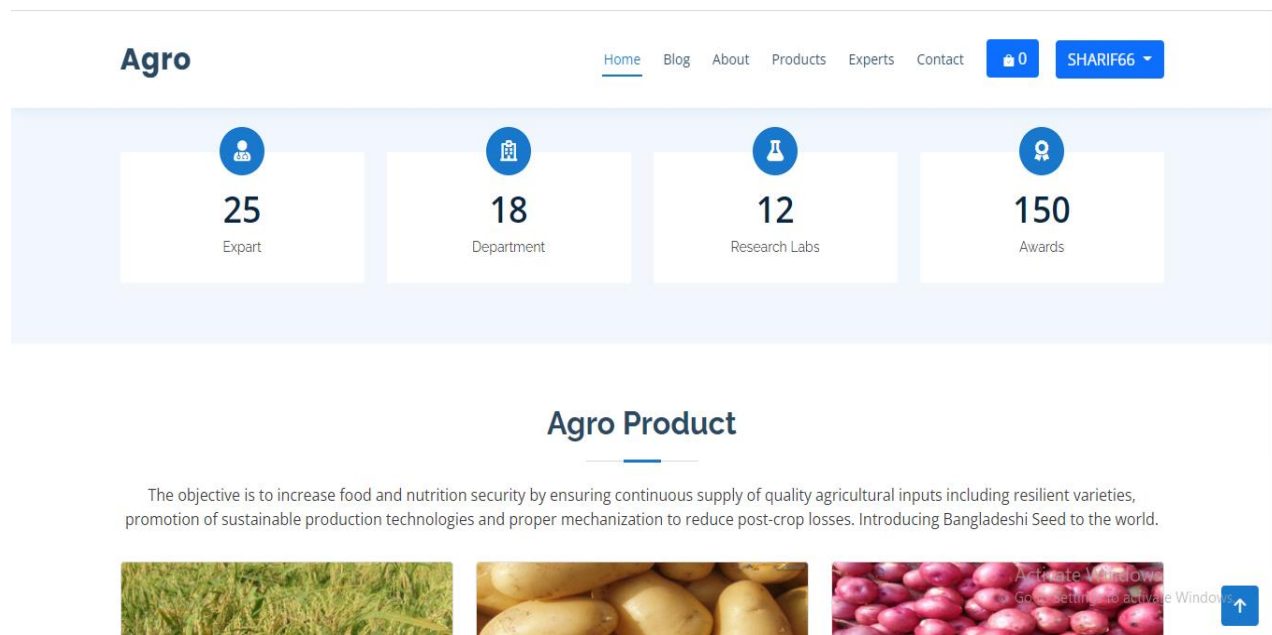


Figure 111:Actual result Performance Testing

11.7 Security Testing:

Test case number	Security testing			
Test type	User validation			
objectives	Login when user registration			
Test Steps	Task description	Expected Results	Actual Results	Comments
Customer	Register user just login	Users are not valid unless they are registered	Shows message " correct username and password "	As expected.

Table 16:security test case 1

Actual result :

Agro@Company.com 01315785634

Agro

Home Blog About Products Contact Login

Please signin

Username

Password

Sign Up

New here [Register](#) [Forget Password?](#)

Figure 112:Actual result security testing.

11.8 Accessibility Testing:

Test case number	Accessibility Testing			
Test type	Acton button testing			
objectives	Run successfully			
Test Steps	Task description	Expected Results	Actual Results	Comments
Customer	Button color blind	The customer can see blog and easily comment .	You can comment by clicking the color button	As expected.

Table 17: Accessibility Test case 1

Actual result:

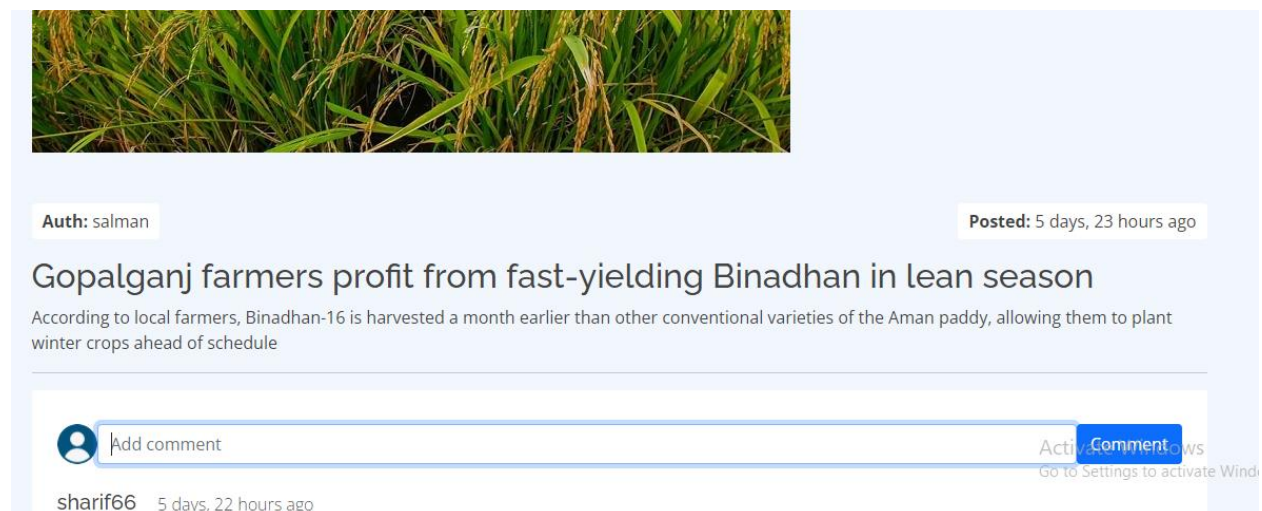


Figure 113: Actual result security testing.

11.9 Usability testing:

Test case number	Usability testing			
Test type	Blog notice			
objectives	Update and delete blog			
Test Steps	Task description	Expected Results	Actual Results	Comments
Admin	Update and delete blog .	Admin can be update and delete blog.	As expected	As expected.

Table 18:usability test case

Actual result:

Select blog to change ADD BLOG +

Action: Delete selected blogs ▾ Go 0 of 6 selected

☐	TITLE	AUTHOR
☐	Flood damages crops worth 49.94C in Rangpur region	sharif44
☐	Gopalganj farmers profit from fast-yielding Binadhan in lean season	salman
☐	Rangpur region to produce 63,661 tons of wheat	admin
☐	Bangladeshis adapt floating farms, salt-resistant...	admin
☐	Can seeds planted by drones spawn new forests?	admin
☐	The DAE had fixed a target of producing over 407,101 tons of summer vegetables from 22,030 hectares of land for all five districts in the Rangpur agriculture region during the last Kharif-1 season	admin

6 blogs

Activate Windows
Go to Settings to activate Windows.

Figure 114:Actual result Usability testing.

CHAPTER 12 – IMPLEMENTATION

Training

Big Bang

Scaling

Load Balancing

12.1 Training

I think training is the most important thing for training end-users and employees to maintain new arrangements. This is how I train employees and users of this web application

Training name	Description
Information maintenance	I think only through training will the system get the idea of being managed by the user and the employee.
Access system	How users access employee information and how they maintain it.

Big bang:

The Big Bang is a method of implementation that allows an individual to apply the entire system to all modules. Systems are generally reduced in cost

Scaling:

We know that scaling is a method used to implement, test, improve, and support. And I use this method in my system.

Load balancing:

Load balancing is a way of allocating system traffic to different servers. It does not accept any single server. If the application process is improved by fair distribution. We know that current websites cannot function without load balancing. Programming load balancing is the essence of my project, and I use this method.

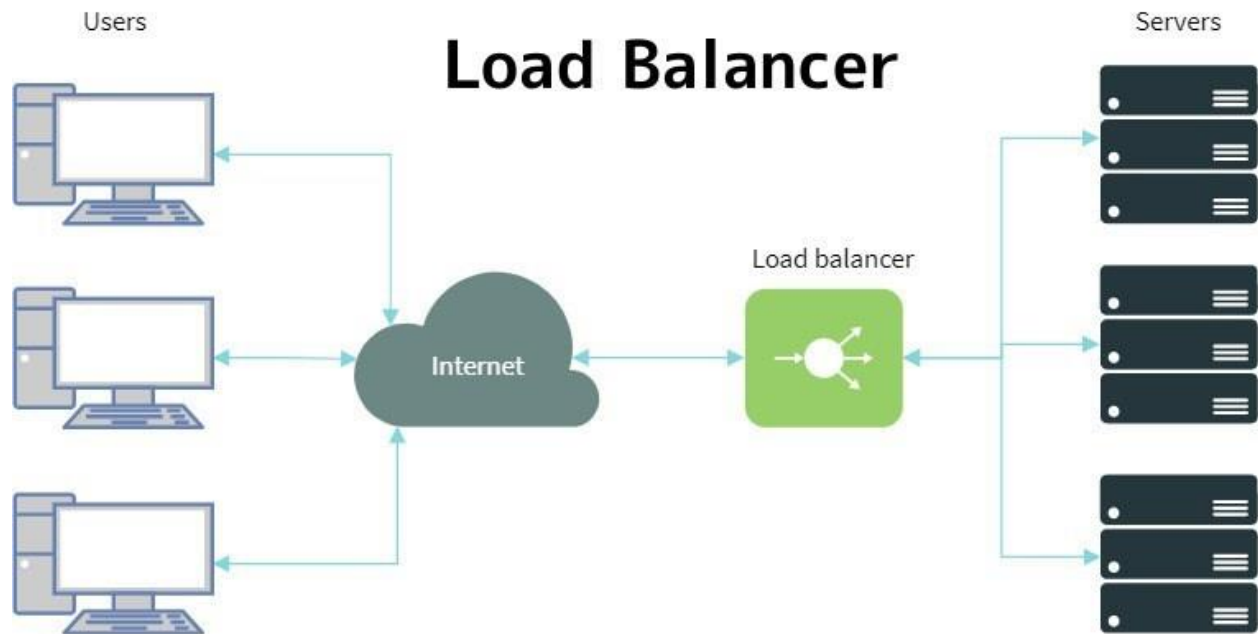


Figure 115:Load balancer .

