

ONLINE STOCK MANAGEMENT SYSTEM

A Project Submitted in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science & Engineering



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CERTIFICATE

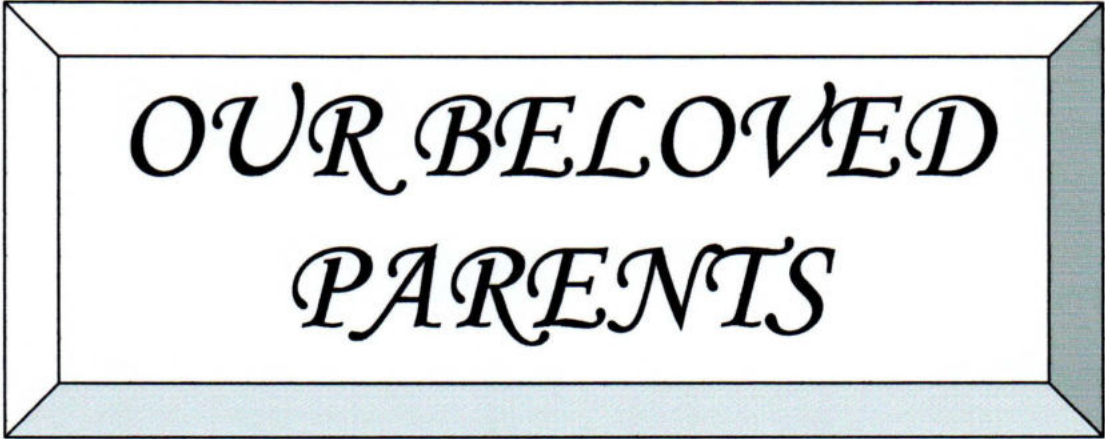
This is certify that the project paper entitled "**ONLINE STOCK MANAGEMENT SYSTEM**" submitted by Md. Meshkatur Rahman Roll No: 0702026 and Razia Sultana Roll No: 0702035, have been carried out under my supervision. This project has been prepared in partial fulfillment of the requirement for the Degree of Bachelor of Science in Computer Science & Engineering.

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December, 2011
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*DEDICATED
TO*



*OUR BELOVED
PARENTS*

Acknowledgement

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We respectfully remember our father and mother who are the source of our inspection. Finally we express our cordial love to all who helps us in various for doing the project.

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Authors

Abstract

The target of our online Stock management system is to deliver the product to different user via online. It can be used via internet in which a user can see the products of stock that are available or not. If the products are available, then they have the opportunity to purchase the product from stock via online. The owner of the stock can easily change in different module of product by using the admin section. The system has been developed by designing appropriate menu in which the users can interact with the system easily. All related data has been analyzed considering data relation, data modeling and normalization of data file Structure using appropriate tools. The system has been designed in response to the concept of system analysis and design. We try our best to keep the system free from errors and inconsistency. The languages that are used to develop the system are HTML, PHP, CSS and Java script. MYSQL database is used to store and process various type of information. At last we can say the highest security is used to handle the data and password to protect the system from unauthorized access.

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CHAPTER 1



1.1 Introduction

Online stock management system is the online based system in which it is possible to purchase any product from the stock from anywhere of the world via internet without the intervention of physical appearance. Our system is very user friendly and simple. A client can easily purchase a product from stock. The system is designed in such a way that a user will never feel bored in our system. Our system is completely error free. In our system if any customer is unable to purchase any product from stock for any reason then he/she can easily cancel transaction and logout from our candidate system. There are three steps in our system that a customer must have to fulfill. Check the availability of the product within the stock; Select the product that he/she want to buy from stock, Pay the amount. We know that a system is a combination of a number of components that are interconnected and interdependent with each other. According to the definition of system our system also contains a number of components.

The salient features of our system are given below:

- A customer can save large amount of time.
- Physical appearance is not needed.
- No need of Traveling cost.

1.2 Objectives of online stock management system

We know that modern age is an age of information and technology. Everyone wants to do everything in a small amount of time. The internet has totally changed our mode of life. All types of information are available here within a single click of mouse. The online services have greatly enhanced and improve our life style, for various cyber agent provide all kinds of services ,which can be selected and ordering from anywhere in the world. Our online stock management system is an open system. Here the customer who wants to purchase product from our stock, he/she just need to visit our website and search the product that are available or not. Finally we can summaries our system as follows,

1. In admin section, the administrator can insert, update, delete product within the stock. The administrator can also see the transaction. There are two options for viewing the transaction. If the administrator enters a specific date, then he/she can view the specific date transaction. If the administrator enters an interval of time, then he/she can view the interval of time .
2. In user section the normal user can only see the product and price. If the user registers with the system then he is considered as special user then he/she has the ability to view the detail information of the product and purchase from the stock.
3. Providing high security.

1.3 Limitation of manual stock management system

- a) Manual stock management system is very time consuming
- b) The cost of taking service is very high in manual stock management because physical appearance is not involved within this system.
- c) Corruption is involved in manual system.
- d) In manual system a customer needed to bargain

1.4 Advantage of our proposed stock management system

- a) Instant services no need of time consuming.
- b) Product can be purchased from anywhere of the world.
- c) A customer no needs to bargain.
- d) No chance of corruption.
- e) Our system is very user friendly.

1.5 Scope of online stock management system

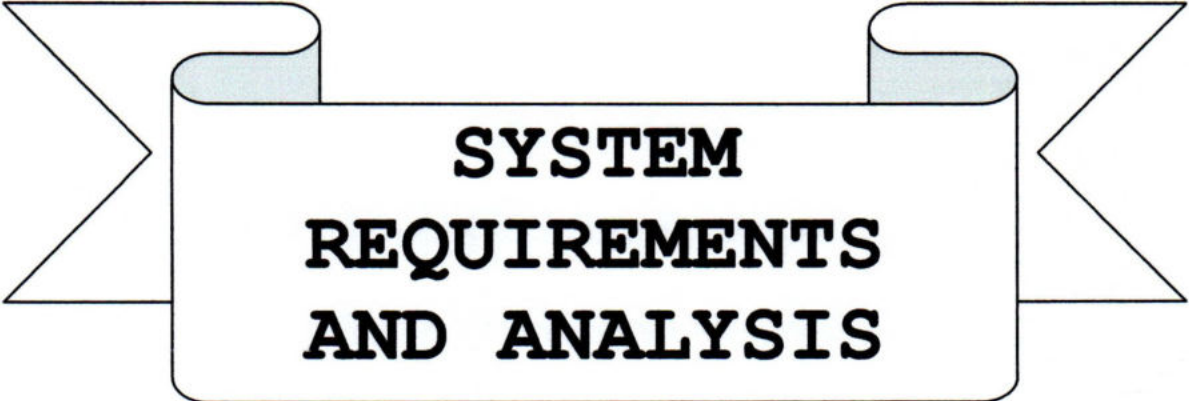
The "Online Stock Management System" software is very efficient and accurate software for the user and the administrator. Here the user can easily purchase product in a very little amount of time. The administrator can view all type of transaction accurately. The system is very secure and trustful.

1.6 Facilities of online stock management system

The stock management system provide a lot of facilities to the administrator of the system and to the users who are interested to purchase product from stock without going to the market. Some facilities are given below:

- a) The administrator can insert, update, delete product from stock by using this system
- b) The administrator can see the sales report daily, weekly, monthly, yearly.
- c) The user can easily purchase product from stock without any extra cost.

CHAPTER 2



SYSTEM REQUIREMENTS AND ANALYSIS

2.1.1 Basic idea of Requirement analysis:

Requirement analysis is the process of specifying the Hardware, Software and other requirement for the system. For a successful completion of a system at first we need to determine what types of requirement are need to design the system. In this chapter we have discussed all types of requirement for the system.

Our software is divided into three sections which are as follows:

1. User section
2. Admin section
3. Third party section.

In the user section the user checks the products availability according to his/her getting information. Here user uses several attributes to find his/her desired products. The user uses some attributes in this project that's given below:

- Category of product
- Product name
- Item no
- Quantity
- Price

After checking availability if there product found, then the user can see details view of available product and can buy that product. For buying a choosing product the user's must have need to fill up some field which are related to personal information and these information are save to the seller. In this case the user gives the information about his /her as follows:

- User name
- Email id
- Password
- Country
- The quantity of product
- Amount of cash
- Then the user can proceed for an expected product and the products will be delivered to his/her address.

The third party section gets the transaction information while the user proceeds after delivering his/her personal information. In this case third party receives the user credit information carefully so that the information will not be revealed to other. The information will be checked by the third party with central database as they are authorized agent. If the given information is valid then it is possible to buy a product. And if the information is not valid then the user will not capable of getting that product. The admin section are control the all agreement with third party .This section is capable of adding new products, updating the product's information, deleting the products from the system, viewing the details transaction reports. For the above operation the admin section has action on:

- Insert products
- Update products
- Delete products
- View the details transaction reports

2.2 Hardware /Software Requirement

2.2.1 Hardware Requirement

The problem will be developed for an IBM pc. The following list of hardware is given judging the present range of hardware available in the local market. The computer must have internet connection:

Name of components	Minimum Requirement	Optimum requirement
Processor and motherboard	300MHZ	Pentium 4
Floppy disk Drive	3.5 Inch	3.5 Inch
Monitor	Any VGA compatible	15 Inch Color monitor
Keyboard	105 key Keyboard	105 key board
Mouse	Any mouse	Any mouse
Hard disk	1.5 GB	20 GB
RAM	512 MB	512 RAM

2.2.2 Software Requirement

The problem was compiled under MS Window XP using Web language PHP 5.1.4, My SQL 5.0.24a and HTML. The user would most probably prefer to keep windows XP as their operating system and also need any browser like any version of Mozilla firefox. The user must need internet connection for collecting product information above: no extra cost would be required.

