

**AN EDUCATION WEBSITE: FOR STUDENT INFORMATION
SYSTEM (e-School)**

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering'

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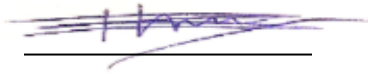


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APPROVAL

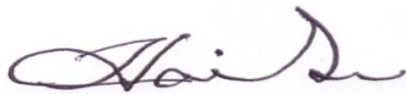
The title of this project “**Educational Website for Student (e-School)**”, submitted by **Abdulla Al Noman, Rakib Al-Amin, Safiul Islam** to the Department of Computer Science and Engineering, Daffodil International University, has been approved as partial fulfillment of the requirements for the B.Sc. in Computer Science and Engineering degree, and approved in terms of style and content. On October 30, 2021, a presentation was held.

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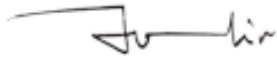
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This project was completed under the supervision of **S.M. Aminul Haque, Associate Professor and Head of Associate Department, CSE** Daffodil International University. We also declare that this project, in whole or in part, has not been submitted to any other institution for the purpose of conferring a degree or diploma.

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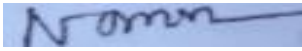


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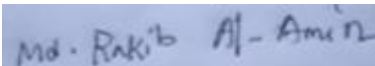


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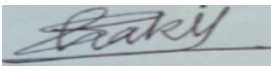


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ABSTRACT

The name of our project is School information system (e-School). Through our project teachers and students can Log-in to this website and continue their class activities. Our website plays an important role in ensuring that education activities are not halted or disrupted in epidemics like the corona situations. This website has various information related to studies, videos, self – evaluation, Students will be able to show off their creativity to the rest of the world. Our website has a navigation bar which name is (cholo-likhi). where can Writing different types of stories, writing novels, drawing pictures, and uploading them on the website can awaken their (student) latent talents. Students can collect all kinds of academic information. If any students use this website, they will not need to read privately to any extra teacher. The job of the admin module and teacher is to access the admin page of the website, provide the course, create class lessons, upload the pdf file, and create assignments, class test options, and videos. The function of the student module is to take the course, to give the exam, to give the course review with comments, to give discussion about a problem and Students will be able to read every single topic with video tutorials and pdf content. There are also alumni success stories and pictures. Our project has also included noticeboard, events, recent. Students show their important information on a noticeboard. They events or programs on the website.

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CHAPTER 1

Introduction

1.1 Introduction

We are aware of this “Education is the backbone of nation”. None can’t be shine in life without education. Such an example, a human cannot walk without food, so man can’t be Prosperous without learning. When the whole world is stunned by the coronavirus, everyone in the world is spending their leisure time at home. That's when DIU continued its studies on its own platform, BLC. On the other hand, millions of students are dropping out without access to the right online platform for the study. Especially school and college students. We are working on a platform called “e-School” to solve this problem. With this, Students from remote villages will be able to easily access all the facilities like physical classes using the platform. This platform will play an important role in the study of the era of the Fourth Industrial Revolution, even if the outbreak of Corona is over. Our project name is “Amar e-School”. Website helps to all kinds of students, such as rich, poor, middle class. Our projects are benefits to rural areas and urban areas students. This website has various information related to studies, videos, self – evaluation, Students will be able to show off their creativity to the rest of the world. Our project aims to introduce students to technology so that studies in epidemics and disasters. Our website data cost is very low. In the modern age online educations demands day by day.

1.2 Motivation

It is a matter of sorrow that most of the students in our country are deprived of online education. They are lagging behind in technology due to poor network system in remote areas of our country. So, we are doing this project with their thoughts in mind.

Many developed countries around the world have taken online classes and exams in covid-19 situations. Universities in our country have taken online classes. Our Daffodil International University has taken online classes, exams. BLC (blended learning center), Google Classroom has been taught on these platforms which is truly unimaginable.

Inspired by this, we have taken up a project called “Amar e-school” for all students.

Motivation of our project is:

1. To develop easy, its actual help to rural areas student.
2. It save both time and Money.
3. This is our effort so that students don't drop out of school.
4. They will do the classes with pleasure.
5. This website will work like a private teacher.

1.3 Objective:

In this age of technology, no matter what family a student belongs to, poor, middle class or rich, he should not drop out of school due to lack of proper resources. We are working on this project to ensure that there is no gap in the long period of study or loss of students due to Corona-19 in Bangladesh so that it does not happen in the next disaster.

1.4 Expected outcome:

1. The reading page (পড়াশুনা) every single lecture or topic contains class links, class videos, lesson introductions, pdf files, evaluation tests that will keep a student focused on reading.
2. Students will be able to show their creativity.
3. Students have this website be able to get different type of knowledge
4. Both time and moneys are consuming.
5. We have a forum which is called (চলো-লিখি) on this website where students and teachers can publish their writing.
6. Students will also be able to get acquainted with Globalization and Modern Technology.
7. Students will be able to know different types of information by checking the notice board of the website without going to the physical school.
8. We also include alumni success option. When a student Visit in this option they will be motivated.

1.5 Overview:

Our websites are critical for effective communication between teacher and students. As a teacher, you will operate in the admin page, which is similar to that of a course administrator. The teacher posts a link to the class, as well as videos, questions, and papers. Students checked out the website and signed up for classes using the provided link. They watched videos, downloaded and solved questions, and readily submitted their answers.

In our project has:

- ✓ Log-in, Log-out system (“লগ-ইন/ লগ-আউট ”)
- ✓ Registration system (“ রেজিস্ট্রেশন ”)
- ✓ School Information (“ আমাদের-বিদ্যালয় ”)
- ✓ Teachers Information (“শিক্ষক-পরিচিতি”)
- ✓ Article writing (“চলো-লিখি”)
- ✓ Noticeboard (“নোটিস”)
- ✓ Reading Page (“পড়াশুনা”)
- ✓ Exam system (“নিজেকে যাচাই করি”)
- ✓ Alumni Information (“প্রাক্তন ছাত্রদের সফলতা”)
- ✓ Contact (“যোগাযোগ”)
- ✓ Others Option (“অন্যান্য”)
 - Calendar (“ক্যালেন্ডার”)
 - Guidelines
 - Library (“লাইব্রেরী”)
 - Extracurricular Activities (“বহির্ভূত কার্যক্রম”)

Chapter 2

Background

2.1 Relative Work

In Bangladesh, we have a plethora of instructional websites, but they are all pricey and outdated. Our website is simple, up to date, and presented in Bengali, which is easy for students to grasp. It also has a minimal cost of access. (e-School) is basically educational base project. We live in the age of technology, no matter what family a student belongs to, poor, middle class or rich, he should not drop out of school due to lack of proper resources. We are working on this project to ensure that there is no gap in the long period of study or loss of students due to Corona-19 in Bangladesh so that it does not happen in the next disaster. So we have created many options on our website. As a result, Students can get all the information they need from the website. Many projects like ours have already been created in real life. I think educational websites should be user friendly. Most of the educational website I visit are a bit complex. But our website is very user friendly so that students of any age can easily find out their absolute resources. In our webpages we add our School logo, School Name. Then we create pages whose are: Homepage (প্রথম-পাতা), Study (পড়াশুনা), Teacher information (শিক্ষক-পরিচিতি), Our School (আমাদের-বিদ্যালয়), let's go to write (চলো-লিখি), Registration. Student Click the "Study" Page then the website goes to the study page and shows class of this page.

2.2 Comparative Analysis:

Our Project (e-School)	Other Project
1. Wonderful User Interface (UI).	1. Complex User Interface (UI).
2. User Friendly.	2. Not user friendly.
3. We have created the content ourselves.	3. Most of the content is taken from the internet.

Table 2.1: Comparative Analysis

2.3 Scope Problem:

During the course of this endeavor, we encountered numerous difficulties. Many of these issues have been resolved by us.

- Shortcomings in the design part.
- Combination of multiple user.