CHAPTER 13 – CRITICAL APPRAISAL AND EVALUATION

OBJECTIVE MET-

- **Success rate against each objective**
- **How much better could have been done**
- **How better is the features of the solution**
- **Which features could not be touched**

13.1 Objective met

There are some goals in this structure. A portion of the system's objectives to make this project a success, outlined below,

Must-Do: Academic goals include:

- The project execution according to the project documentation we know the structure method was used in the implementation of this project.
- Practical research has been done properly for analysis for the system
- Properly styled details have been found.

Business object:

Must have all high quality speech.

Provide a response system;

Provide a system for question selection;

Customer can buy products from here.

Personal object:

The requirements and practicality of the system are well matured.

insert an error-free project.

thorough documentation.

All user requirements will be met.

13.1.2 One -educational objectives:

I chose the DSDM method to create this project. This helps determine the success of each component of the system. There are also some disadvantages, each of which are mentioned below: The reasons for influencing the success are: I have chosen this method in DSDM to implement this project.

We can call it an e-commerce project, from now on Bangladeshi farmers will be able to buy agricultural seeds. And there is very little time to create the project. And in this case, the DSDM

method makes it easy to create projects in time. If a change needs to be made, it is a good idea to try to include the previous level.

Problem faced:

All techniques have some flaws and DSDM has a deadline. When the developer is only one person, it is difficult to complete the project on time.

the features of the solution

Each task must be completed on time, and production times must be set to ensure that the project is completed properly. Then it will be possible to do the job on time.

14.1.3 Documentation value:

Since this is an E-commerce project, documentation is the most important aspect of this project. So it can be said that the project is useless without documentation.

Success factors:

Since it is an e-commerce project, from where one can buy the product and the farmer can get advice on agriculture and livestock from here, so and of course there must be documentation. The documentation contains some chapters for construction. There are many ways to create definitions and documentation. Here I have no help from the internet so, for which I have given reference.

Problem faced:

When I was writing this project, I had a lot of problems, one was Chapter 5 and the other was Chapter 7, and I was having a little trouble drawing diagrams and pictures.

Features of the Solution:

I research those problems to solve those problems, and I solve those errors. I am drawing diagrams with the help of-----GHB and -----Microsoft Visio, Lucichart, Microsoft word.

13.1.4Three –feasibility’s space-

In order to understand the economic environment and the social environment of any project, a feasibility study is required.

Among the factors that affect success are: devices and economics, socially legal issues, and technological feasibility. In addition to project cost advantage analysis, other feasibility analysis needs to be completed in order to achieve product system success.

Problem: When it comes to the problem, I have a problem with the device and the budget and the cost advantage of the project. As a result, there are some new user requirements.

Solution: To solve this problem, the amount of budget that is needed needs to be controlled from a separate source of technology.

13.1.5-Info style properly:

This project is an online-primary framework. Who's a login process and. There are different user styles. Information format needs to be modified.

Reasons for success: This system has different types of users and each user will be able to interact with the system. You can buy the product from now on. As a result, I execute data correctly and once I generate system data correctly and additionally perform all tasks correctly.

Problem: Communicates information with the machine in any way.

The solution is as follows:

Let's focus on this problem and identify the problem and solve it properly.

13.1.6Business Objectives

Business Objectives in this method, several business goals are given in the planned system, along with the objective preferences of the people, which need to be implemented properly.

Areas of Success: I developed the market needs, features, functions correctly, I am checking the requirements of all the devices, each of which works properly.

Downside space:

There are a few errors in this method such as registration, another disadvantage is information and savings management.

Manner of the solution:

Managing data on a server is prohibitively expensive, which is why I work on the YouTube connection system, research registration, to fix those errors.

CHAPTER 14 – CONCLUSION

Summary of the project

The goal of the project

My experience

14.1 Summary of the project:

This is the last chapter of my project documentation. Here I have summarized my total work, such as - summary, main goal, my experience, project value, etc.

By following this task, I can say for sure that all the requirements of the project have been met and all the work of the project has been carried out properly. I have applied for 6 months for the project. Work. I have already done preparatory work for the project, which includes collecting input from the work of key partners. Systems and Research Area

Reconciliation with the unit has been completed. And this work was removed by the system engineering component. Here is the kind of software

In the system design style, diagrams, using completely different methods, the literature is researched and compared to all the existing systems. I guess the documentation follows and analyzes all aspects of the project.

All the advice in the field of agriculture and animal husbandry. The system needs to be implemented so that different products can be bought by everyone in the world.