2.3 User Requirement

The user has to first check the availability of the product which he/she wants to buy through the internet. The system then shows all the available product based on his/her searching criteria. The user has to give some information and pay his/her credit and then the products are sent to the user.

2.3.1 Reliability Requirement

The interfaces of the system should be designed to be clear, simple and easy to use and understand. The system should be reliable to the user.

2.3.2 Safety Requirement

To ensure the safety of the system, Identification facilities must be implemented in order to have different levels of privileges to access the system.

2.3.3 Privacy Requirement

The private information of each individual user in the transaction period is taken through Secured Socket Layer (SSL) so that the information is not revealed to the other. To protect the unauthorized access there should be admin login system.

2.3.4 Performance Requirement

The Stock Management System should be allowed the multiple accesses which mean that user can access the system concurrently and the system can still work correctly and efficiently.

2.4 System Requirement

The requirements of the system can be summarized in the following:

- The system should be fast in retrieving any information when the user wants to get through search.
- The system should be accessible from anywhere by using internet connection.
- The administrator should have capability to add and delete product if required.
- The system should have necessary agreement with transaction agent so that online transaction will be handled easily

2.4.1 Additional Requirement

- The system should be user friendly.
- Easily upgradeable.
- Easily accessible.
- The system should be as much integrated as possible.

2.5 Input Requirement

For the successful processing the administrator has need some information from the user. The information is taken at different stages during different operation.

2.6 Output Requirement

The system provides the confirmation message to the user after completing a transaction. And then the product is sent to the user.

2.6.1 While user check product availability the following information are taken

- Product name
- Item no
- Quantity
- Price

2.6.2 While user wants to buy product following information is needed

- User name
- Email id
- Password
- Country
- The quantity of product
- Amount of cash

2.6.3 While the admin adds a product the following information is must required

- Upload product image
- Product name
- Product category
- Item location
- Product condition
- Seller
- Description
- Quantity
- Price

Then the admin can successfully include a product in the system and everyone can see that product in the internet.

2.7 Processing Requirement

- Performed the addition, delete and update information of the system.
- Performed the monitoring of transaction and stored the information

2.8 Specification

2.8.1 General Specification

As the system the problem is essentially a database problem. So, to enable the system to perform all the processing as soon as the input is given a few principles has to be established.

They are mentioned below:

- After the addition a record to a table, the whole table would be stored.
- All validation would be done as the input in each field is given.
- All updating modules would open the corresponding table and close it within itself.

2.8.2 Validation Routine

The each field of each invocation is checked before proceeding which is made the system more efficient and user friendly.

- Developing a document Prototyping of the system

Appraise the system Prototyping

- Piloting
- Modeling
- Throw away Prototyping
- Evolutionary Prototyping

2.9 Feasibility Study

Feasibility study is the procedure that defines, describes and evaluates the candidate system and selects the best system for the job. The feasibility report of the project holds the advantages and flexibility of the project. This is divided into three sections:

- Technical Feasibility
- Economical Feasibility
- Behavioral Feasibility.

2.9.1 Technical Feasibility

Technical Feasibility is that which centers on the existing computer system (Hardware and Software) whether it can support the addition of proposed system.

Our proposed system is technically feasible because-

- The system supports interactively with the user through GUI.
- The minimum configuration of hardware and software is required those are easy to install and handle the operation through online

2.9.2 Behavioral Feasibility

Behavioral feasibility determines how much effort will go in the proposed information system and in educating and training the user on the new system, along with the new ways of conducting the business. It maintains the equilibrium of the organization. For this reason, our proposed system is behavioral feasible.

2.9.3 Economic Feasibility

A system financial benefit must exceed the cost of developing that system. i.e. a new system being developed should be a good investment for the organization. Economic Feasibility considers the following

- The cost to conduct a full system investigation.
- The cost of hardware and software for the class of application.
- The benefits in the form of reduced cost.
- The cost if nothing changes.

The proposed system is economically feasible because,

- The system requires very less time factors.
- The system will provide fast and efficient automated environment, so It reduces both time and power spent in running the system.
- The system will have GUI interface and no user-training is required to learn it.

CHAPTER 3



3.1 General overview of system design

The purpose of system design is to create a technical solution that satisfies the functional and non functional requirement of the system. The system should be design in such a way that is very flexible to use for both the administrator and the user. The preparation of the environment needed to build the system, the testing of the system and the migration and the preparation of the data that will ultimately be used by the system are equally important. In addition to designing the technical sol-union, system design is the time to initiate focused planning efforts for both the testing and data preparation activates. Our proposed system is dynamic. We have gathered lot of experience from the manual system about how the system works, what are needed to operate the system, what operation are needed to perform, who the user can be benefited by using this system. Our candidate system is a online system in which the user can easily purchase product from anywhere of the world .The administrator section are designed in such a way that the administrator can see all type of transaction. The administrator is also able to insert product, update product, delete product.