2.4 Challenges

1. Add a new website in 1st page to create a new account with the option to create and connected to the database.
2. Our site has user login & logout system.
3. Student changes his/her Profile & account information.
4. The school has information on various programs and pictures, functions, notice information and new update news that a student can find out at home.
5. We have different types of class links, class videos to study on our website so that the students can easily understand the lectures.
6. Students of certain classes will be able to watch PDFs and videos in their specific class lectures at the age of registration.
7. Our website has all the details of the head teacher, information about the teachers, faculty member's information and the success of the alumni.

Chapter3

REQUIREMENT OF SPECIFICATION

3.1 User Interfaces:

(E-School) is a Web-based application. This application is designed for students, Teachers, and Parents. So we designed this application to be easy use user. I think educational websites should be user friendly. Most of the educational website I visit are a bit complex. But our website is very user friendly so that students of any age can easily find out their absolute resources.

3.2 Operations:

Most of the important part of this project is data pass, data structure.

- Updating
- Editing
- Deleting
- Create
- Database
- Like Count
- Comment
- Matching user accounts

3.3 Requirement of Hardware:

Configuration	Limitation
Processor	All types of processors will be able to handle this application.
Ram	Freely access need to 256 MB minimum storage.
Motherboard	No limitation of motherboard.
Hard Disk	No limitation.
Monitor	Any type of monitor can access.
Graphics Card	Any type of monitor can access.

Table 2.2: Requirement of Hardware

3.4 Requirement of Software

Software	Usage
Visual Studio	As a code editor
Python	Django is a framework of Python .We will use Django in the backend of our application. So if we want to work with Django, we must have python installed in our PC.
Django	If we want to work with Django, we must have Django installed in our PC.
SQ lite	It is database engine. SQ Lite is open source database. In our application we use SQ lite.
Windows Operating System	I used Windows-10.
Web Browser	We will use Google Chrome here.

3.5 Design Requirement

Our website serves as a learning tool. In this part we want to discuss software development process, the architecture, Use Case Diagram, DFD (Data Follow Diagram), Flow Chart Diagram the front end of our website is made up of HTML, CSS, JavaScript, and Bootstrap. Django, SQ lite has also been used as a backend.

3.5.1 HTML:

HTML is an essential component of any website. We can't make a website without HTML. It's a straightforward programming language. The language used to describe the structure of Web pages is HTML.

3.5.2 CSS:

Just as people apply makeup for beauty, makeup for a website has to be done for beauty. The role of CSS in a web page is much more. If the website is not nice to look at, if it is not user friendly then users will not want to use the websites. Just as we can paint with our minds, we can make any design as simple as we want using CSS. Websites will be nothing more than plain text on white backgrounds if CSS weren't used for it.

3.5.3 JavaScript:

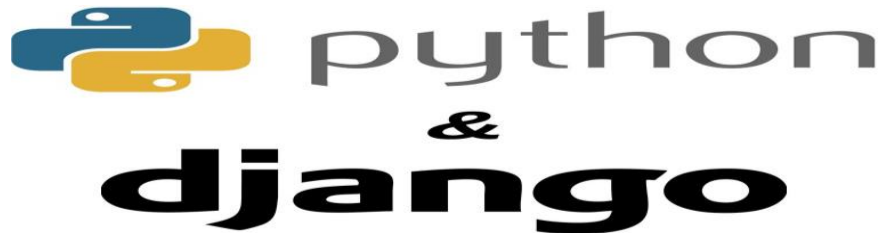
The scripting language JavaScript is widely used. At the present time, this scripting language is the most powerful and most popular. There is no substitute for JavaScript to make a web page dynamic. We get the information at the click of a button. This is possible because of JavaScript. Hover is a common thing on a web page, Hover has JavaScript in the backend. A lot of times especially when we zoom in and out an image it is possible because of JavaScript. On many homepages we see some images moving from time to time called carousal and dropdown menus, each of display animation. There are many functionalities in JavaScript.

3.5.4 Bootstrap:

It's a CSS framework for making responsive websites and mobile apps. It is free and open source. Bootstrap refers to the process of loading a program into a computer by first loading a much smaller program before loading the desired program.

3.5.5 Python Django:

We know that in a day python is most popular programming language. Django is a framework of Python .We will use Django in the backend of our application. Adrian Holovaty and Simon Willison are the authors of this framework. It follows MVT representing M=Model=View and T=Template. Python is a simple language easy to learn and use from another language.



3.5.6 SQ lite:

It is database engine. SQ Lite is open source database. In our application we use SQ lite. It is relational database management system. This engine written by C programming language.

3.6 Use Case Modeling and Description:

Corresponding of our project's actors are admin, student and teacher.

3.6.1 Admin: Login, logout, maintenance user profile, Student's registration, update notification on the notice board, access Student's article, provide course and add course teacher.

3.6.2 Student: Login, logout, writing article, watch class video, join class link, watch class lecture, give self-test, Submit answer script, like, comment.

3.6.3 Teacher: Login, logout, Manage and update profile Create question paper, take exam, upload class lecture (video & slide).

3.7 Use Case Diagram:

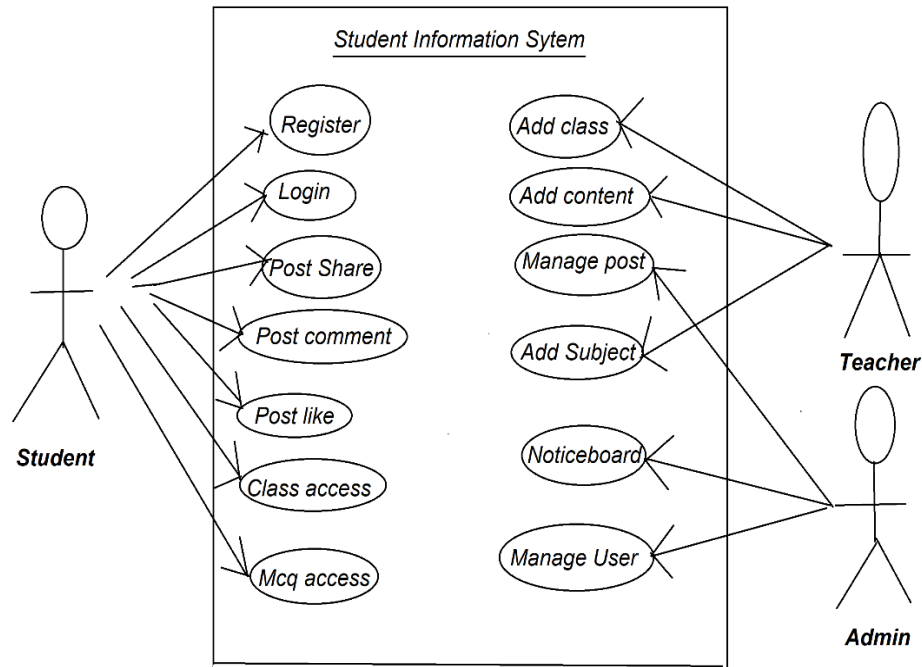


Figure 2.1: Use Case Diagram

3.8 Data Flow Diagram

The flow of data through a process or system is depicted in a data flow diagram. Data inputs and outputs, data repositories, and the numerous sub processes through which data passes are all included. Data diagrams are moved to the student information system with the help of DFD. The DFD depicts the entire formation of any system in this project.