14.2 Goal of the project:

Users around the world can access this site and take different services from Poison. To use any program, the user must first register with the system and then sign in. They will be able to know their details through their profile, this site is for people who can't go ahead in agriculture without good advice, can't store good seeds, and can't get good animal treatment, diagnostic problems. I think users will undoubtedly get services from this location.

14.2.1 Success of project:

For this project, I first created a project plan that outlines the project's priorities and objectives. In conclusion, I will say that I have completed these works, and what the purpose of the project is. All goals were achieved, now users can use it as soon as possible. This project is successful because all the goals have been met and the goals of the project have been met.

14.2.2 Description documentation:

In this documentation, I am completing all the work. We know that many requirements and roles have been met in project planning. Which I will describe briefly. Here you can find suitable diagrams, evaluations, maps, techniques, and setups. Here you can find all the details related to the project which are well described. And one of the most important aspects of this project is the documentation.

14.2.3 Value of the project:

People all over the world are now becoming dependent on computers and technology. People nowadays do all their work from shopping on their laptops, such as their computers, smartphones, and other handheld devices. People want to do all their work from home. People do different things online in today's digital world. And for proper access and use, the device must be user-friendly. It is being developed to give farmers proper access. You will be able to buy products and exchange messages through the device.

14.3My experience:

I was able to finish my project. A goal of the project comes, where foreign farmers can access the system. And be able to buy products, and exchange messages with experts. Here pharmacists and agronomists, veterinarians, can register. And the admin will manage his work. And farmers will be able to meet their needs one and a half times. Since the whole system has been implemented in a structured manner and meets all the established features, this project is a success.

I'm going to be relying on a lot of teenagers after I finish this project. I learn about project planning, system analysis, and system comparison, as well as new features and functions. Python, JavaScript, and jQuery have all taught me a lot. I also learn about project documentation, DSDSM architecture, time constraints, system security, and how to meet user needs in real-time with the system. It's all a great experience for me.

APPENDIX:

Unit test no:1		Test case: Blog	Designed BY: Sharif Hosen	
Data source: Blog Entry		Objective: Write a Blog	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.1	A none authentication User cannot write blog	• Write: blog • Title: Flood damages crops worth 49.94C • Content: he recent flood has damaged standing crops on 4,472 hectares of land causing • Image • Author :other	Blog written and the whole blog is on views	Successfully save the blog.

Table 19:Unit test 1 test case

Flood damages crops worth 49.94C in Rangpur region

Title: Flood damages crops worth 49.94C in Rangp

Details:

he recent flood has damaged standing crops on 4,472 hectares of land causing production losses of 25,461 tons of various crops worth Tk49.94 crore this season in Rangpur agriculture region.

"The flood affected 148,094 farmers of three districts by damaging the standing crops in the region," Agriculturist Bidhu Bhusan Ray, additional director of the Department of Agricultural Extension (DAE) of Rangpur region, told BSS on Wednesday.

Image:

Currently: blog/untitled-40-1602592585646.jpg

Change: No file chosen

Author:

sharif44  

Delete

Save and add another

Save and continue editing

SAVE

Activate Windows
Go to Settings to activate Windows.

Figure 116:unit test 1 result

✓ The blog "Flood damages crops worth 49.94C" was added successfully.

Select blog to change ADD BLOG +

Action: Go 0 of 8 selected

☐	TITLE	AUTHOR
☐	Flood damages crops worth 49.94C	Aminur
☐	hghghjgjh	Aminur
☐	Flood damages crops worth 49.94C in Rangpur region	sharif44
☐	Gopalganj farmers profit from fast-yielding Binadhan in lean season	salman
☐	Rangpur region to produce 63,661 tons of wheat	admin
☐	Bangladeshis adapt floating farms, salt-resistant...	admin
☐	Can seeds planted by drones spawn new forests?	admin
☐	The DAE had fixed a target of producing over 407,101 tons of summer vegetables from 22,030 hectares of land for all five districts in the Rangpur agriculture region during the last Kharif-1 season	admin

8 blogs

Activate Windows
Go to Settings to activate Windows.

Figure 117:unit test 1 result

Unit test no:2		Test case: add cart product		Designed BY: Sharif Hosen	
Data source: add cart Entry		Objective: add card product		Tester: Sharif Hosen	
Test Case	Description	Tasks		Expected result	Actual Result
1.2	Add card user.	Name: Wheat seed Quantity: 2 kg Price: 100		Product add views and add cart user	Successfully selected.

Table 20:unit test 2 test case

Agro Home Blog About Products Experts Contact 1 SHARIF66

search



Indian Basmati rice seed
TK. 100.00
[Add to cart](#)



Wheat seed
TK. 50.00
[Add to cart](#)



Tea seed
TK. 200.00
[Add to cart](#)

Activate Windows
Go to Settings to activate Windows

Agro Home Blog About Products Experts Contact 2 SHARIF66

Image	Name	Quantity	Price	Total	Action
	Wheat seed	- 2 +	50.00	100.00	×

[← Continue Shopping](#)

Order Summary
Total Qnt (2) 100.00

Activate Windows

Figure 118:unit test 2 result

Unit test no:2		Test case: order	Designed BY: Sharif Hosen	
Data source: oder Entry		Objective: order	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.2	Order by user.	Total cost: 100 Tax:15	Order product by user	Successfully Checkout.