3.2 Module design of online stock management system:

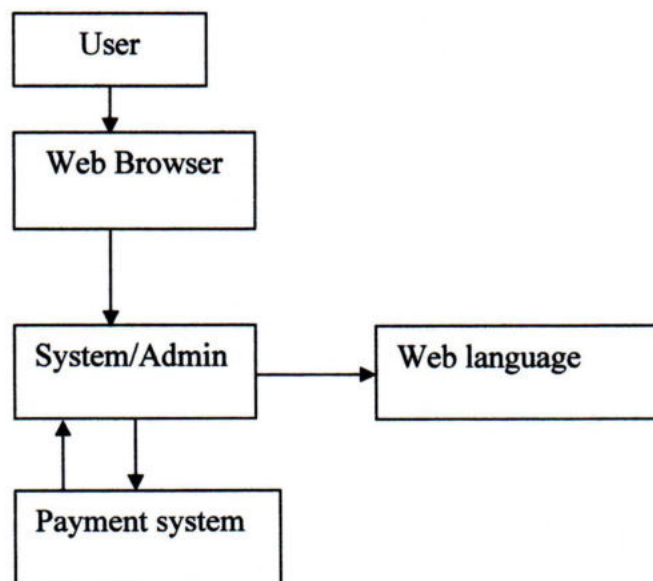


Figure 3.1 Basic module of online stock management system

3.2.1 Module diagram of user

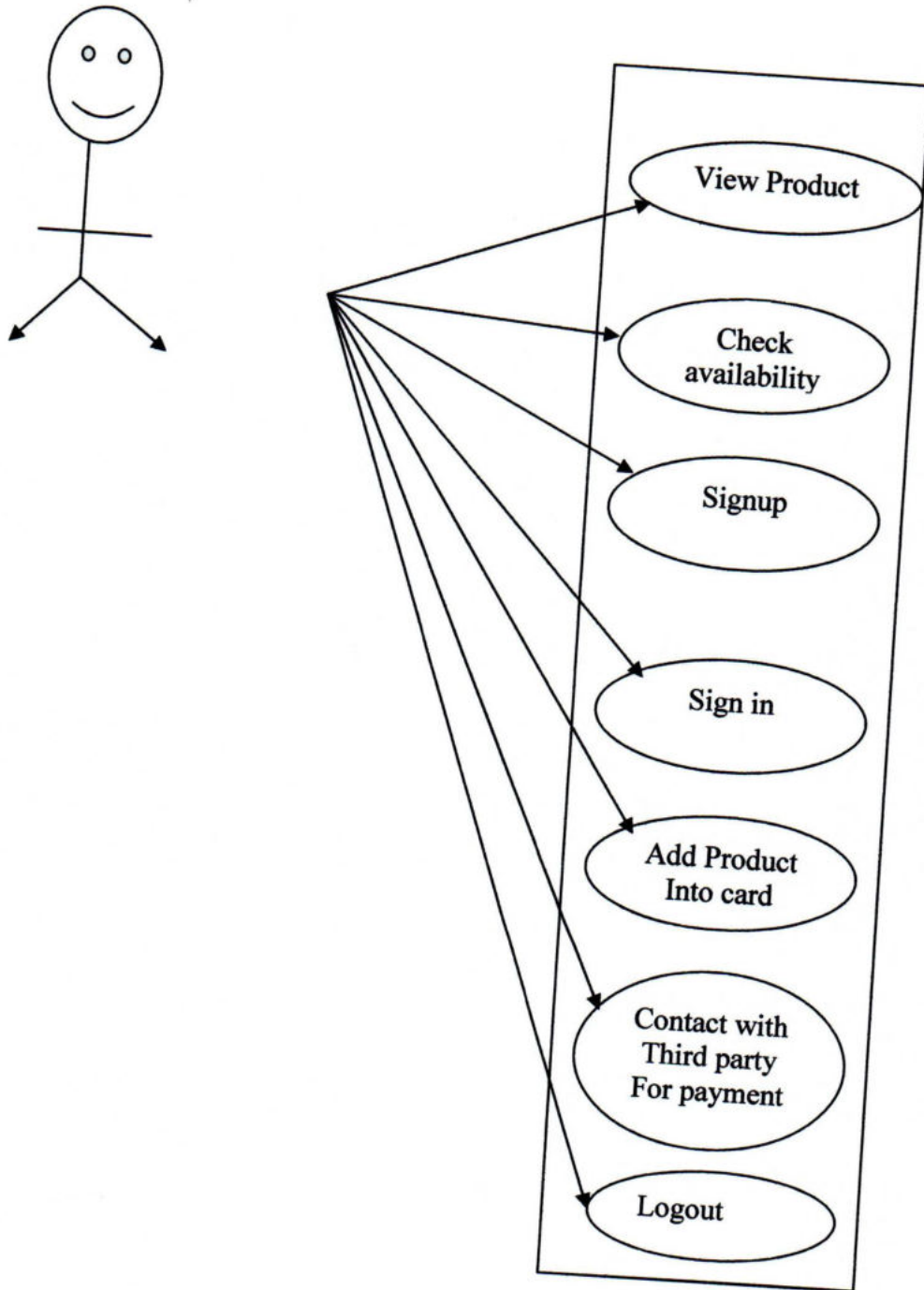


Figure 3.2: Use-case diagram of user

3.2.2 Module diagram of Administrator

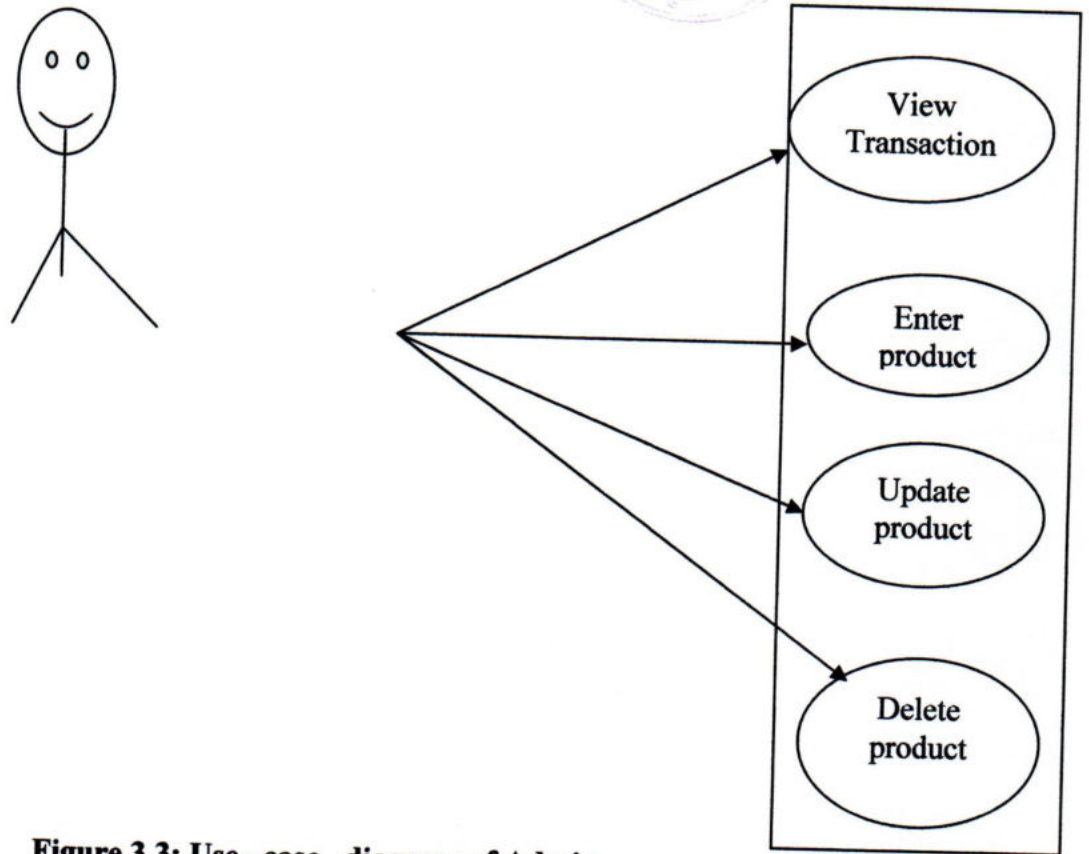


Figure 3.3: Use –case diagram of Admin

3.2.3 Module diagram of Third party

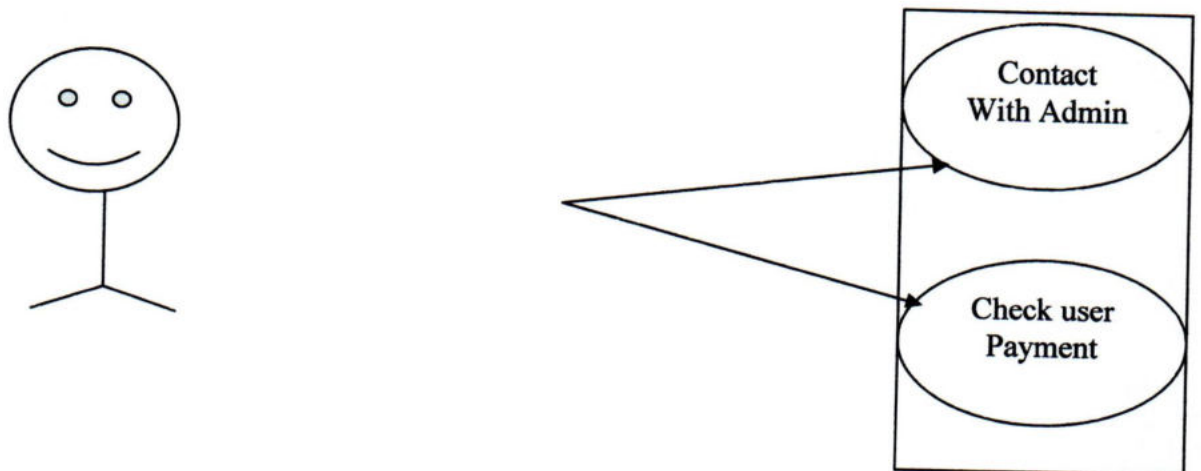


Figure 3.4: Use case diagram of Third party

3.3 Input Design of online stock management system

- User information (user email, name, password, country).
- User login (user id, password).
- Admin login (admin id, password) .
- Enter product (product id, product name, image, price, location)

3.4 output Design of online stock management

- Showing the current price, availability of the product in database.
- provide the security of product delivery.
- A normal user can only view few information of product.
- The valid user can view details information about product.
- After login the administrator can view the transaction report clearly.

3.5 Database Design of online stock management system

3.5.1 Database

Databases are specifically designed to capable of organization immaculate record keeping the most efficient alternative is to use a database engine Or to use its more technical name a database Management System (DBMS) to store, retrieve and modify the data. Some database is MySQL, Oracle, MS Access, SQL server etc. I have used MySQL database on back to develop Online Stock Management System.

3.5.2 The use of Database in this system

I have used the database to store the information about the seller, user, product and transaction. To store this information I have made some tables.

3.5.3 The reason for using database

Using database system large bodies of information can store and manage easily. It allows the manipulation, and retrieving data easily. In addition, the database system ensures the safety of the information stored, despite the system crashes or attempt at unauthorized access.

3.5.4 Working with database

To work with database each time it follows some conditions. They are given below:

- Opening the connection to the server.
- Working with database in the server
- Closing the connection.

Moreover, to complete Stock Management System we have to do some steps with the help of MySQL, PHP Among them some are as follows:

Basic connection Functions

- Creating Database and tables with PHP
- Inserting data to database
- Updating data on Database

- Deleting data from Database.

Each time when I used the database table I connected it first. Without connection the database is not accessible from the PHP pages. However I used the PHP code for connecting the database on each time as

```
<? php
    $con= mysql_connect ("localhost","root","12345678") or die ("Could
not connect to the Database....");
    $db= mysql_select_db("stock") or die ("Cannot select Database");
?>
```

When the server faces this code it checks the connection and defines it's by the \$con variable. If it becomes unable to connect then shows ("Could not connect to the Database...."). And if it becomes able then returns the link to \$db otherwise it shows the message as ("Cannot select Database")

3.5.5 Description of the tables of online stock management

3.5.5.1 Admin login table: This table contains the general information of administrator. Such as, login Id, password.

3.5.5.2 User Login table: This table contains the user id, user name, user country and password of user.

3.5.5.3 Item table: This table contains the information about product such as Item no No, Quantity, name, category, condition of product, Description

3.5.5.4 Transaction table: This table contains the information about the record of User purchases from product such as time, date etc.