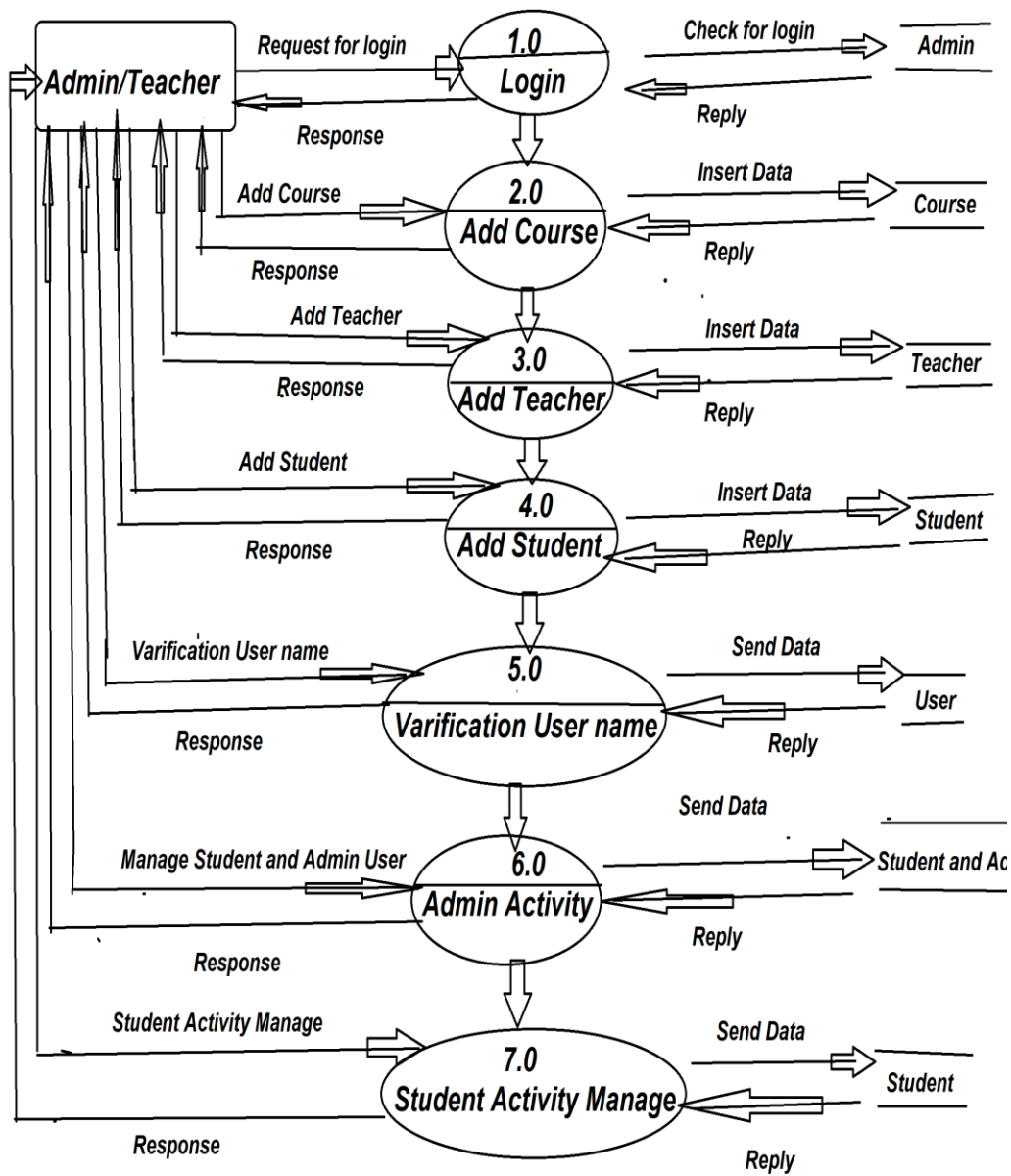


Figure 2.2: Data Flow Diagram

3.9 Flow Chart Diagram:

A flow chart diagram is a sort of diagram that depicts the task's process or flow. For any project, this is the most significant task. We can easily find out or understand all the information of any project through a chart. We have to use a few shapes to describe the information such as Start/end defines into box symbol, Arrows defines into a line is connector, process defines into a rectangle and decision defines into diamond sign.