Table 21:unit test 3 test case

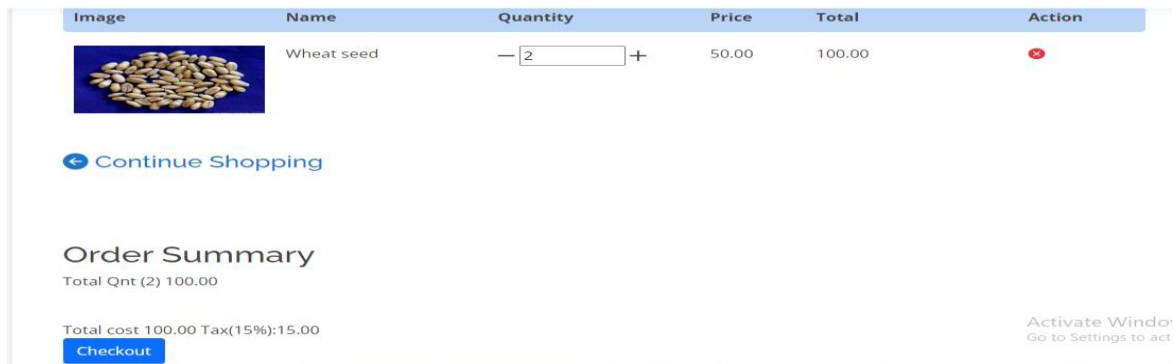


Figure 119:unit test 3 result

Integration tests:

Integration test no:2		Test case: Transection	Designed BY: Sharif Hosen	
Data source: Transection Entry		Objective: permeant on paying	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.3	Pay for the create payment gat way.	• Create two bkaash/nogot and some one • Pay for one • Try pay for another .	Payment complete with massage .	Pay for .

Table 22: Integration test 1 test case

Agro@Company.com 01315785634		Twitter Facebook Instagram LinkedIn		
Agro		Home Blog About Products Experts Contact	SHARIF66	
Name	Transaction Id	Order Date	Report	
sharif66	sggdttryhbvv	Nov. 9, 2021, 2:51 a.m.	Download	
sharif66	dfv jbjn;kmcvbjnj	Nov. 9, 2021, 3:38 a.m.	Download	
sharif66	zvhgkca jhzdvbhlid	Nov. 9, 2021, 3:42 a.m.	Download	
sharif66	sggdttryhbvv	Nov. 9, 2021, 3:48 a.m.	Download	
sharif66	dhgijghjghghghg	Nov. 9, 2021, 3:52 a.m.	Download	
sharif66	mmmhdcgdhghg	Nov. 9, 2021, 4:40 a.m.	Download	
sharif66	qgdvghvvh	Nov. 9, 2021, 4:51 a.m.	Download	

Figure 120: integration test result

Integration test no:3		Test case: Transection	Designed BY: Sharif Hosen	
Data source: Transection Entry		Objective: generate PDF invoice	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.2	Pay for the create	- Pay for bkash - Download PDF form details page	PDF download	Dynamic PDF generate and download it .

Table 23: Integration test 2 test case

Invoice Tue 09 Nov 2021				
Username	Transaction Id	Quantity	Total	Date of Created
sharif66	hdfhgkhsdf	6	600.00	Nov. 9, 2021, 7:33 a.m.
	Tax:	15%	90.00	
Grand Total:			690.00	

Figure 121: Integration test result

Black box testing:

Black no:1		Test case: user profile	Designed BY: Sharif Hosen	
Data source: User entry		Objective: sing up user	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.1	Sign up new user	- Go to new form - Registration form properly	User registrar successfully massage	Registration success massage shown