3.5.5.5 Buy table: This table temporarily stores the information of product item a customer take into purchase card.

3.5.6 Database structure Design of online stock management system

Admin_login table

Column name	Data type
Loginid	varchar(50)
Password	text

Buy table

Column name	Data type
Itemno	int(11)
Name	varchar(200)
Image	varchar(200)
Quantity	int(11)
Price	double
Total	double
Tempid	varchar(100)

Item table

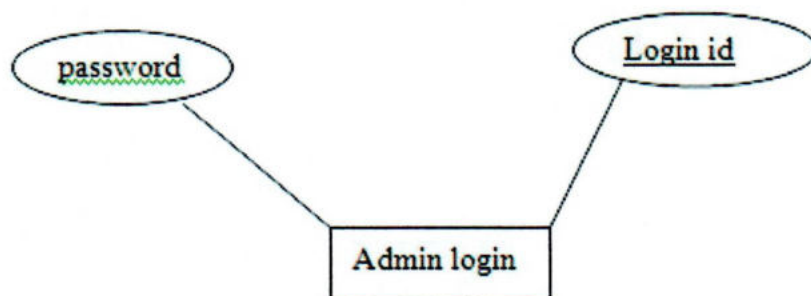
Column name	Data type
<u>Itemno</u>	int(11)
Quantity	int(11)
Name	varchar(200)
Category	varchar(100)
Location	varchar(200)
Condition	varchar(200)
Seller	varchar(100)
Description	varchar(200)
Price	double
Image	varchar(100)

Transaction table

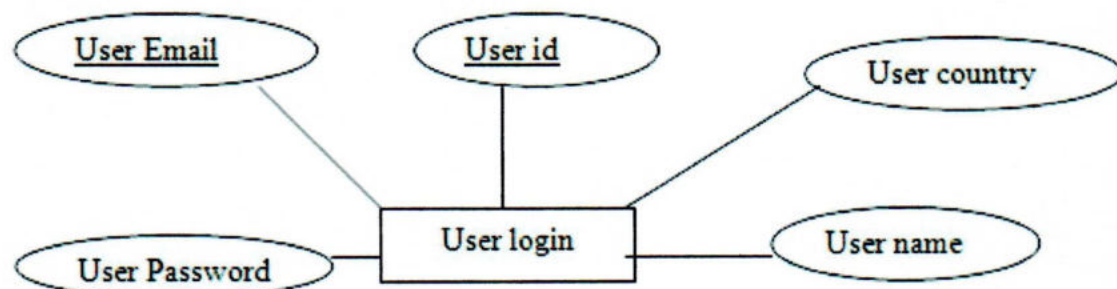
Column name	Data type
Date	date
Time	time
user email	varchar
Info	text
Amount	double

User table

Column name	Data type
usr_id	int(11)
usr_email	varchar(50)
usr_pass	varchar(55)
usr_name	varchar(50)
usr_country	varchar(50)

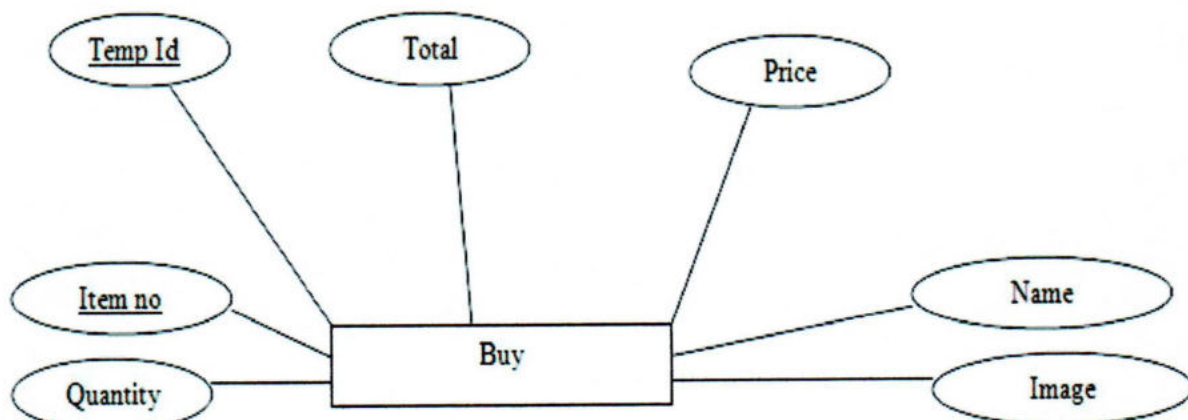


Admin login table



User Login table

Table 3.1 Admin and user login table



Buy table

Table 3.3: Buy table

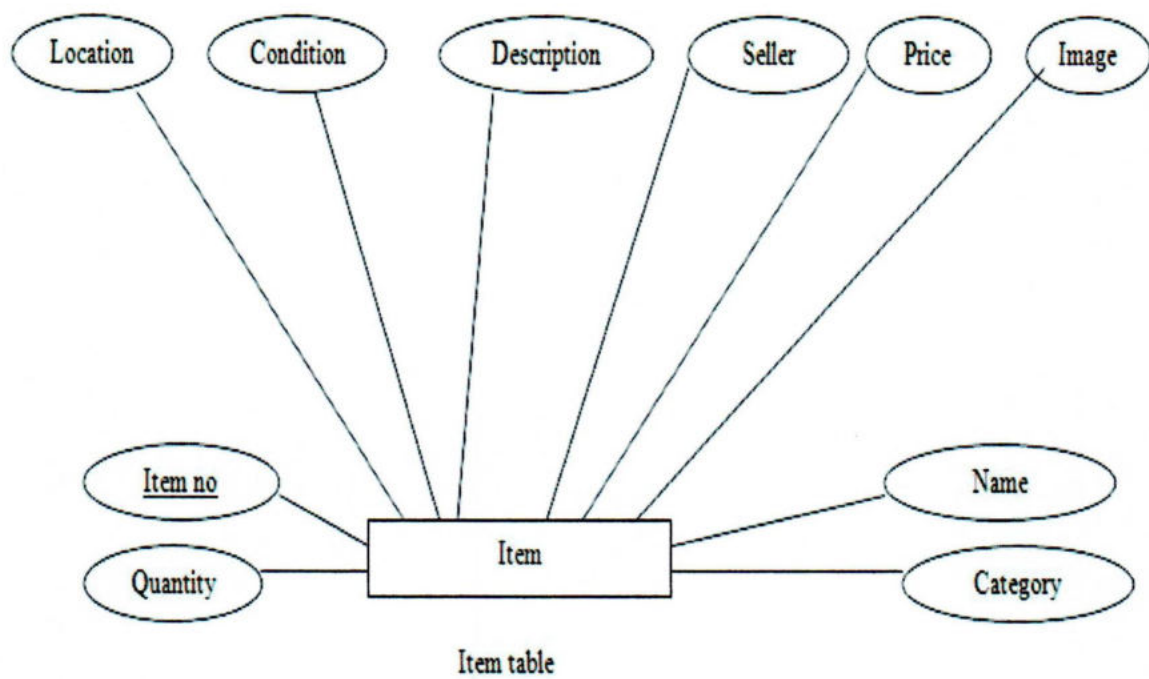


Table 3.4: Item table

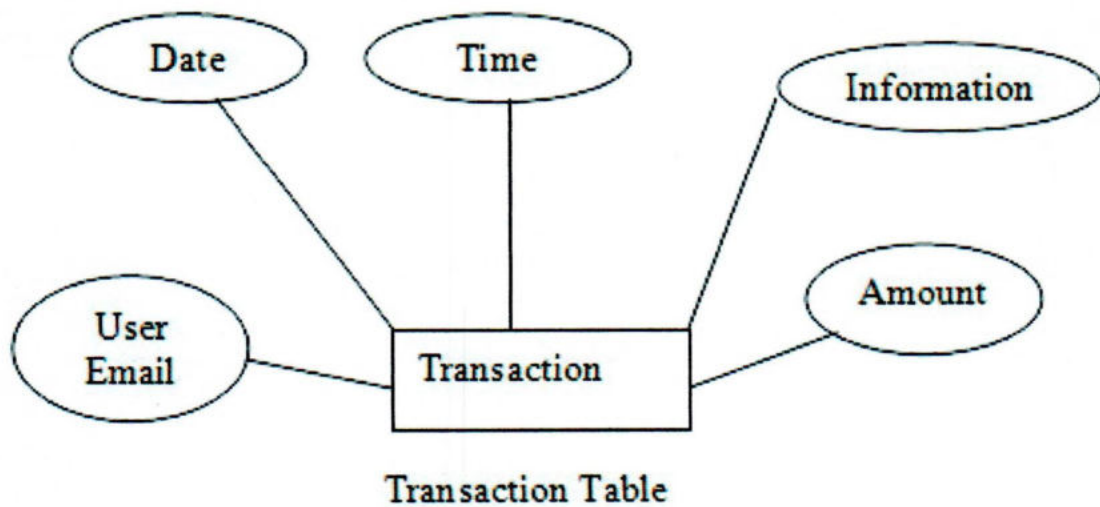


Table 3.5 Transaction table

3.6 Schema diagram design of online stock management system:

A database schema, along with primary key and foreign key dependencies, can be depicted pictorially by **schema diagrams**. In below the figure shows schema diagram for our Stock Management system. Each relation appears as a box, with the attributes listed inside it and the relation name above it. If there are primary key attributes, a horizontal line crosses the box, with the primary key attributes listed above the line. Foreign. Key dependencies appear as arrows from the foreign key attributes of the referencing relation to the primary key of the referenced relation.