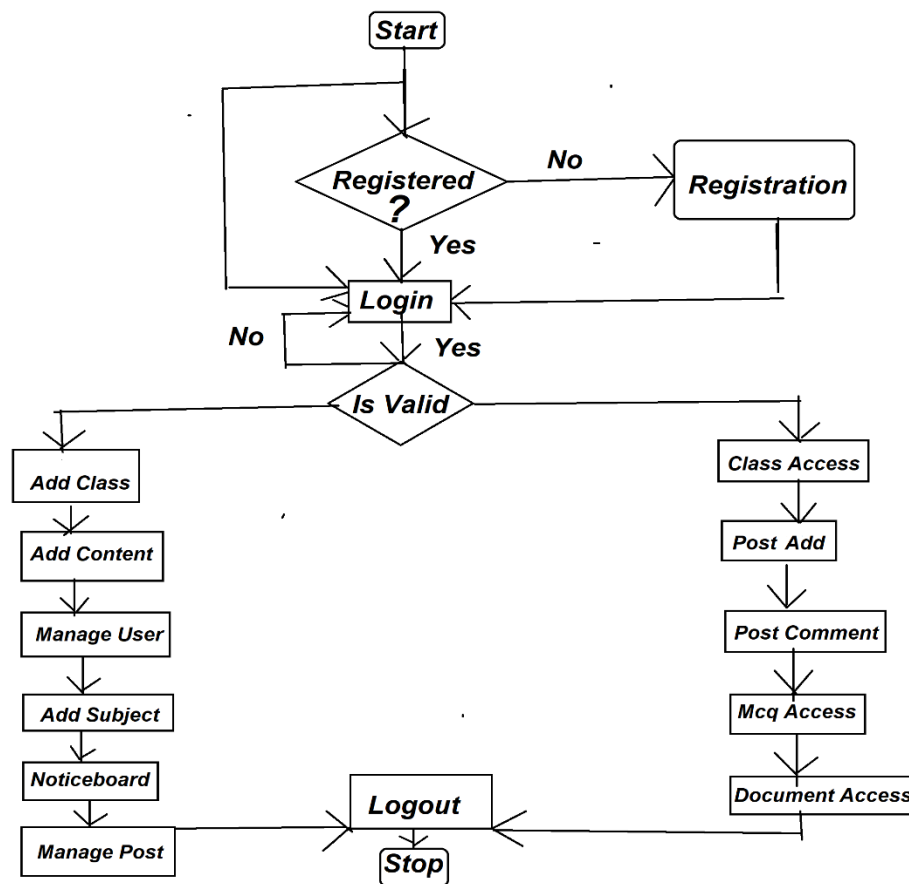


Figure 2.3 Flow Chart Diagram

3.10 Zero (0) Level DFD:

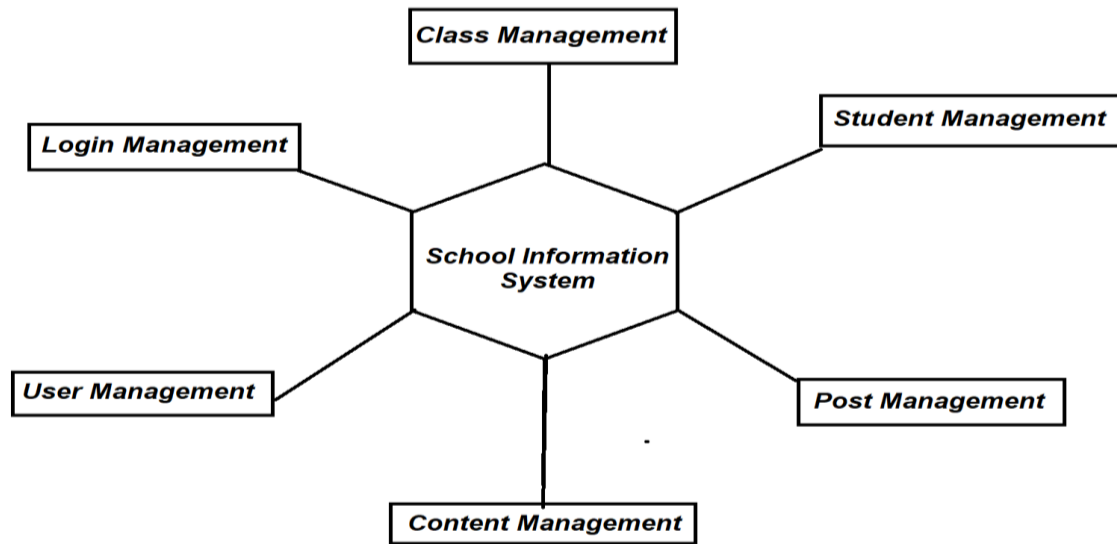


Figure 3.1 DFD Zero level

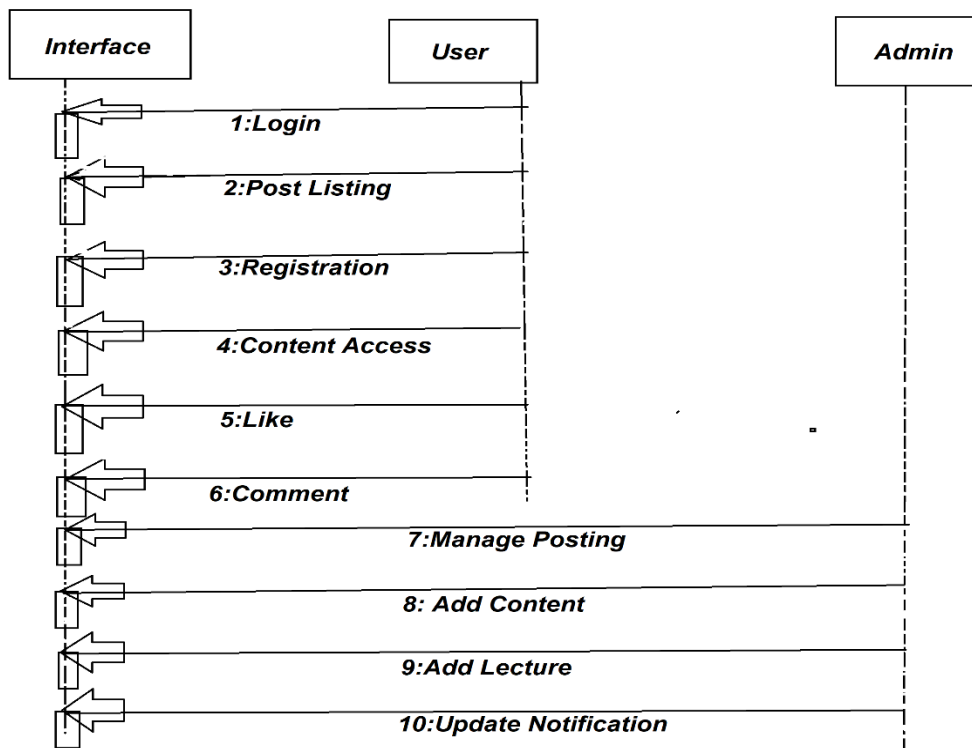


Figure 3.2 Flow Chart Diagram

3.11 Analysis and gathering of requirements

Gathering Requirements:

1. Administration
2. Personal information Management system
3. Attendance
4. Result
5. Accounts
6. Database Platform

3.12 Requirement Analysis:

Serial No	Requirement Name	Requirement analysis
1	Admin	Login, logout, maintenance user profile, user content, Student's registration, update notification on the notice board.
2	Student	Login and logout, manage profile, give the exam, post publish, post like and comment seen update notice, seen the lecture slide, Submit answer script, access MCQ exam.
3	Teacher	Login, logout, Manage and update profile, add content, add subject, Create assignment and question paper, take exam, Post publish.

Table:3.1 Requirement Analysis

Chapter 4

DESIGN SPECIFICATION

4.1 Front-end design:

Front-end application is client-side creation of online applications. It directly interacts those applications whose are HTML, CSS, JAVASCRIPT etc. Front-end design is the most important aspect of creating a website. A user interface that is both attractive and intuitive. We also learn about that how to use HTML to show various aspects of a web page. In our project system's front end has been designed to be simple and user-friendly. It makes it easier for the all kinds of student to visit easily.

4.2 Navigation Bar:

A navigation bar is segment of a website's user interface which contains links to certain other sections of the website. The main website template generally involves a menu bar.



Figure 3.3: Navigation Bar/Manu Bar

4.3 Registration (“ রেজিস্ট্রেশন ”):

Registration forms are the most important part of a website. It can collect data from users. So we used registration to get user details and inputs such as name, age, and email address.

Admin checks to see how many students have completed their registration and how many have not. Is the registration process followed correctly or incorrectly by the students?

"চলো ,নতুন একাউন্ট তৈরী করি "

ইউজারের নাম লিখো*

তোমার নাম লিখো*

তোমার ইমেইল ঠিকানা লিখো*

পাসওয়ার্ড দাও*

পাসওয়ার্ডটি পুনরায় দাও*

জীবন বৃত্তান্ত লিখো*

তোমার প্রোফাইলে,তোমার ছবি যুক্ত করো

No file chosen

ব্যবহারকারীর ধরণ*

ইতিমধ্যে,আপনার একটি একাউন্ট আছে? [লগ ইন করতে](#)

Figure 4.1: Registration from

4.4 Log-in, Log-Out System (“লগ-ইন/ লগ-আউট ”):

Student, Teacher and admin can easily login use unique user id and password. But the user must complete the registration before log in.

" লগ-ইন "

ইউজারের নাম লিখো:

পাসওয়ার্ড দাও:

Figure 4.2: User Sign In

4.5 Our School (“আমাদের-বিদ্যালয়”):

Here is a picture of our school, as well as the year it was founded, a Google map, and information on its current state

কাদিরাবাদ উচ্চ বিদ্যালয়, রংপুর



আমাদের বিদ্যালয়ের নাম কাদিরাবাদ উচ্চ বিদ্যালয়। এখানে ষষ্ঠ থেকে দশম শ্রেণি পর্যন্ত পাঠদান করা হয়। বিদ্যালয়টি আমাদের গ্রামে অবস্থিত। আমাদের বিদ্যালয়টি অত্যন্ত সুন্দর ও মনোরম পরিবেশে অবস্থিত। বিদ্যালয়টির বয়স প্রায় ৮০ বছর। হাজার হাজার শিক্ষার্থী এই বিদ্যালয়ে পড়াশোনা করে কীর্তিমান হয়েছেন। আমাদের বিদ্যালয়টি দেখতে অনেক সুন্দর। সারি সারি সবুজ গাছের ছায়াঘেরা স্কুলটি একটি দোতলা ভবন। ভবনটি হলুদ রঙের। নিচতলায় শিক্ষকদের কক্ষ, অফিসকক্ষ, বিজ্ঞানাগার ও পাঠাগার। পাঠাগারে দেশি-বিদেশি নানা রকম বই ও পত্রপত্রিকা রাখা হয়। দোতলায় সবগুলো শ্রেণিকক্ষ। বিদ্যালয়টির সামনে একটি খেলার মাঠ এবং দুদিকে দুটি ছোট বাগান আছে। প্রতিদিন সকাল আটটা থেকে বিকেল চারটা পর্যন্ত ছাত্রদের কোলাহলে মুখর হয়ে থাকে বিদ্যালয় প্রাঙ্গণ। প্রায় ৮০০ ছাত্রছাত্রী ও ৩৫ জন শিক্ষক আছেন এ বিদ্যালয়ে। শিক্ষকেরা আমাদের যত্ন নিয়ে পড়ান ও ভালোবাসেন। আমাদের বিদ্যালয়ের শিক্ষকেরা খুবই আন্তরিক। আমাদের শিক্ষাদানের জন্য তাঁরা আপ্রাণ কাজ করে যাচ্ছেন। আমরা আমাদের বিদ্যালয়কে যেমন ভালোবাসি ঠিক তেমন ভালোবাসি আমাদের শিক্ষকদেরও।

Figure 4.3: About Our School

4.6 Teacher introduction (“শিক্ষক-পরিচিতি”):

Here's where you'll find information about the teachers as well as photos of them. In this section students can learn about teachers and communicate with them through different media.



Figure 5.1: Teachers Information

4.7 Article writing/Post publish (“চলো লিখি”):

On this platform, teachers and students can write a variety of various types of writing such as short stories, drawings, novels, poems. They will be able to present their latent talents all over the world.

এখানে তোমার সৃজনশীলতা প্রকাশ করোঃ

তোমার পছন্দমত একটি শিরোনাম দাওঃ*

এখানে তোমার মনের ভাব প্রকাশ করো *

ছবি যুক্ত করো*

Choose file

No file chosen

এখন প্রকাশ করো

Figure 5.2: Teachers Information

4.8 Our Writing (“আমাদের লেখা”):



"আমার আঁকা শহীদ মিনার"

নাম: মোঃ আব্দুল্লাহ আল নোমান
শ্রেণি: ষষ্ঠ শ্রেণি
শাখা: জব্বা
রোল: ৩
অঙ্কন: শহীদ মিনার.....

আরও পড়ুন

Nov. 28, 2021, 9:11 p.m.
পোস্টটি করেছেন: @noman
(1) জন পছন্দ করেছে | (1) জন মন্তব্য করেছে



"শিক্ষকের মর্যাদা"

নোমান

শিক্ষক মানে মনের মধ্যে
শিক্ষন আছে আর,
শিক্ষক মানে কর্তব্য আর
ফর্মার সমাধার।
শিক্ষক মানে যিনি হলেন
প্রকৃত শিক্ষন দাতা,
শিক্ষক মানে পিতার পরে
দ্বিতীয় পিতা মাতা।
শিক্ষক মানে ভাবতে পারি
এমন একটি লোক,
যিনি আমাদের বন্ধু এবং
পথপ্রদর্শক।
শিক্ষক মানে একটি জীবন
আদর্শ অথবা,
শিক্ষক মানে একটি জাতির
শক্ত মেরুদণ্ড।"

আরও পড়ুন

Nov. 27, 2021, 10:59 p.m.
পোস্টটি করেছেন: @noman
(1) জন পছন্দ করেছে | (2) জন মন্তব্য করেছে

Figure 5.3: Post List

4.9 Noticeboard (“নোটিস”):

Students can check their grades, school and essential information, class schedules, and vacation lists on this notice-board.

নোটিস: আমাদের অনলাইন বিদ্যালয়ে স্বাগতম, বাসায় থাকুন পরিবার সঙ্গে থাকুন। স্বাস্থ্যবিধি মেনে চলুন। ঘ

Figure 6.1: Noticeboard

4.10 Reading Page (“পড়াশুনা”):

If the user wants to access the reading page, he/she must complete the registration and login. He/she will never be able to access this page. If he/she wants to access this page without logging in, he/she will see the interface below.

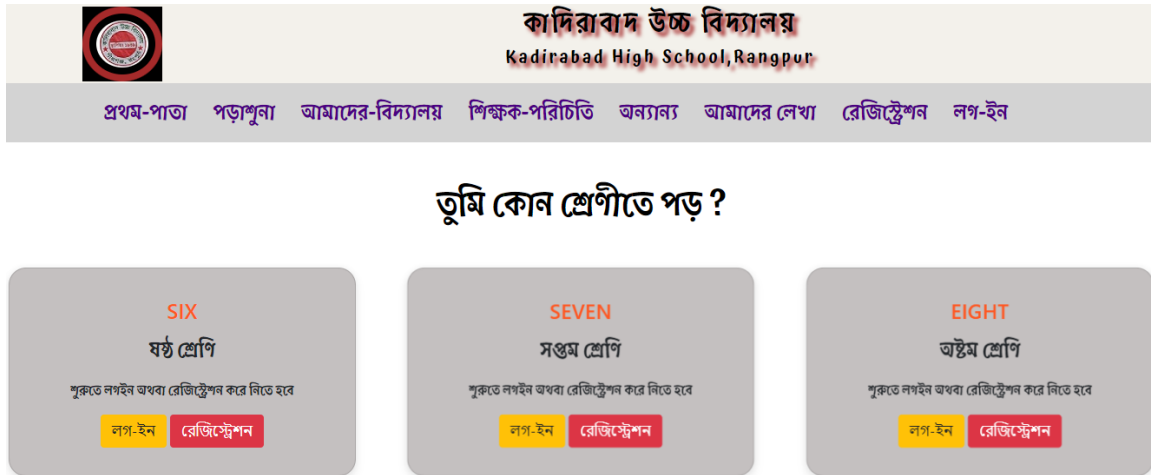


Figure 6.2: Subject Materials

If the login is complete then he/she can see this interface. Lecture slides, class videos, and assessment tests for all classes from 6th through to 10th grade are available here. So that pupils can understand and pay attention to the material.

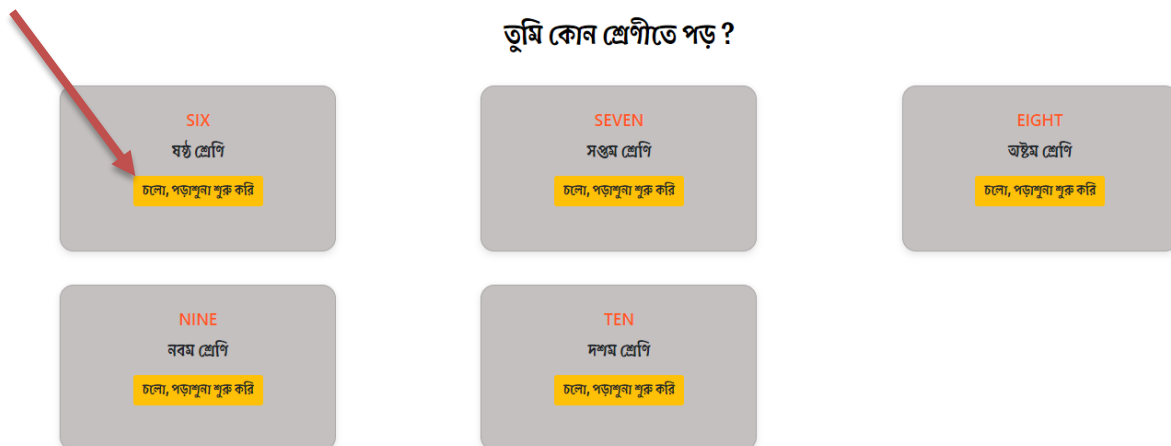


Figure 6.3: Teachers Information

Suppose a student who reads in class six, then he/she choose his/her subject and click the subject, then website goes to the page and student can be read particular subject and particular topic.

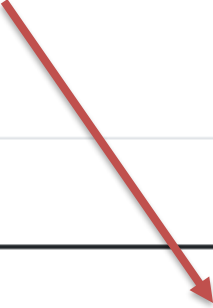
আমি ষষ্ঠ শ্রেণীতে পড়ি আমার বই



Figure 7.1: Lecture Materials and self-test

চারুপাঠ

সূচিপত্র



অধ্যায়	বিষয়বস্তু	পৃষ্ঠা
1	1_সততার পুরস্কার	1
2	2_মিনু	2

নতুন অধ্যায় যুক্ত করি

Figure 7.2: Subject Materials

If the student clicks on " Satatar Puraskar"(সততার পুরস্কার)" then it will take you to another new page from which students will be able to collect all kinds of information on that topic like Writer Details, Purpose of this lesson, lesson introduction, go back to the book, let's do class, important information in this chapter, if any students want to know anything about this in this topic then students Can comment, homework, and take MCQ exam to verify yourself.

1_সততার পুরস্কার

মুহম্মদ শহীদুল্লাহ



মুহম্মদ শহীদুল্লাহ নামঃ মুহম্মদ শহীদুল্লাহ। জন্ম পরিচয় জন্ম : ১৮৮৫ খ্রিষ্টাব্দ। জন্মস্থান : ভারতের পশ্চিমবঙ্গের চব্বিশ পরগনা জেলার পেয়ারা গ্রাম। শিক্ষাজীবন ১৯০৪-এ হাওড়া জেলা স্কুল থেকে এন্ট্রান্স পাস। ১৯০৬-এ কলকাতা প্রেসিডেন্সি কলেজ থেকে এফএ পাস। ১৯০৯-১৯১০ এ কলকাতা সিটি কলেজে অধ্যয়ন ও সংস্কৃতে অবাসমসহ বিএ পাস। ১৯১২-তে কলকাতা বিশ্ববিদ্যালয় থেকে তুলনামূলক ভাষাতত্ত্বে এমএ পাস। ১৯১৪-তে বিএল পাস। ১৯০৪-এ হাওড়া জেলা স্কুল থেকে এন্ট্রান্স পাস। ১৯০৬-এ কলকাতা প্রেসিডেন্সি কলেজ থেকে এফএ পাস। ১৯০৯-১৯১০ এ কলকাতা সিটি কলেজে অধ্য

পাঠের উদ্দেশ্যঃ

'সততার পুরস্কার' গল্পটিতে সং, কৃতজ্ঞ ও ভালো মানুষকে আল্লাহ কীভাবে পুরস্কৃত করেন তারই বর্ণনা করা হয়েছে। এ গল্প থেকে যা শিখলাম তা হলো: ১. আল্লাহ বিভিন্নভাবে মানুষকে পরীক্ষা করেন। ২. আল্লাহ বিপদ থেকে মুক্ত করলে তাঁর কৃতজ্ঞতা প্রকাশ করা উচিত। ৩. আল্লাহর অনুগ্রহ পেয়ে কৃতজ্ঞতা প্রকাশ না করলে আল্লাহ বেজার হন।

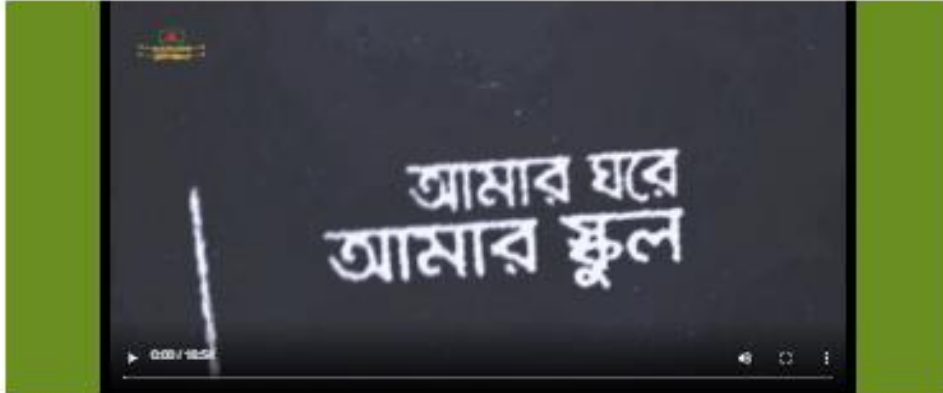
পাঠ পরিচিতিঃ

ইহুদি বংশের তিনজন লোককে পরীক্ষা করার জন্য আল্লাহ একজন ফেরেশতা পাঠান। তিনজনের একজন ধবল রোগী, একজন ধনী ও আরেকজন অন্ধ। ফেরেশতার অনুগ্রহে তিনজনই সুস্থ, স্বাভাবিক চেহারা পেল। উপরন্তু প্রথমজন একটি উট উপহার পায়, যা থেকে সে পরে অনেক উটের মালিক হয়। দ্বিতীয়জন একটি গাভি থেকে বহু গাভি এবং তৃতীয়জন একটি ছাগল থেকে অনেক ছাগলের মালিক হয়। অনেক দিন পর ফেরেশতা একজন অসহায় মানুষের হৃদয়বেশে প্রথমজনের কাছে গিয়ে তার আগের দুরবস্থার কথা স্মরণ করিয়ে দেয়। তারপর সে একটি উট ডিঙকা চায়। ফেরেশতার অনুগ্রহে তিনজনই সুস্থ, স্বাভাব

চলো বইয়ে ফিরে যাইঃ

ক্লিক করুন

চলো ক্লাস করিঃ



এই অধ্যায়ের, গুরুত্বপূর্ণ তথ্যঃ

গুরুত্বপূর্ণ তথ্য দেখার জন্য নিচে ক্লিক করুন

ক্লিক করুন

বাড়ির কাজঃ

প্রকাশ করা হয়ঃ Nov. 1, 2021

জমা দেয়ার শেষ তারিখঃ Nov. 15, 2021

বাড়ির কাজ

ক্লিক করুন

উল্লেখ্যঃ

Figure 7.3: Subject Materials

4.12 Online Exam:

Students can improve their skills by evaluation quizzes from all classes

চলো নিজেকে যাচাই করি

* ফেরেশতা কোন ইদুনির কাছে প্রথম আসেন ?

- ক. খালেদ
- খ. খবল রোবীর
- গ. অদ্বের
- ঘ. ডাকওয়ালার

সঠিক উত্তর হল: (গ. অদ্বের)

* মতভার পুরস্কার থেল্লের লেখক কে ?

- ক. সৈয়দ মুজতবা আলী
- খ. মুহাম্মদ শহীদুল্লাহ
- গ. কাজী নজরুল ইসলাম
- ঘ. শওকত ওসমান

সঠিক উত্তর হল: (খ. মুহাম্মদ শহীদুল্লাহ)

* মুহাম্মদ শহীদুল্লাহ কত মানে জন্মগ্রহণ করেন ?

- ক. ১৮৫৫
- খ. ১৮৬৫
- গ. ১৮৮৫
- ঘ. ১৮৯৫

সঠিক উত্তর হল: (গ. ১৮৮৫)

* মুহাম্মদ শহীদুল্লাহ কত মানে মৃত্যুবরণ করেন ?

- ক. ১৯৫৯
- খ. ১৯৬৯
- গ. ১৯৮৯
- ঘ. ১৯৭৯

সঠিক উত্তর হল: (গ. ১৯৮৯)

* প্রথম ইদুনি ব্যক্তির সর্বাঙ্গ কেমন ছিল ?

- ক. রক্তাক্ত
- খ. খবল
- গ. সাদা
- ঘ. কালো

সঠিক উত্তর হল: (খ. খবল)

* তৃতীয় ইদুনি ব্যক্তিটির কী সমস্যা ছিল ?

- ক. মাথায় টাক
- খ. পজুতু
- গ. খবল রোগ
- ঘ. অন্ধত্ব

Figure 8.1: MCQ Exam

4.13 Comment:

Students can ask Questions in the comments section if they want to know anything.

কোন কিছু জানার থাকলে কमेंট এ প্রশ্ন করতে পারি

মন্তব্য দিন*

এখানে আপনার মূল্যবান মন্তব্যটি দিন

কमेंট যুক্ত করি

noman পোস্ট টি করা হয়েছে: Nov. 28, 2021, 9:09 p.m.

thank you sir

মন্তব্য দিন:

যুক্ত করি

noman পোস্ট টি করা হয়েছে: Nov. 26, 2021, 12:25 a.m.

ধন্যবাদ স্যার।

মন্তব্য দিন:

যুক্ত করি

Figure 8.2: Comment Section

4.14 Guidelines:

Every organization has some restrictions or guidelines. Similarly, if we want to access this application, we have to follow some guidelines.



কাদিরাবাদ উচ্চ বিদ্যালয়
Kadirabad High School, Rangpur

প্রথম-পাতা পড়াশুনা আমাদের-বিদ্যালয় শিক্ষক-পরিচিতি অন্যান্য আমাদের লেখা রেজিস্ট্রেশন লগ-ইন

শর্ত-১
প্রত্যেক ছাত্রছাত্রীকে প্রযুক্তির
সঠিক ব্যবহার করতে হবে।

শর্ত-২
ওয়েবসাইটের তথ্য গুলো প্রচার
প্রসারের জন্য সব ধরনের
মিডিয়াতে শেয়ার করতে পারবে।

শর্ত-৩
কেউ তথ্য বিনিময়ে অর্থ লেনদেন
করতে পারবে না।

শর্ত-৪
সঠিক তথ্য দিয়ে রেজিস্ট্রেশন
করতে হবে।

শর্ত-৫
টার্ম পরীক্ষায় ভালো না করলে
(৭০%) শিক্ষার্থীকে বোর্ড
পরীক্ষায় বসতে দেওয়া হবে না।

শর্ত-৬
বিদ্যালয়ে পরিচ্ছন্নতার ব্যাপারে
প্রত্যেক শিক্ষার্থীকে সতর্ক ও
আন্তরিক হতে হবে।

Figure 8.3: Guidelines

4.15 Alumni information:

Names, photographs, addresses, and success stories of alumni are listed on the Alumni Information Page.

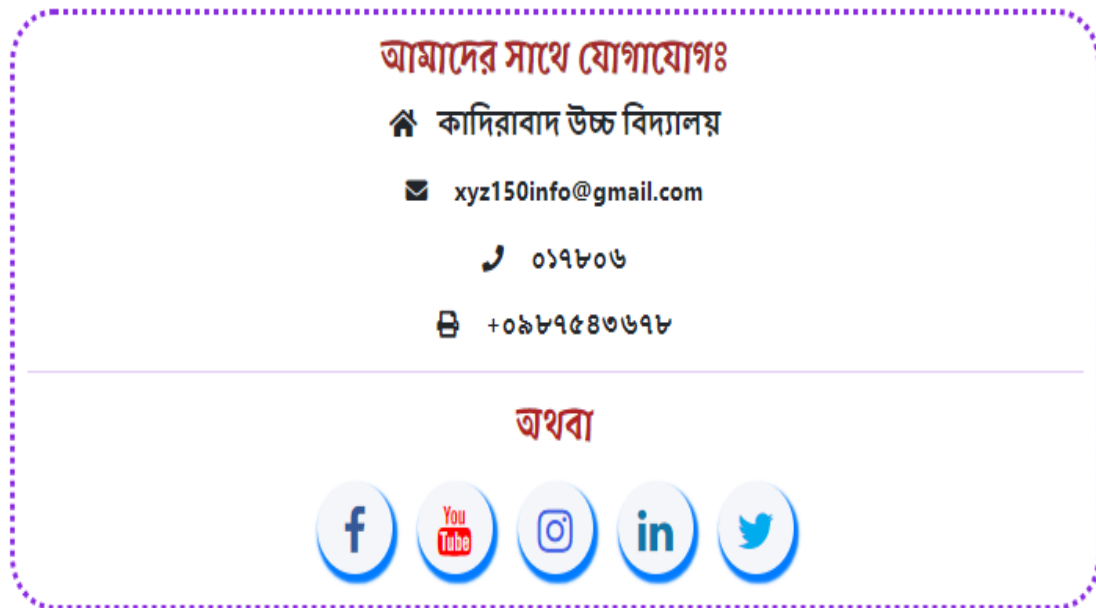
প্রাক্তন ছাত্রদের সফলতা



Figure: 9.1 Alumni Information

4.16 Contact:

Here we include social platform, LinkedIn ID, Facebook, g-mail etc. Anyone can Contact or to know any information they will be communicated with this platform.



© ২০২১ কপিরাইট: * অপারেশন সার্চলাইট *

Figure: 9.2 Contact Section

4.17 Guidelines



Figure: 9.3 Front-end part

4.18 Design of Back-end

Back-end is another name for server-side design. A server, an application, and a database make up the backend. When you wanted to admit of famous school, then you visit website of school and interact with the frontend. Once you've entered the information, the application saves it to a server-based database. Our project's background is also Django and SQLite database.

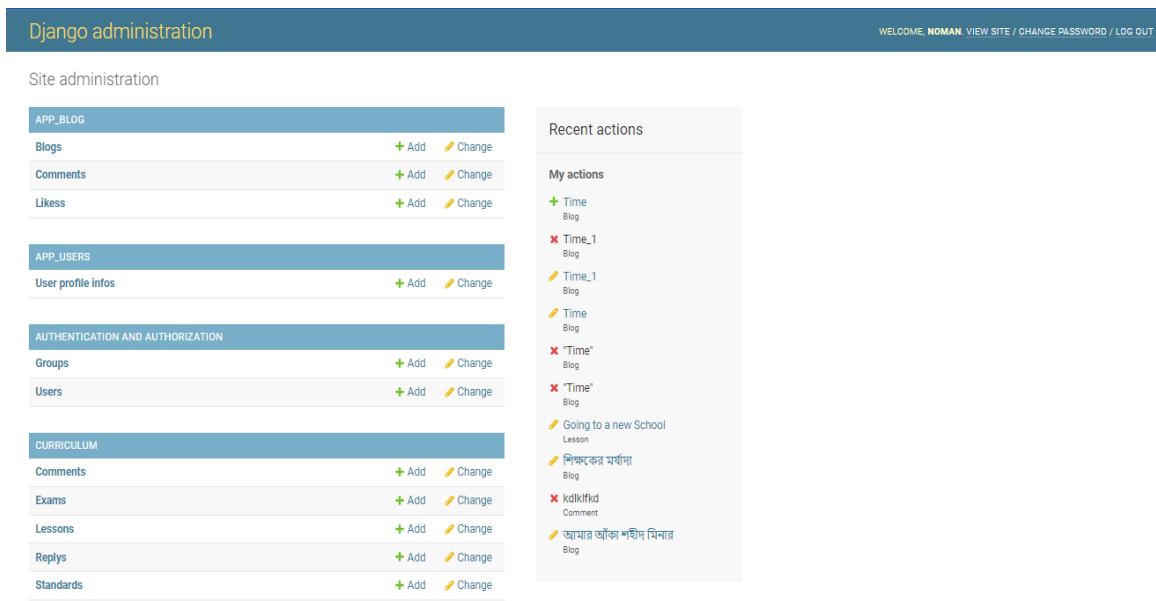


Figure: 10.1 Admin Panel

Backend parts also in our project:

1. Login & Logout system

4.19 Implementation Requirement

Our projects Backend parts is also made by Python, Django and SQLite.

Django framework allows:

1. Quicker development
2. More reusability
3. Optimal plug ability
4. Reduced coding
5. Django's security is very strong.
6. It speeds up the development process significantly.

4.20 Database Information:

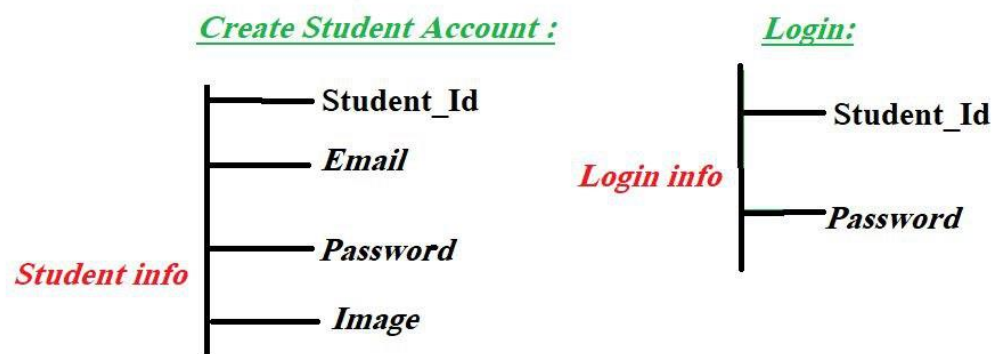


Figure 10.2: Student Account and Login

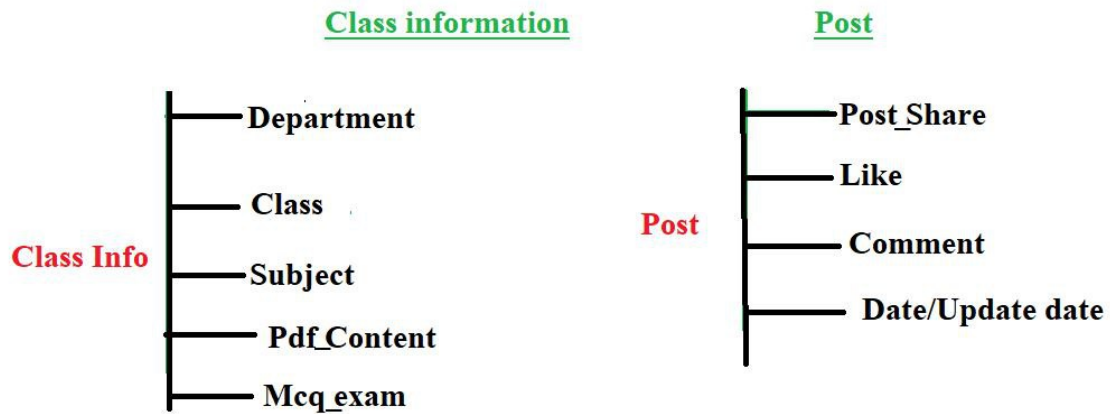


Figure 10.3: Class Information and post

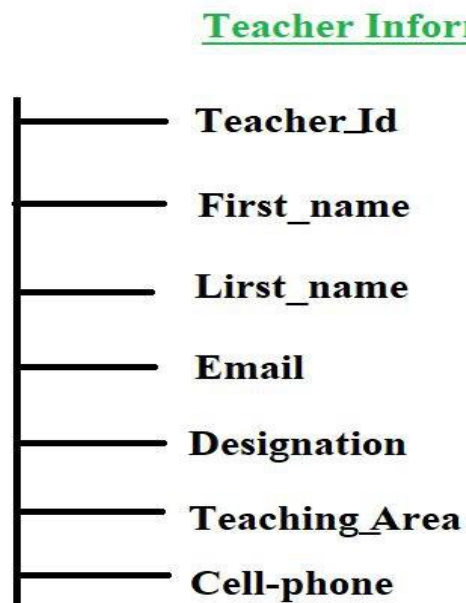


Figure 11.1: Teacher Information

4.21 Run Django administration:

The screenshot shows the Django administration interface. The top header is "Django administration" with a "WELCOME, NOMAN" message. The breadcrumb trail is "Home > Authentication and Authorization > Users". The left sidebar has a menu with "APP_USERS" (containing "User profile infos" with a "+ Add" link), "AUTHENTICATION AND AUTHORIZATION" (containing "Groups" and "Users" with "+ Add" links), and "CURRICULUM" (containing "Comments", "Lessons", "Replies", and "Standards" with "+ Add" links). The main content area is titled "Select user to change" and features a search bar. Below the search bar is an "Action:" dropdown menu and a "Go" button, with "0 of 4 selected" indicated. A table lists four users:

☐	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
☐	admin	admin@admin.com			✓
☐	noman	n@gmail.com	noman	khan	✗
☐	noman1	n1@gmail.com			✓
☐	noman2	abdulla15-2047@diu.edu.bd	Md:Abdulla Al Noman		✗

4 users

Figure 11.2: User Information

The screenshot shows the Django administration interface. The top header is "Django administration". The breadcrumb trail is "Home > Curriculum > Standards". The left sidebar has a menu with "APP_USERS" (containing "User profile infos" with a "+ Add" link), "AUTHENTICATION AND AUTHORIZATION" (containing "Groups" and "Users" with "+ Add" links), and "CURRICULUM" (containing "Comments", "Lessons", "Replies", "Standards" (highlighted in yellow), and "Subjects" with "+ Add" links). The main content area is titled "Select standard to change" and features an "Action:" dropdown menu and a "Go" button, with "0 of 5 selected" indicated. A table lists five standards:

☐	STANDARD
☐	TEN
☐	NINE
☐	EIGHT
☐	SEVEN
☐	SIX

5 standards

Figure 11.3: Add lesson

Django administration

Home › Curriculum › Subjects

APP_USERS

User profile infos
Add

AUTHENTICATION AND AUTHORIZATION

Groups
Add

Users
Add

CURRICULUM

Comments
Add

Lessons
Add

Replies
Add

Standards
Add

Subjects
Add

Select subject to change

Action:
Go
0 of 6 selected

☐ SUBJECT

☐ বাংলা ১ম

☐ ইংরেজি ১ম

☐ বাংলাদেশ ও বিশ্বপরিচ

☐ গণিত

☐ বিজ্ঞান

☐ চারুপাঠ

6 subjects

Figure 12.1: Subject Selection

Chapter 5

TESTING AND IMPLEMENTATION

5.1 Database Deployment

We have also first created Database name, then create student_info, login for student. Then we create class info, post_info. Then Create teacher info. Every table name has also some attributes. Our database is also opened by Django Administration and it is open on Django local host server.

5.2 Front-end Implementation

Our website, which is our primary purpose, is designed to get into the hands of all types of learners. Our website is written in simple Bengali to make it easy to understand. Another crucial consideration is that the website should work well on a variety of devices, including smartphones, tablets, and laptops.

Some features of our front-end Part:

1. Have a nice user interface.
2. Student can post any kinds of article (“Cholo Likhi”) in the option.
3. Registration system and login-logout system has here.

5.3 Testing Implementation

In our project we First create let's create new account (cholo, notun account create kori). Then student fill up this form. In this form included to User name, your name, your e-mail address, password, again password etc. Then student can access to login his/her user's name, password etc. If student change his/her profile information then they visit let's change information and update his/her profile, and they can post any types of article /videos

or drawing picture for “cholo likhi” options and they can show in their post and videos also like, comment.

APP_USERS

User profile infos + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

CURRICULUM

Comments + Add

Lessons + Add

Replys + Add

Standards + Add

Subjects + Add

Change user profile info

History

noman2

User:

noman2 ✎ +

Bio:

I am student.

তোমার প্রোফাইলে, তোমার ছবি যুক্ত করো :

Choose file

No file chosen

User type:

student ▾

Delete

Save and add another

Save and continue editing

SAVE

Figure 12.2: Change Information

5.4 Result of Testing:

In this part we will evaluate our whole project and see if there is any technical error or bug somewhere. If so, I will write something error and if not, I will write Successfully Passed.

S.L No	Test Result	Expected Result	Result
1.	Registration	If any new user wants to access all the facilities of our website then he/she must register. For this, the user has to give some information such as: Unique user name, name, email, password, bio data, picture and type of user by clicking on submit button this information will be stored in the database.	Successful
2.	Log In	Student, Teacher and admin can easily login use unique user id and password. But the user must complete the registration before log in.	Successful
3.	Add Content	Teachers and admins can easily add all kinds of information such as lectures, videos, PDF, images, MCQ questions to the website or directly from the admin panel.	Successful
4.	Post Publish	Teachers and students can write a variety of various types of writing such as short stories, drawings, novels, poems. They will be able to present their latent talents all over the world.	Successful
5.	Comment and Like Passing	Anyone who has registered will be able to Like and Comment on their posts. At the moment like and comment is added to the database.	Successful
6.	Log Out	Users can exit from the application using the log-out.	Successful

Table 3.2: Result of Testing

Chapter 6

CONCLUSION AND FUTURE SCOPE

6.1 Summary of Findings

In our project we made educational based. Our project's purpose is to abolish educational prejudice. This platform will play vital role in the study of the era of the Fourth Industrial Revolution in our country, even if the outbreak of Corona pandemic is over. Our Project is mostly beneficial to rural areas student.

6.2 Future Scope

In future we include some features where are:

1. Chat bot System, Attendance System.
2. Users will be able to provide registration fees, exam fees, and tuition fees using the payment method through the Bangladeshi money transfer systems such as BkasWeh, Rocket, or Nogod.
3. In the future, we will make the design of the user interface more attractive.
4. We want to work VR S

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2. <https://developer.mozilla.org/en-US/docs/Web/CSS>
3. <https://elearn.daffodilvarsity.edu.bd/>
4. <https://10minuteschool.com/>
5. <https://www.w3schools.com/>
6. <https://www.vnsc.edu.bd/>
7. <https://www.sqlite.org/index.html>