Table 24:Black box test 1 test case

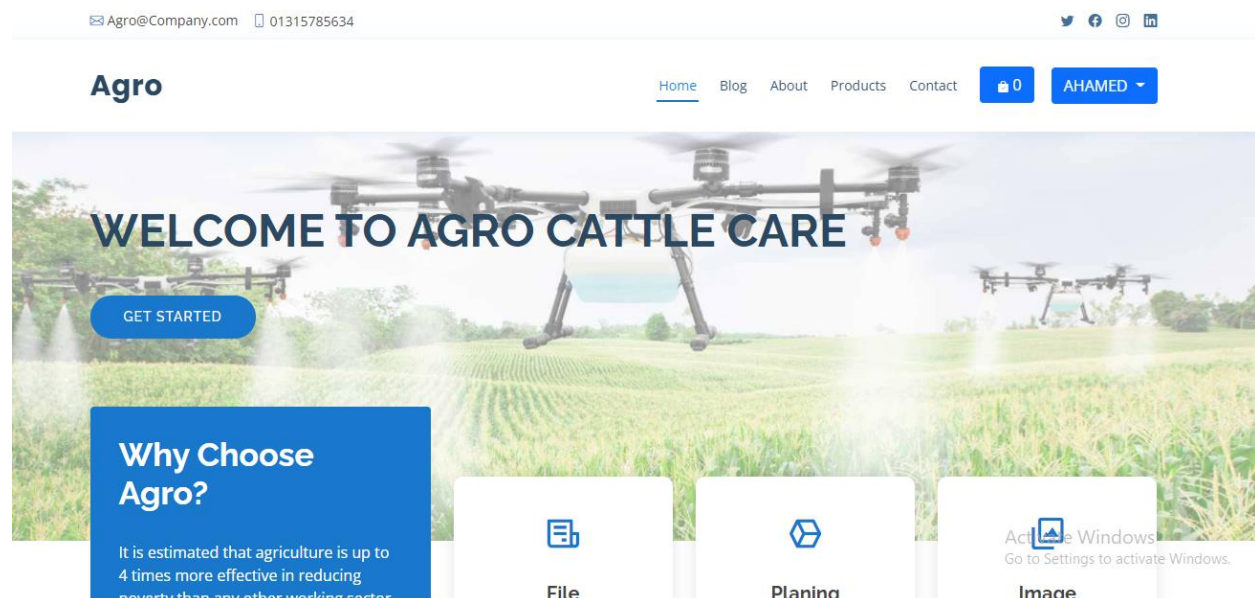


Figure 122:Black box test result

Black box test no:2		Test case: Blog	Designed BY: Sharif Hosen	
Data source: Blog entry		Objective: Write Blog	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.2	Write blog	- Go to written from blog page - Submit the from.	New written blog details	Blog details shown

Table 25:Block box test 2 test case

Agro@Company.com 01315785634

Home Blog About Products Contact AHAMED

Check our Blogs

You can see all kinds of blogs from here.



Author: admin Posted: 2 weeks, 2 days ago

The DAE had fixed a target of producing over 407,101 tons of summer vegetables from 22,030 hectares of land for all six districts in the Dae...



Author: admin Posted: 1 week ago

Can seeds planted by drones spawn new forests? Traditional reforestation methods are slow and costly b...



Author: admin Posted: 1 week ago

Bangladeshis adapt floating farms, salt-resistant... BANGLADESHTHU, OCT 28 2021 Farmers desperately try to ...

Add blog

Title:

Details:

Image: No file chosen

Author:  

Go to Settings to activate Windows.

Figure 123:black box test result

Black box test no:3		Test case: Add product	Designed BY: Sharif Hosen	
Data source: add entry		Objective: add product	Tester: Sharif Hosen	
Test Case	Description	Tasks	Expected result	Actual Result
1.3	Add product	- Product name - Product price - Product details	New product add	Product add successfully.

Table 26:black Box test 2 test case

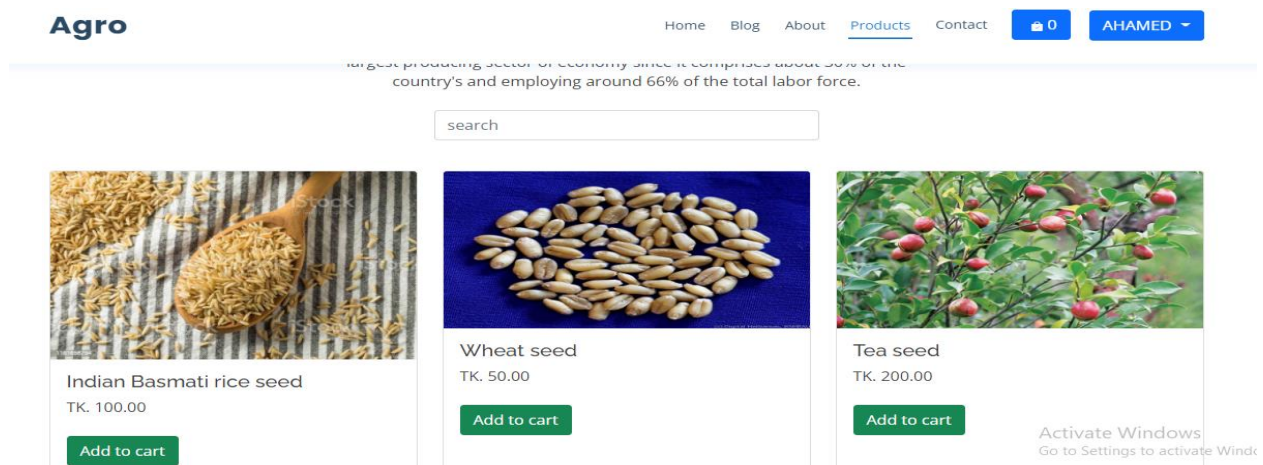


Figure 124:black box test 3 result

Add product

Name:

Price:

Pic: Jute seed.jpg

Activate Windows
Go to Settings to activate Windows.