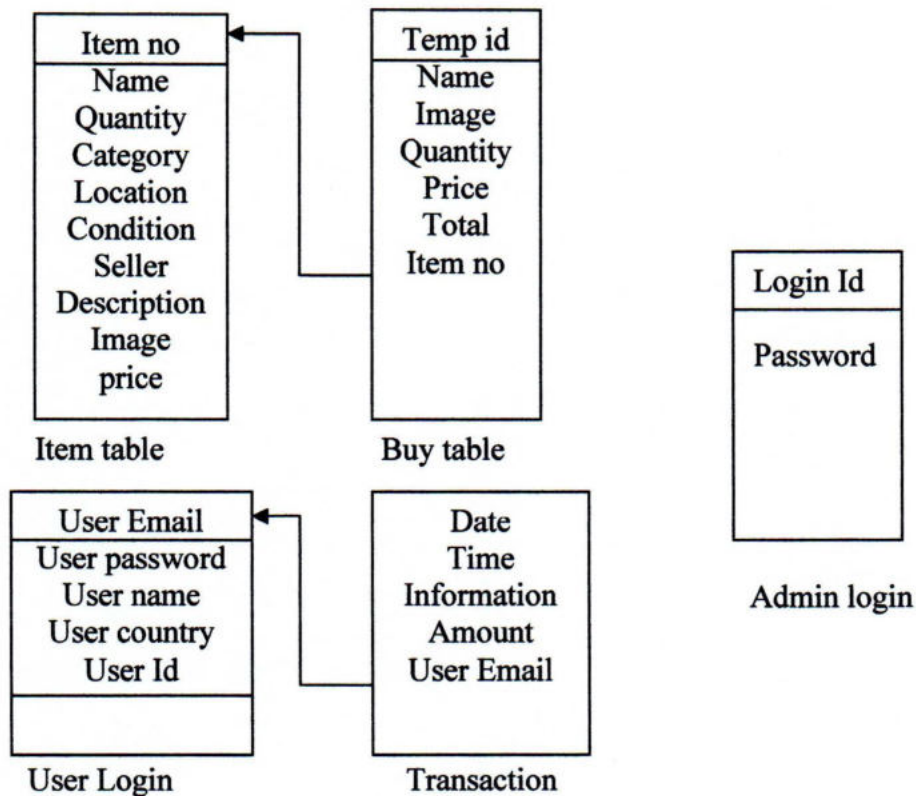


Figure 3.5 : Schema Diagram of online stock management system

3.7 Entity relationship diagram design of online stock management system:

An entity relationship diagram clearly shows the relationship among all entity but does not show foreign key .

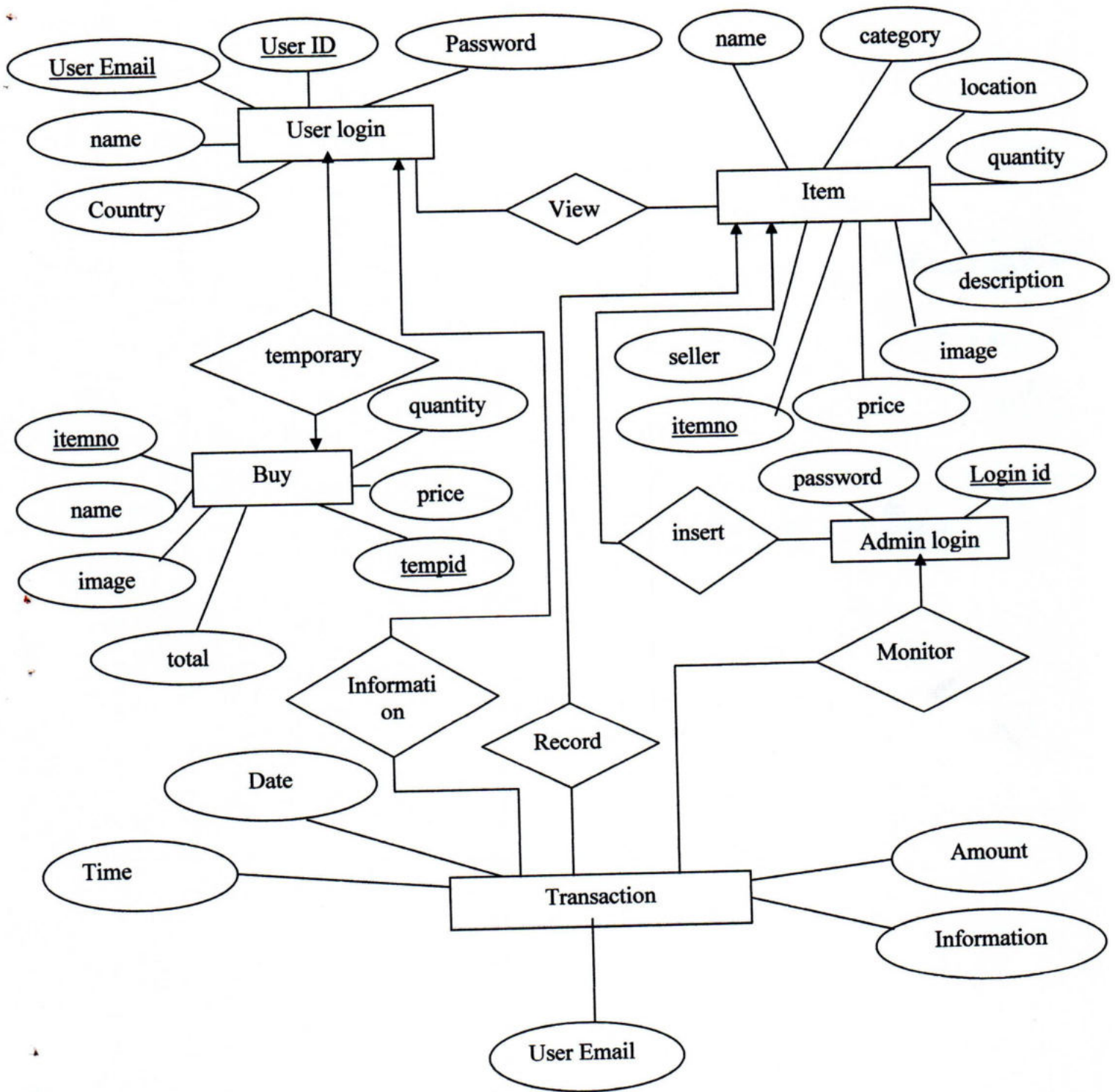


Figure 3.6: Entity-Relationship Model (E-R Diagram)

3.8 Activity diagram design of online stock management system:

An activity diagram describes a system in terms of activities. Activities are states that represent the execution of a set of operations. The completion of these operations triggers a transition to another activity. It is a flow diagram used to represent the data flow or the control flow through a system

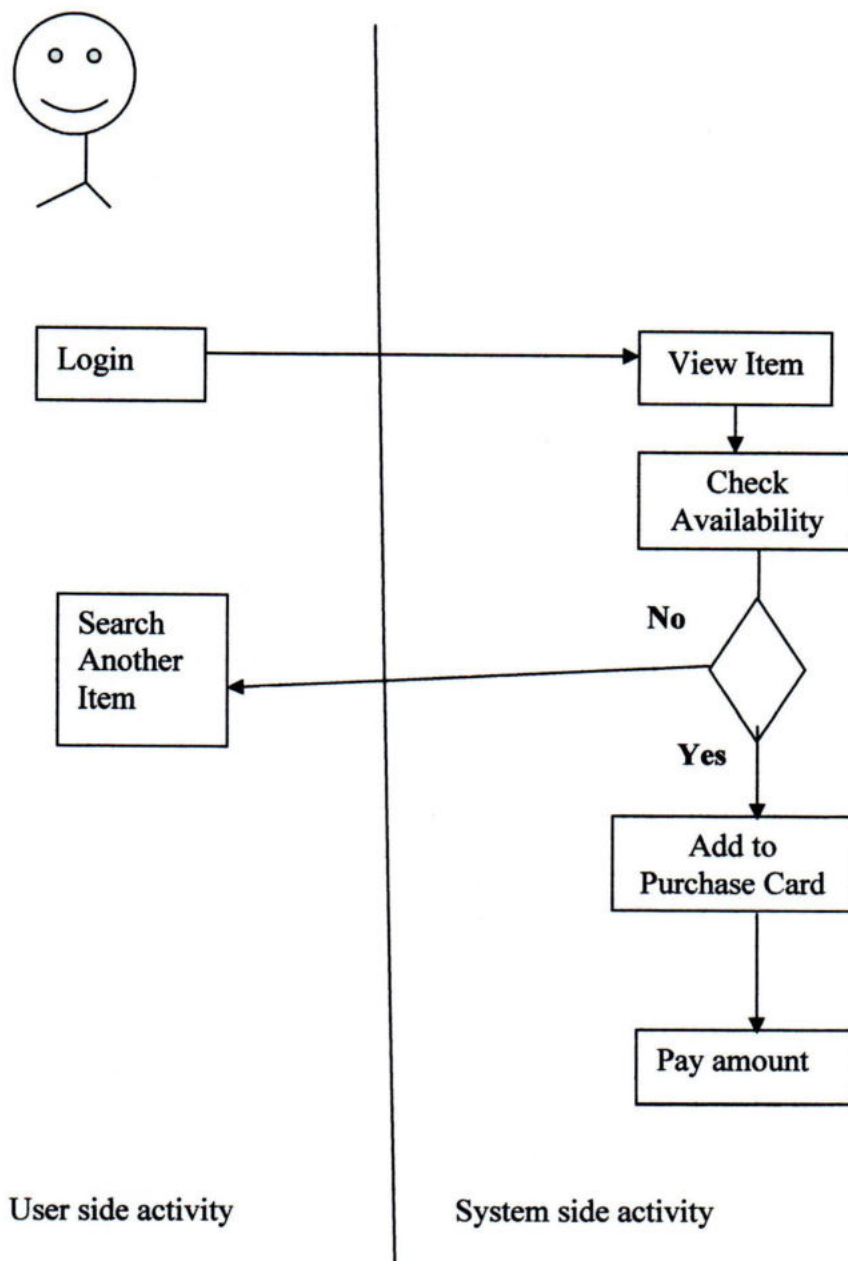


Figure 3.7: Activity diagram of online stock management

3.9 Data Flow diagram of online stock management system:

Data flow diagram clearly describes the information flow of each step clearly. The data flow diagram has three steps.

- a) Zero level data flow diagram(DFD)
- b) One level data flow diagram(DFD)
- c) Two level data flow diagram(DFD)

a) Zero level data flow diagram(DFD)

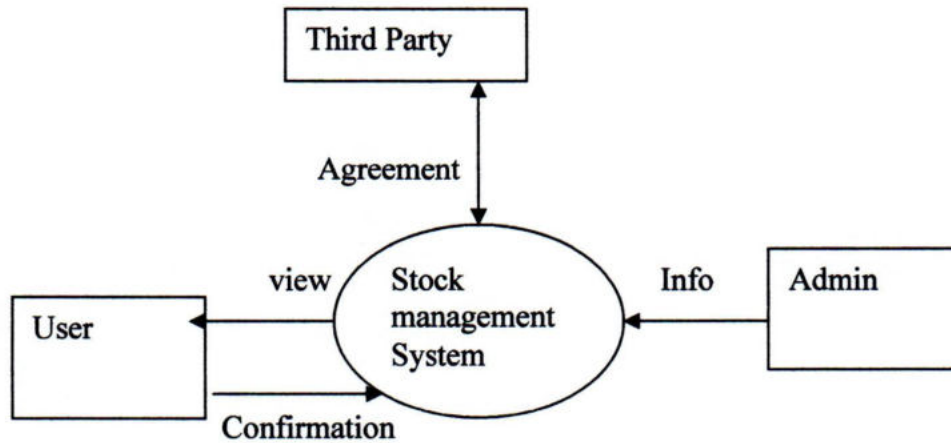


Figure 3.8 : Zero level data flow diagram

b) One level data flow diagram

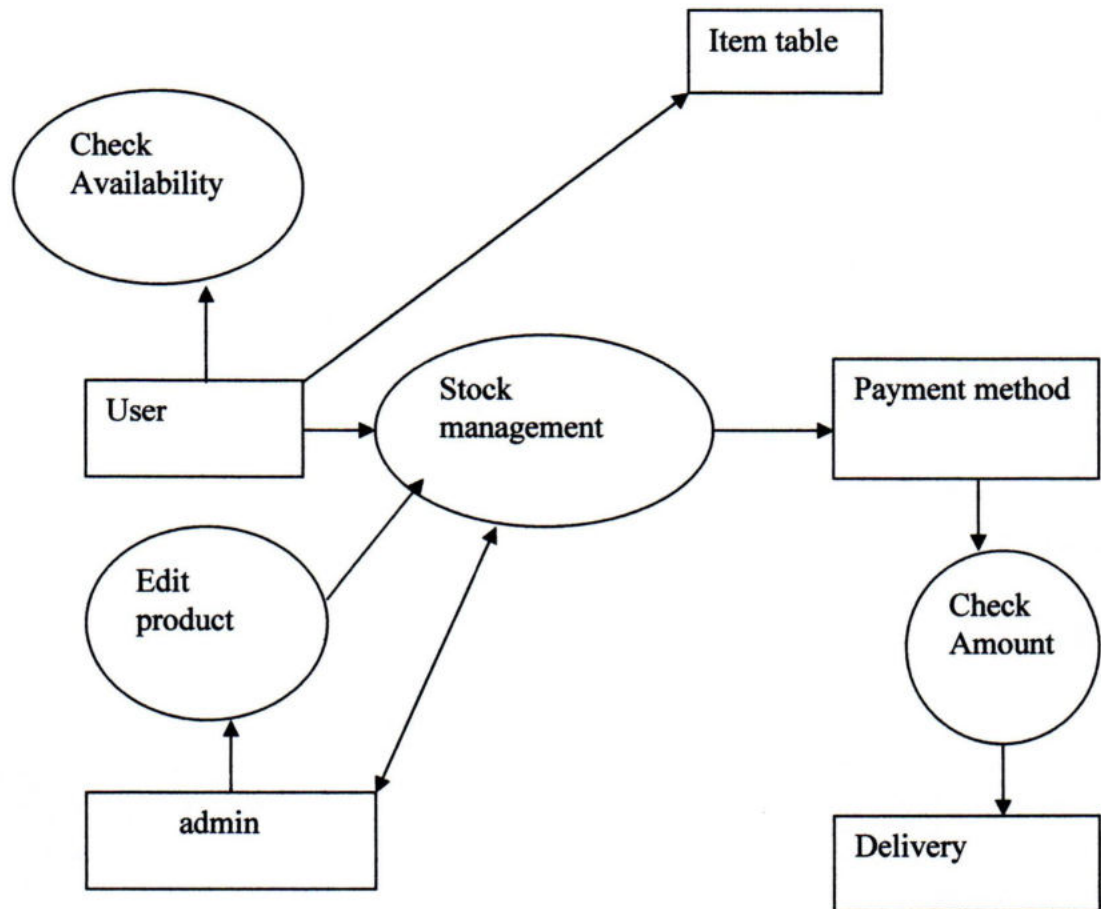


Figure 3.9: One level data flow Diagram

b) Two level data flow diagram

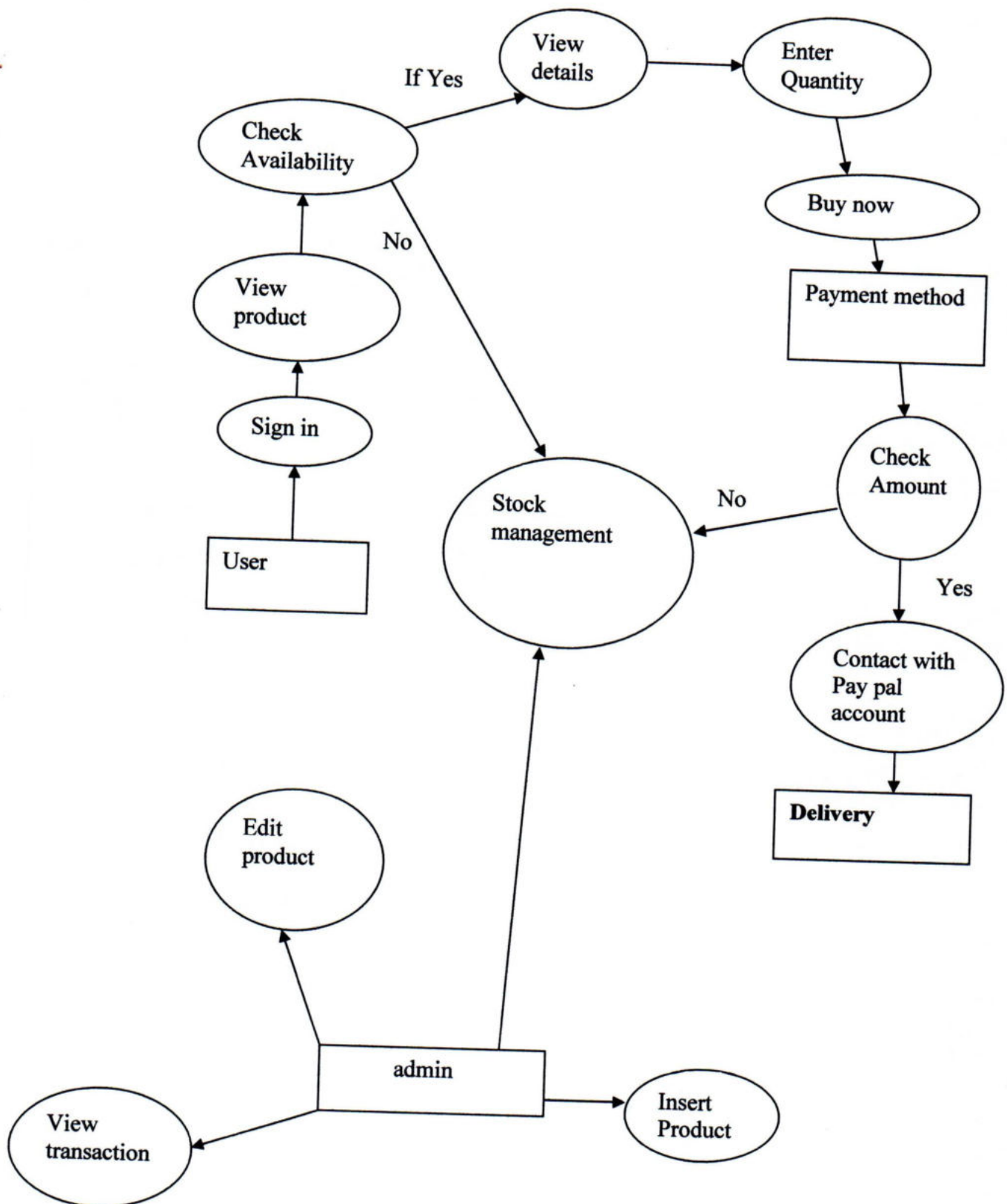
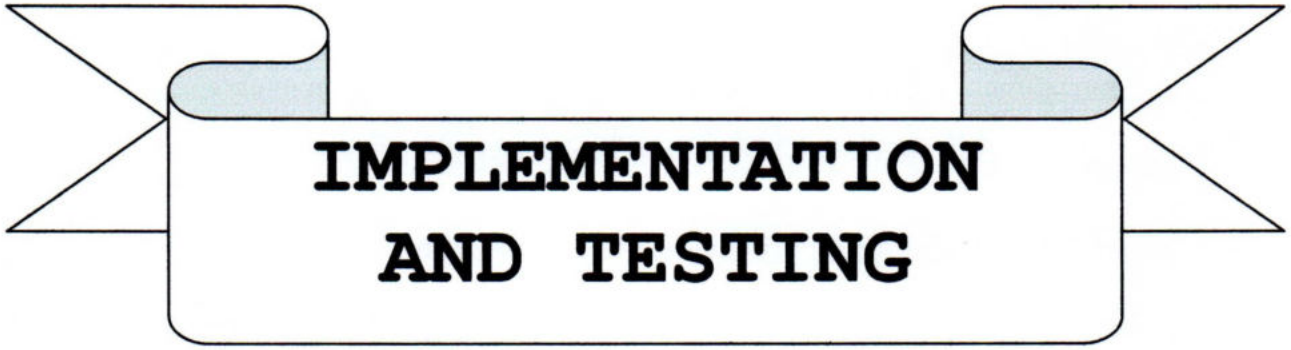


Figure 3.10: Two level data flow diagram

CHAPTER 4



IMPLEMENTATION AND TESTING

4.1 General overview of Implementation

Appropriate comments are given whenever necessary. The program has been developed in link form. The link can be presented and can be re-used as they are separate modules. The coding will allow any one particular module to be corrected or improved without making any significant change to any other module.

4.2 Web Browser

The client software to visit any web page is called web browser. The role of it is to format and display web documents to the viewer. Though all web browsers are capable of displaying and retrieving web pages on the internet, several browsers have got popularity all over the world. Most commonly used web browsers are:

- Mozilla Firefox
- Internet Explorer
- Opera Mini
- Safari.

We can use any of these to access the pages of Stock Management System.

4.3 Web Server

A Web server is a computer, connected with other computers that have software which allows web pages to be published on those. Mainly the role of web server is to hold lots of web pages on its hard drive. If a pc wants some data, then web server gives that information to that pc by a protocol named Hyper Text Transfer Protocol (HTTP) in the browser. Some Web browsers are given below:

4.4 Hyper Text Markup Language (HTML)

HTML is the standard language of web. HTML is the acronym for Hyper Text Markup Language. It is too much easy from programming language. Html have two essential features: Hypertext and Universality. Hypertext means that the user can create a link in a web page that leads the visitor to any other web pages. Universality means that because HTML documents are saved as ASCII or text only files, virtually any computer can read a web page. HTML was developed specifically for using on the World Wide Web (WWW). The HTML files can be viewed on any computer that has web browser software. I have used to write HTML code text editor, Dreamweaver 8 and other HTML editor. To develop the Stock Management System HTML code has been used in most of the pages with PHP code.

4.5 Web Scripting Language (JavaScript)

Scripting language is a programming language that instructs how one computer should communicate with another computer. Java script is a language that is used for adding interactive elements into a web page and its code is embedded into the web page itself along with HTML. Javascript has got popularity because of its widespread use and availability. Its existence is marked out by the use of <script> tags.

4.6 Cascading Style Sheet (CSS)

CSS is a breakthrough in web design because it allows developers to control the style and layout of multiple web pages all at once. The Cascading style Sheet (CSS) is used specially for defining some common format of a unique area. With CSS it is possible to:

- Styles define how to display HTML elements
- Styles are normally stored in styles sheets
- Styles were added to HTML 4.0 to solve a problem
- External style sheets are stored in CSS files
- Add a new looks to the old HTML
- Multiple style definitions will cascade into one

I have used some common CSS coding to build up online Stock Management system.

4.7 Personal home page (PHP)

PHP is now officially known as PHP: hypertext preprocessor. It is a programming language for building dynamic, interactive web sites, originally devised by Rasmus Lerdorf way back in 1994. It can be used to build Database driven web sites. In technical term, PHP is a cross platform, HTML embedded, open source, server-side web scripting language. Let's take a moment to define this terms:

- a) **Cross-platform:** We can run most PHP code, without alteration; on computers running many different systems. A PHP 5.1.4 script that runson Linux will generally run on windows as well.
- b) **HTML embedded:** PHP code is written in files containing a mixture of PHP 5.1.4 instruction HTML code.
- c) **Open Source:** PHP 5.1.4 is a open source programming language. That is all can access it through internet.
- d) **Server-side:** the PHP 5.1.4 programs we write are run on a severe specially, a web server. Server side scripts typically start with<? And end with?>.The <? Is called an opening tag, and the?> is called a closing tag. In between these tags are the server side scripts. We can insert server-side scripts anywhere in our web page even inside HTML tags.

On the online Stock management System some pages are available to visit without any permission. But some are restricted. All the restricted pages usable for the shopkeeper in Stock Management System, checks the user is he valid or not. If the user is not valid then the system send back user to the sign in page to sign in and getting permission to use the system.

4.8 My SQL

Mysql is a freely available RDMBS, which fully joined the open source Community only recently, when it was released under the GNU pupil's license. In addition to its free availability, My SQL provides a whole lot of other features:

- i. Open source software:** The MYSQL 5.0.24a package comes with the complete source code. This means that we may study the source code. This means that we may study the source code and modify it to suit our particular needs.
- ii. SQL support:** As the "SQL" in MY SQL 5.0.24a suggests, My SQL support SQL (Structured Query Language), a standard high-level language used to make queries for data required from a database.
- iii. Super performance and reliability:** My SQL is remarkably fast and reliable even in a most demanding environment.

4.9 Testing

Testing activities are intended to prove that the system meets its objectives. Testing prove that the system meets its requirement. The aim of testing process is to identify all defects in a software product. Testing is any activity aimed at evaluating the software for quality results it produces and the quality of results it can handle. Testing is an operation to detect the difference between the expected result and the actual result.

4.10 Home page of online stock management system

The home page of stock management system is designed by HTML, CSS codes. The home page of stock management system are given below,

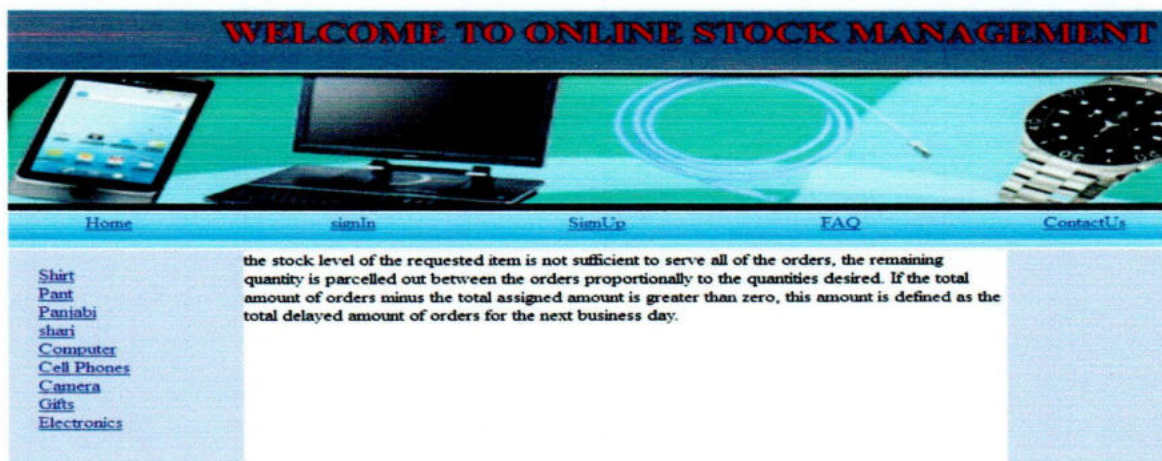


Figure 4.1: The home page of online stock management system

4.11 Option of home page

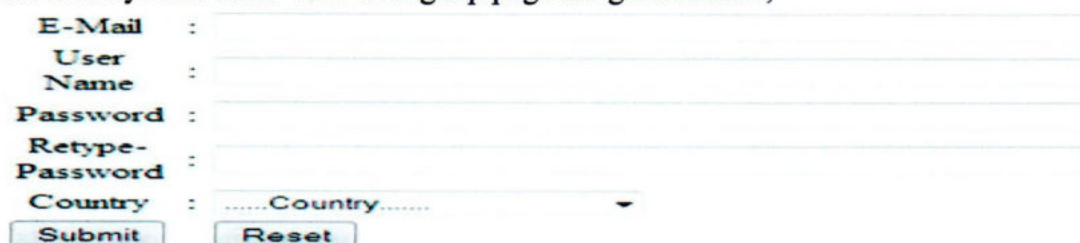
The home page of online stock management system consists of a number of features. These are,

4.11.1 Home

The link named home consists on the index page. From any page of the system it is possible to back into the index by the link home.

4.11.2 Signup

The signup link acts as the registration page for the user. If an user want to view the internal information of stock, then he/she must needed to register with our system. For registration he must need to enter Email address first, then user name, then password, at last country. The basic view of Signup page are given below,



E-Mail :

User Name :

Password :

Retype-Password :

Country :

Figure: 4.2 The Signup page of online stock management system.

4.11.3 Signin

The sign in link acts as the login page for the user within the system. After signing with the system a user can learn details knowledge about the stock.



E-Mail :

Password :

Figure: 4.3 The Sign in page of online stock management system

4.11.4 Faq

The elaborate form of FAQ is known as the frequently asked question. In this section the user can obtain the answer of some basic questions.

4.11.5 Contact us

The contacts us page contain the contact information with the stock. If an user want to Contact with the stock then he/she can acquire knowledge from this link.

4.12 Admin login page for online stock management

The administrator has to login with the system by his/her login Id and password. The basic view of admin section is given below,

Figure: 4.5 The administrator login page of online stock management system.

4.13 Option of Administrator page

The admin page of online stock management system consists of a number of features. These are given below,

4.13.1 VIEW TRANSACTION REPORT

In this section the administrator can view the report of transaction. There are two options for viewing transaction. These are given below,

- a) Specific date transaction,
- b) Interval date transaction.

a) Specific date transaction:

In specific date transaction the admin can view the transaction of a fixed date. Such as if the admin enter an specific date '2010-03-01' then he/she can view the occurred transaction on this specific date.

b) Interval date transaction:

In interval date transaction the admin can view the transaction with respect to a date in a date interval. Such as if the admin enter the date of interval from '2010-1-1' to '2013-1-1' then he/she can view the occurred transaction between three year.

4.13.2 INSERT PRODUCT

The administrator can insert product by this link. The basic view of insert page is given below,

Figure: 4.6 Product insertion page

4.13.3 UPDATE PRODUCT

The administrator can update the information of the product by the update page. We know that the price and other information of the product are not always fixed. So information is needed to change.

4.13.4 DELETE PRODUCT

The administrator can delete product by this link. When a product expires its validity then it is needed to delete from the stock. The administrator does such type of task via this link.

4.13.5 Product delivery system in online Stock management system.

5.5.1 Product viewing

5.5.2 Purchasing

5.5.3 Delivery

4.13.6 Product viewing

There are two ways of viewing product within our candidate system. These are

a) Normal user view

b) Valid user view

a) Normal user view

A user who is not registered with our system is known as normal user. When he/she visits in our system and wants to view the product, then he/she can see only the image, name, item no, price per unit, available quantity. A normal user can not buy any product from our system until he/she is registered. The normal user view is given below,



Figure 4.7 Normal user view of product within stock.

b) Valid user view

The users who are registered with our system are known as valid users. When he/she visits in our system and wants to view the product, then he/she can see the image, name, item no, price per unit, available quantity and another special link view detail. Only the valid users are capable of purchasing product from stock.

Catagory Brand panjabi

Brand panjabi



Name: Stylish Brand

Item No: 131

Quantity: 793

Price: 700 \$

[View Details](#)

Brand panjabi



Name: Japani Brand

Item No: 132

Quantity: 600

Price: 900 \$

[View Details](#)

Figure 4.8 Valid user view of product within stock.

4.13.7 Purchasing

If a valid user wants to purchase any product from stock then he/she must follow the following instructions,

- Click on view details link
- Enter quantity and click on buy now.
- Check some options on purchase card and Pay amount.

a) Click on view details link

The view details link is given on Fig 1.11 when a valid user click on view details link then the details information about a particular product is viewed on page such as if the user click on view details link of a product whose item no is 131. Then he/she can see the details information about that.

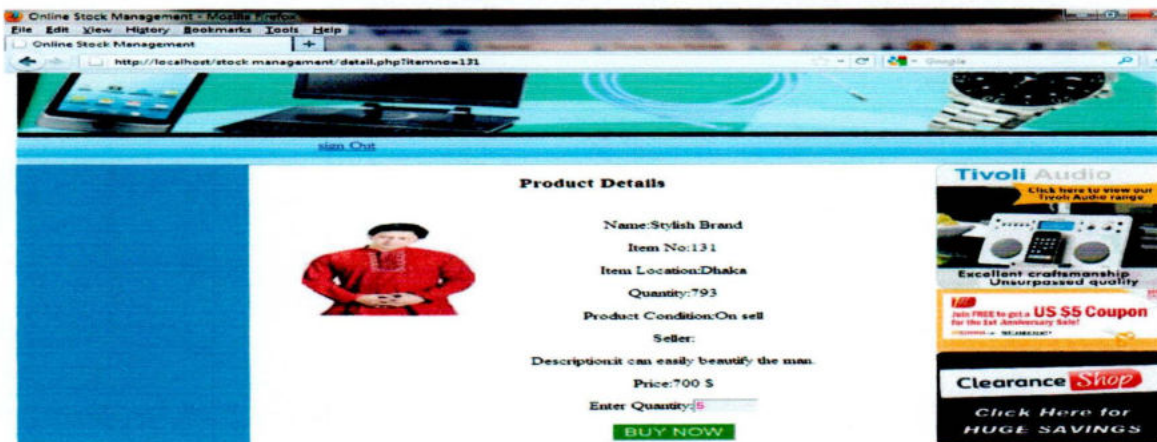


Figure 4.9 Details view of product

b) Enter quantity and click on buy now.

In the details page there is another option enter quantity. Enter quantity is quantity that the user want to buy from stock. After entering quantity then the user need to click on buy now link. When the user click on buy now link then the product is added on purchasing card. Such as if an user enters 5 quantity of item no 131 and click on buy now link then this quantity is added on purchasing card. The purchasing card is given below,

Purchasing product from stock				
You are about to buy the following items, Mr. emran_hstu@yahoo.com				
Image	Description	Quantity	Price/unit	Total
	Name: Stylish Brand Item No: 131 Available Quantity: 788	5 Change Delete	700	3500
Total :		5		\$ 3500
Enter the amount bellow:				
Amount:				
Checkout		Cancel Transaction		

Figure 4.10 Purchasing card

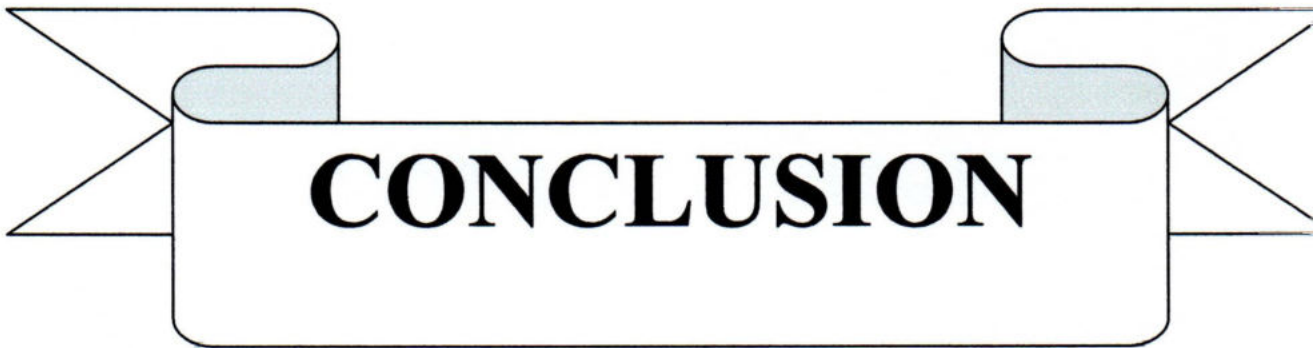
c) Check some options on purchase card and Pay amount.

At first there are two options on products. These are change and delete. The function of change command is to change the quantity of product and the function of delete command is to delete the product from purchasing card. On our stock management system we do not sell product in due. There are two options on the below of purchase card. These are cancel transaction and checkout. If the customer is not interested to buy any product from stock then he/she can click on cancel transaction link. If he/she clicks on cancel transaction link then a message will display that show "Cancel transaction and no product is bought". If the customer does not enter valid amount of money in amount field and then if he/she clicks on Checkout field then the following message is shown on browser "Incorrect Amount. If the customer enter valid amount of money in amount field and then if he/she click on checkout field then the following message is shown "Your amount is correct and product will be delivered to you as soon as possible".

4.13.8 Delivery

In our candidate stock management system the products that are buy from stock are delivered to the address of buyer as soon as possible via courier service.

CHAPTER 5



CONCLUSION

6.1 Conclusion

Day by day most of the stock management systems are computerized. In every case computer is widely used. If the stock management system is used in stock I think it will be very beneficial for both of the customer and owner of stock. Our system is very user friendly and simple. A client can easily purchase a product from stock. The system is designed in such a way that a user will never feel bored in our system. Our system is completely error free. In our system if any customer is unable to purchase any product from stock for any reason then he/she can easily cancel transaction and logout from our candidate system. There are three steps in our system that a customer must have to fulfill. Check the availability of the product within the stock; Select the product that he/she want to buy from stock, Pay the amount.

We know that a system is a combination of a number of components that are interconnected and interdependent with each other. According to the definition of system our system also contains a number of components. Now the stock management system can be used in any super-market, mini-market sells product which is cost free for user because they no need to traveling cost. For doing management system we observe that it require more time for the completion of project. We have tried our best to make the system secure, error free and user friendly.

6.2 Recommendation

If the Online stock management system is used in any section of super market or mini-market where the buyer and seller are interested to purchase and buy online then it can be very helpful for both of them.

Though the online stock management system is very user friendly and provides high security, so it can be used.

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The End