Figure 126:125:black box test 4 result

Invoice Nov. 9, 2021, 7:42 a.m. 1 / 1 100% +

Invoice Tue 09 Nov 2021

Username	Transaction Id	Quantity	Total	Date of Created
shariff66	xfghmjhjg	1	50.00	Nov. 9, 2021, 7:42 a.m.
	Tax:	15%	7.50	
Grand Total:			57.00	

Activate Windows
Go to Settings to activate Windows.

Figure 127:125:black box test 4 result

User Guide:

order to use “Agro cattle care “website a User Must Flowing the steps:

User Profile:

1. The user registration form the page.
2. Fill-out the form properly.
3. user type Choose.
4. Submit form to the server.
5. Update go to profile page.
6. Change and choose user profile picture.
7. Press submit button.

Blog writing and other operations:

1. Write blog form page
2. Fill-out the blog form properly
3. Submit the form the server
4. See it on the blog list
5. Go to the blog detail
6. Admin blog edit and delete, update
7. Delete the blog press delete button and confirm the delete blog.

Comment on a blog operation:

- 1.detail of a blog.

2. write comment in the comment section
3. press submit button
4. if comment owner delete button will appear

Product add operation:

1. Admin add product
2. Admin product add, delete, update
3. write production, title, price quantity
4. go to the product details.
5. see the product list.
6. delete the product delete button for admin

Product Dynamic Search:

1. got to product list select.
2. Click the search Button

Product order:

1. Select product add cart
2. Select quantity and click button checkout
3. Approved order confirms
4. Cancel order
5. Address add, number, transaction
6. Delete order admin.
7. Submit form the server.
8. Show the order history
9. Order detail show.
10. Confirm order.

Print PDF invoice:

1. Create a bkaash
2. Choose descried bkaash and nogot
3. Press the checkout payment button detail view page
4. Press fill-out the payment form with desired information
5. Press submit
6. Form bkaash detail page press the report button for the PDF invoice download.

7. Invoice will be downloading.

Expert message:

1. Find out expert's message often
2. SMS button click
3. Create message
4. Select the picture problem
5. Click send button.
6. Reply message.
7. Seen message.
8. Admin delete message

Subscribe:

1. Create email
2. Write the email click subscribe button
3. Admin delete email .

System code:

- 1.Product views:

```
def productview(request):
    products = Product.objects.all()
    if request.user.is_authenticated:
        customer = request.user
        order, created = Order.objects.get_or_create(
            customer=customer, complete=False)
    else:
        order = {'get_cart_items': 0, 'get_cart_total': 0}

    if request.POST:
        search = request.POST['search']
        products = Product.objects.filter(name__contains=search)

    context = {'order': order, 'products': products}
    return render(request, 'products.html', context)
```

2.Add cart

```
def cart_summery(request):
    if request.user.is_authenticated:
        customer = request.user
        order, created = Order.objects.get_or_create(
            customer=customer, complete=False)
        items = order.orderitem_set.all()
    else:
        items = []
        order = {'get_cart_items': 0, 'get_cart_total': 0}

    context = {'items': items, 'order': order}
    return render(request, 'cart/cart.html', context)
```

3.Checkout

```
def checkout(request):
    if request.user.is_authenticated:
        customer = request.user
        order, created = Order.objects.get_or_create(
            customer=customer, complete=False)
        items = order.orderitem_set.all()

    else:
        items = []
        order = {'get_cart_items': 0, 'get_cart_total': 0}

    context = {'items': items, 'order': order}
    return render(request, 'cart/checkout.html', context)
```

4.Update Item

```
def updateItem(request):
    data = json.loads(request.body)
    productId = data['productId']
    action = data['action']

    print('Product Id: ', productId)
    print('Action: ', action)

    customer = request.user
    product = Product.objects.get(id=productId)

    order, created = Order.objects.get_or_create(
        customer=customer, complete=False)
    # order = Order.objects.create(
    #     customer=customer, complete=False)

    orderItem, created = OrderItem.objects.get_or_create(
        order=order, product=product)
```

```
orderItem, created = OrderItem.objects.get_or_create(
    order=order, product=product)

if action == 'add':
    orderItem.quantity = (orderItem.quantity + 1)
elif action == 'remove':
    orderItem.quantity = (orderItem.quantity - 1)
elif action == 'remove_item':
    orderItem.quantity = 0

orderItem.save()

if orderItem.quantity <= 0:
    orderItem.delete()
return JsonResponse('Item Was Added.', safe=False)
```

5.Update order

```
def updateOrder(request):
    if request.method == 'POST':
        print(request.POST['total'])
        print(request.POST['quantity'])

        customer = request.user
        order = Order.objects.get(
            customer=customer, complete=False)
        order.total = request.POST['total']

        order.tax = request.POST['tax']
        order.gtotal = int(float(request.POST['tax'])) + int(float(request.POST['total']))
        order.quantity = request.POST['quantity']
        order.save()
        return redirect('checkout')
```

6.order process.

```
def processOrder(request):
    if request.user.is_authenticated:
        if request.method == 'POST':
            tr_id = request.POST['tr_id']

            customer = request.user
            order = Order.objects.get(
                customer=customer, complete=False)

            order.transaction_id = tr_id
            order.save()

            ac_name = request.POST['ac_name']
            ac_number = request.POST['ac_number']
            address = request.POST['address']
            Payment.objects.create(ac_name=ac_name, ac_number=ac_number, tr_id=tr_id)

            ShippingAddress.objects.create(
                customer=customer,
                order=order,
                address=address

            return redirect('purchase_history')
```

7.Purchase history.

```
def purchase_history(request):
    user = request.user
    order = Order.objects.filter(customer=user, complete=True)
    orderItem = OrderItem.objects.all()

    if request.GET:
        id = request.GET['order_id']
        orders = Order.objects.get(id=id)
        orders.cancel = True
        orders.save()

    context = {
        'items': orderItem,
        'order': order
    }
    print(context)
    return render(request, 'cart/purchase.html', context)
```

8.blog comment

```
def comments(request):
    if request.method == 'POST':
        blog = request.POST['blog']
        comment = request.POST['comment']
        Comments.objects.create(
            blog_id=blog, comment=comment, commenter_id=request.user.id)
        return redirect('blog-details', blog)

    return HttpResponse('It Not Working')
```

9.contract admin

```
def contact(request):
    if request.method == 'POST':
        email = request.POST['email']
        subject = request.POST['subject']
        message = request.POST['message']
        send_mail(subject, message,
            email, ['test@gmail.com'], fail_silently=False)

        return render(request, 'contact.html', {'message': "Mail Sent Successfully"})

    return render(request, 'contact.html')
```

10.Suscriber

```
def subscriber(request):

    if request.method == 'POST':
        email = request.POST['subscriber']
        Subscriber.objects.create(email=email)

    return redirect('home')
```

11.message farmaer

```
def message_farmer(request, id):
    message = Message.objects.filter(expart=id).filter(farmer=request.user.id)
    expart = User.objects.get(id=id)
    farmer = User.objects.get(id=request.user.id)
    if(request.POST):
        if(request.FILES):
            Message.objects.create(
                expart=expart, farmer=farmer, image=request.FILES['image'], message=request.POST[
            else:
                Message.objects.create(
                    expart=expart, farmer=farmer, message=request.POST['message'])
        else:
            Message.objects.filter(
                farmer=request.user.id, expart=id).update(seen=True)

    context = {
        'messages': message,
        'id': id
    }
    return render(request, 'message.html', context)
```

12Message expart

```
def message_expert(request, id):
    farmers = User.objects.filter(
        user_type='FARMAR').filter(is_staff=False)
    far_user = Message.objects.filter(expart=request.user.id)
    message = Message.objects.filter(expart=request.user.id).filter(farmer=id)
    expart = User.objects.get(id=request.user.id)
    farmer = User.objects.get(id=id)
    if(request.POST):
        if(request.FILES):
            Message.objects.create(
                expart=expart, farmer=farmer, image=request.FILES['image'], reply='True', message=
            else:
                Message.objects.create(
                    expart=expart, farmer=farmer, reply='True', message=request.POST['message'])
        else:
            Message.objects.filter(
                farmer=id, expart=request.user.id).update(seen=True)
```

13. invoice PDF donwload

```
def render_to_pdf(template_src, context_dict={}):
    template = get_template(template_src)
    html = template.render(context_dict)
    result = BytesIO()
    pdf = pisa.pisaDocument(BytesIO(html.encode("ISO-8859-1")), result)
    if not pdf.err:
        return HttpResponse(result.getvalue(), content_type='application/pdf')
    return None
```

```
def report(request):
    report = Order.objects.filter(
        complete=True).filter(customer=request.user.id)

    for key in report:
        data = {
            'username': key.customer,
            'transaction_id': key.transaction_id,
            'total':key.total,
            'quantity':key.quantity,
            'tax': key.tax,
            'gtotal': key.gtotal,
            'date': key.date_orderd,
        }

    pdf = render_to_pdf('report_pdf.html', data)
    return HttpResponse(pdf, content_type='application/pdf')
```

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REFERENCES

- kamal.(2021)<http://www.badc.gov.bd/site/notices/5706d473-0e2a-4a93-ab52-41587f2d49c7/%E0%A6%A8%E0%A6%BF%E0%A7%9F%E0%A7%8B%E0%A6%97-%E0%A6%AC%E0%A6%BF%E0%A6%9C%E0%A7%8D%E0%A6%9E%E0%A6%A%E0%A7%8D%E0%A6%A4%E0%A6%BF>. Retrieved from <http://www.badc.gov.bd>: www.badc.gov.bd
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PLAGIARISM REPORT:

