

ELOY: AN ONLINE BASED NON-EXAM EVALUATION SYSTEM.

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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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DAFFODIL INTERNATIONAL UNIVERSITY

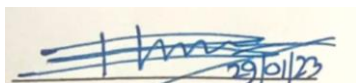
DHAKA, BANGLADESH

JANUARY 2023

APPROVAL

This Project titled “**Eloy: An Online Based Non-Exam Evaluation System**”, submitted by Ahmed Saif Sobraj, Md. Nishat Zaman Zahid and Md. Tariqul Islam Seyam, ID no: 191-15-12739, 191-15-12691, 191-15-12616 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 25/01/2023.

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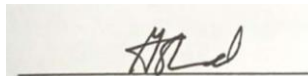


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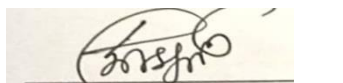
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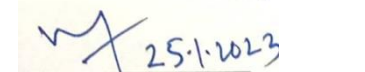
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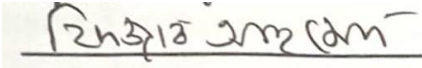
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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Dr. Fizar Ahmed, Associate Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

In Bangladesh education quality is dropping day by day because students just want to get marks rather than getting proper knowledge. That's why the government of Bangladesh decided that there will be no exam for primary students. Students will be graded for their overall performances in their class. That will bring quality to our education and student will focus more on knowledge rather than marks. In this era of technology everyone has access to internet and in order to manage this work easier we decided to develop a website to evaluate student on their daily performances in class where the students or guardians will be able to see the performance of the students. A super admin will manage the overall system where they can add teachers and assign them a class. They can add students and can edit or delete their information. They can also add a sub-admin to control the system in their absence. The teachers will get a username and password from the admin to access the system or they can register and then they have to give the username and password to login into the system. Then they can see all the students assigned and can edit their information if needed. They can add tasks, upload the student's work in that task and give their marks. After a year the students will get a final mark based on their overall performances. The students will be able to login by giving their user's name and password. If they did not register, they have to register by giving their name, class, ID and a password. Teacher can see the student registered and activate it. After activation the student will be able to login into the system. After login they can only see their marks on their performances, final grade and change their password and information. This is our effort to make it easier for teachers and students to cope up with the new way of education.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Eloy is a website for the students and teachers to manage tasks, information and evaluation results without taking exams. It is based on the current decision of the Bangladesh government to not take any exams for primary school students. As it is a new decision there is no available system for any educational institutes to manage this type of work. That's why we developed this system. It will help the teachers to manage and evaluate students easily. With our website students or their guardians can see the performance of the students. It is accessible from anywhere. It is easy to use and it is time beneficial. It is responsive and it makes the process of evaluating students tranquil.

1.2 Motivation

Prime Minister Sheikh Hasina had instructed the ministry to not hold any exams for students of class 1-3 [1]. “There will be no traditional exams first, second term or yearly up to class III. The students will be assessed in their classes throughout the year,” said Primary and Mass Education Ministry Secretary Akram-al-Hossain (September 5, 2019) [2]. Students will also be evaluated on their overall performances like etiquette, manner and discipline at school. In order to manage this type of work we develop this website where the teachers will easily evaluate the students and the students will be able to see their evaluation.



Figure 1.1 Students Giving Exam.

1.3 Objectives

- Improve the standard of learning and teaching.
- Meet the requirements or needs of students and teachers.
- Enhance productivity and skills.
- To digitalize and introduce a better online-based education system to our upcoming generations.
- To relieve the stress and tension that student experience when studying.



Figure 1.2 Students using educational websites.

1.4 Learning Outcomes

Project: A web application that will help schools to evaluate students by not conducting any exam. It will be responsive, user-friendly and attractive for the users

It will Allow teachers to manage student's activities and students will be more attentive in class.

Personal: Develop our skills as a web developer. We will learn to work in a practical field environment. Improve our abilities and skills. Obtain useful work Experience.

1.5 Layout of Report

- Chapter 1 has initial discussion around the project's enthusiasm, aim and future results.
- Chapter 2 shows us the issues and challenges of evaluating students in Bangladesh and handling situations related to this work.
- Chapter 3 shows us the useful necessities of our website in use case and class diagrams.
- Chapter 4 shows us approximately our project's frontend and backend plans.
- Chapter 5 shows us the execution and testing of our project.
- Chapter 6 describe us about the conclusion and future development for this project.
- Chapter 7 is all about the references we have used for this project.

CHAPTER 2

BACKGROUND STUDY

2.1 Introduction

Evaluating students more accurately we must seek different approaches. There are several portals out there but those are usually for higher education. This time, we are going to introduce a platform to our children for their greater good which will be a ground-breaking step to digitalize our upcoming generation. As this phototype project will be testing among students and faculties, we will face several barriers and consequences during implementation. And we will ensure that those barriers will be fixed according to essential requirements. As a result, teachers will be able to evaluate students on the basis of their tasks and activities according to their curriculum which will be provide by the government.

2.2 Related Works

In this modern era, maximum universities provide different electronics or e-services platforms as their medium of teaching or evaluating students.

Google Classroom [3]

Blended Learning Centre [4]

DIU Student Portal [5]

As grown-up students, productivity of this kinds of platform is quite familiar with higher education institutes, and gradually people learning to understand its importance and needs among all students. The more they will adapt with new technology, the capacity of thinking will automatically increase.

2.3 Problem Statement

Bangladesh, a developing country where education playing a vital role. Literacy of this country is 74.66 percent. To be more specific in the urban areas it is 81.28 percent where in rural area it is 71.56 percent.

Here, we clearly see the literacy difference between urban and rural areas, and the reasons of this difference is many such as poverty, technology source, lack of tech knowledge and so on. In rural areas, instead of following new and updated system they still follow the conventional education system. As children are losing interests of learning new things, no proper ways to witness their creativity and full potential.



Figure 2.1 Group studying.

Here we can see students in a rural area studying together in a room that lacks infrastructure facilities.

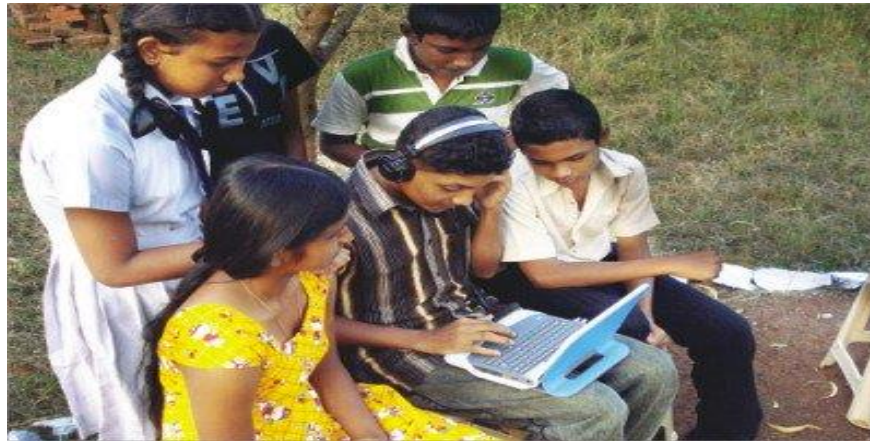


Figure 2.2 Sharing technology.

On the other hand, here we can see curious students are using new technology and they are sharing their experiences with each other.

2.4 Challenges

- Certainty of technology source.
- Availability of tech devices among students.
- Limited financial and stuffs.
- No familiarity with education tech and gadgets.
- Creating a proper, friendly and reliable way of network among teacher and students.
- Ensuring engagement of disconnected students.
- Providing tech related knowledge with practical experiences.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Requirement Collection and Analysis

The most important step before beginning any project is analysis. As a result, we are better able to deal with current issues and get ready for those we will encounter in the future. We can carry out and produce a solid project for this. Since the project involves a new system, it is extremely challenging for us to identify the needs in the analytical projects. So, we had a group discussion about it to determine any potential requirements. Our supervisor and classmates assist us. Together, we gather the project's needs and create the diagrams. Our major goal is to create a website that is practical, flexible, and fulfills its purpose.

3.2 Functional Requirements

Teacher:

1. Teacher can login or register with their name, id, email and password.
2. Teacher can view any student's information. They can search it or see the list of students.
3. Teacher can modify any student's information. For that they have to search the student through their name and id and have to select it to modify their information.
4. Teacher can also remove any student. For that they have to search the student through their name and id and have to select it to remove.
5. Teacher can activate any student if they register in the website for the first time. After activation the students can login.
6. Teacher can modify their profile and change password.
7. Teacher can add a task for the students.
8. Teacher can upload the students class performance in the task and give marks.

Student:

1. Student can login into the system with their name, id and password. If they register for the first time, they have to wait for the teacher to activate their profile after activation they can login.
2. Student can view the task given by the teacher, see their works that is uploaded by the teacher and they can also see their marks.
3. Students can see their final grade for their overall performances in the year.
4. Students can modify their information.

Admin:

1. Admin can login with their username and password.
2. Admin can add, view, modify and delete teacher.
3. Admin can add, view, modify and delete Student.
4. Admin can add Subjects.
5. Admin can assign any teacher to a class and subject.
6. Admin can change their password.

Super Admin:

1. Super Admin can make any teacher an admin.
2. Super Admin can login with their username and password.
3. Super Admin can add, view, modify and delete teacher.
4. Super Admin can add, view, modify and delete Student.
5. Super Admin can add Subjects.
6. Super Admin can assign any teacher to a class and subject.
7. Super Admin can change their password.

3.3 Use Case Model and Description

It described us about the concept and features of a website. Let's see the features of our website.

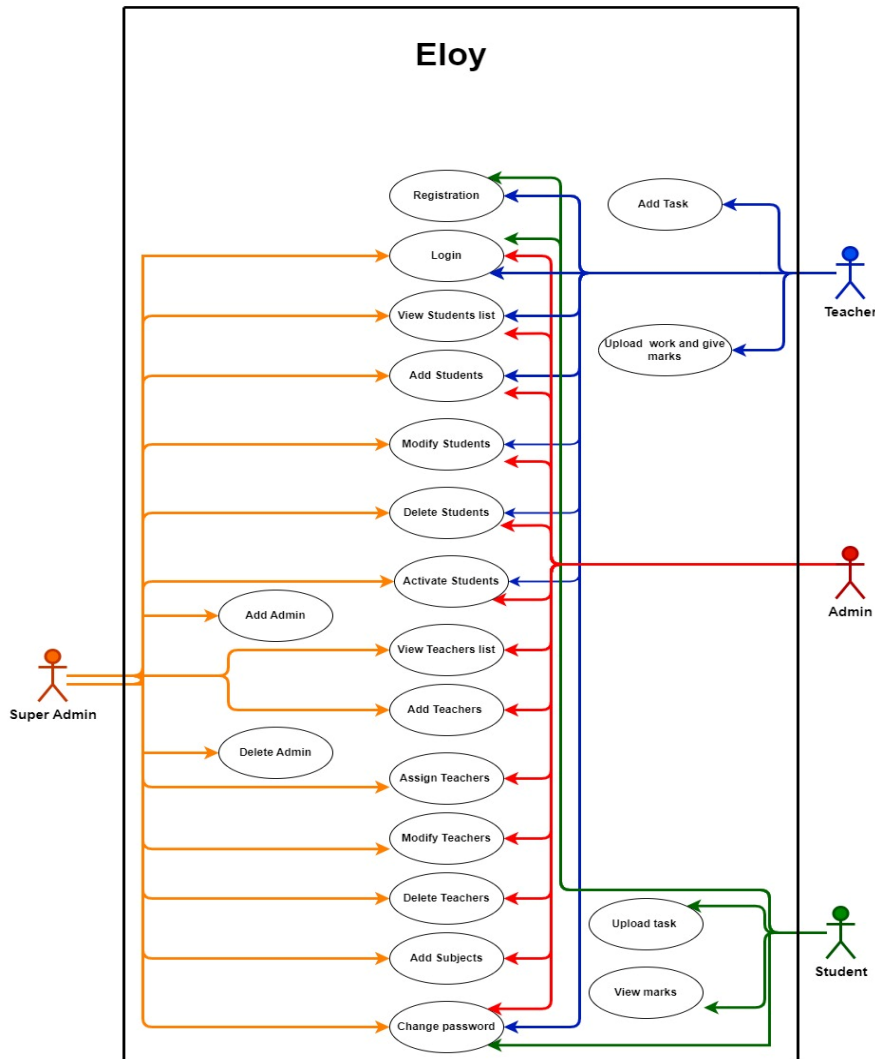


Figure 3.1: Use case diagram.

TABLE 3.1: REGISTRATION FOR TEACHER AND STUDENT

Use case Title	Registration
Type	Primary
Actors	Teacher, Student
Description	Teacher and Student can register new account to login.

TABLE 3.2: LOGIN FOR TEACHER, STUDENT, ADMIN AND SUPER ADMIN

Use case Title	Login
Type	Primary
Actors	Teacher, Student, Admin, Super Admin
Description	Teacher, Student, Admin, Super Admin can login into the system.

TABLE 3.3: VIEW STUDENT LIST FOR TEACHER, ADMIN AND SUPER ADMIN

Use case Title	View Student List
Type	Primary
Actors	Teacher, Admin, Super Admin
Description	Teacher, Admin, Super Admin can view all the registered student list.

TABLE 3.4: ADD STUDENTS BY TEACHER, ADMIN AND SUPER ADMIN

Use case Title	Add Students
Type	Primary
Actors	Teacher, Admin, Super Admin
Description	Teacher, Admin, Super Admin can add any student.

TABLE 3.5: MODIFY STUDENTS BY TEACHER, ADMIN AND SUPER ADMIN

Use case Title	Modify Students
Type	Primary
Actors	Teacher, Admin, Super Admin
Description	Teacher, Admin, Super Admin can modify any student's information.

TABLE 3.6: DELETE STUDENTS BY TEACHER, ADMIN AND SUPER ADMIN

Use case Title	Delete Students
Type	Primary
Actors	Teacher, Admin, Super Admin
Description	Teacher, Admin, Super Admin can delete any student's information.

TABLE 3.7: ACTIVATE STUDENTS BY TEACHER, ADMIN AND SUPER ADMIN

Use case Title	Activate Students
Type	Primary
Actors	Teacher, Admin, Super Admin
Description	Teacher, Admin, Super Admin can activate any student's account.

TABLE 3.8: VIEW TEACHERS LIST BY ADMIN AND SUPER ADMIN

Use case Title	View Teachers List
Type	Primary
Actors	Admin, Super Admin
Description	Admin, Super Admin can view any teachers list.

TABLE 3.9: ADD TEACHERS BY ADMIN AND SUPER ADMIN

Use case Title	Add Teachers
Type	Primary
Actors	Admin, Super Admin
Description	Admin, Super Admin can add any teachers list.

TABLE 3.10: ASSIGN TEACHERS BY ADMIN AND SUPER ADMIN

Use case Title	Assign Teachers
Type	Primary
Actors	Admin, Super Admin
Description	Admin, Super Admin can assign any teachers in any class.

TABLE 3.11: MODIFY TEACHERS BY ADMIN AND SUPER ADMIN

Use case Title	Modify Teachers
Type	Primary
Actors	Admin, Super Admin
Description	Admin, Super Admin can modify any teachers in the list.

TABLE 3.12: DELETE TEACHERS BY ADMIN AND SUPER ADMIN

Use case Title	Delete Teachers
Type	Primary
Actors	Admin, Super Admin
Description	Admin, Super Admin can delete any teachers in the list.

TABLE 3.13: ADD SUBJECTS BY ADMIN AND SUPER ADMIN

Use case Title	Add Subjects
Type	Primary
Actors	Admin, Super Admin
Description	Admin, Super Admin can add any subject for all class.

TABLE 3.14: CHANGE PASSWORD BY TEACHER, STUDENT, ADMIN AND SUPER ADMIN

Use case Title	Change Password
Type	Primary
Actors	Teacher, Student, Admin, Super Admin
Description	Teacher, Student, Admin, Super Admin can change their password.

TABLE 3.15: ADD ADMIN BY SUPER ADMIN

Use case Title	Add Admin
Type	Primary
Actors	Super Admin
Description	Super Admin can add any admin or can make any teacher an admin.

TABLE 3.16: DELETE ADMIN BY SUPER ADMIN

Use case Title	Delete Admin
Type	Primary
Actors	Super Admin
Description	Super Admin can delete any admin.

TABLE 3.17: ADD TASK BY TEACHER

Use case Title	Add Task
Type	Primary
Actors	Teacher
Description	Teacher can add any task for students.

TABLE 3.18: UPLOAD WORK AND UPLOAD MARKS BY TEACHER

Use case Title	Upload work and Upload marks
Type	Primary
Actors	Teacher
Description	Teacher can upload work and can give marks.

TABLE 3.19: UPLOAD TASK BY STUDENT

Use case Title	Upload Task
Type	Primary
Actors	Student
Description	Students can upload task assigned by the teachers.

TABLE 3.20: VIEW MARKS BY STUDENT

Use case Title	View marks
Type	Primary
Actors	Student
Description	Student can view marks for their task, performances and final grade.

3.4 Software Requirement

Front-end: HTML5, CSS3, Bootstrap5 and JavaScript.

Back-end: PHP.

Database: MySQL.

Our website can be accessible from any devices like Smart Phone, Tab, Laptop and Desktop if they are connected with the internet.

3.5 Business Process Modeling

In below the explanation of the Business Process Model of our website Eloy for Super Admin, Admin, Teacher and Student is given.

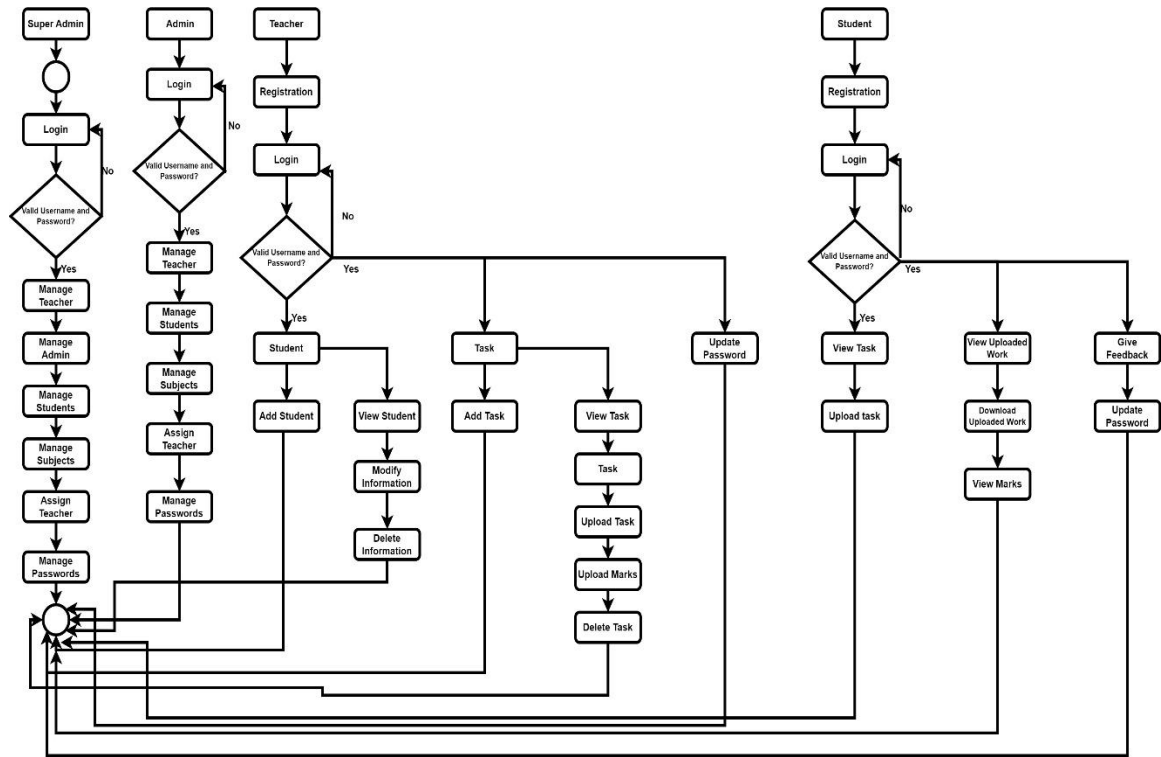


Figure 3.2: Business Process Modeling (Super Admin, Admin, Teacher, Student).

3.6 Data Flow Diagram

In below the Data Flow Diagram level 0 and 1 For our website Eloy is given.

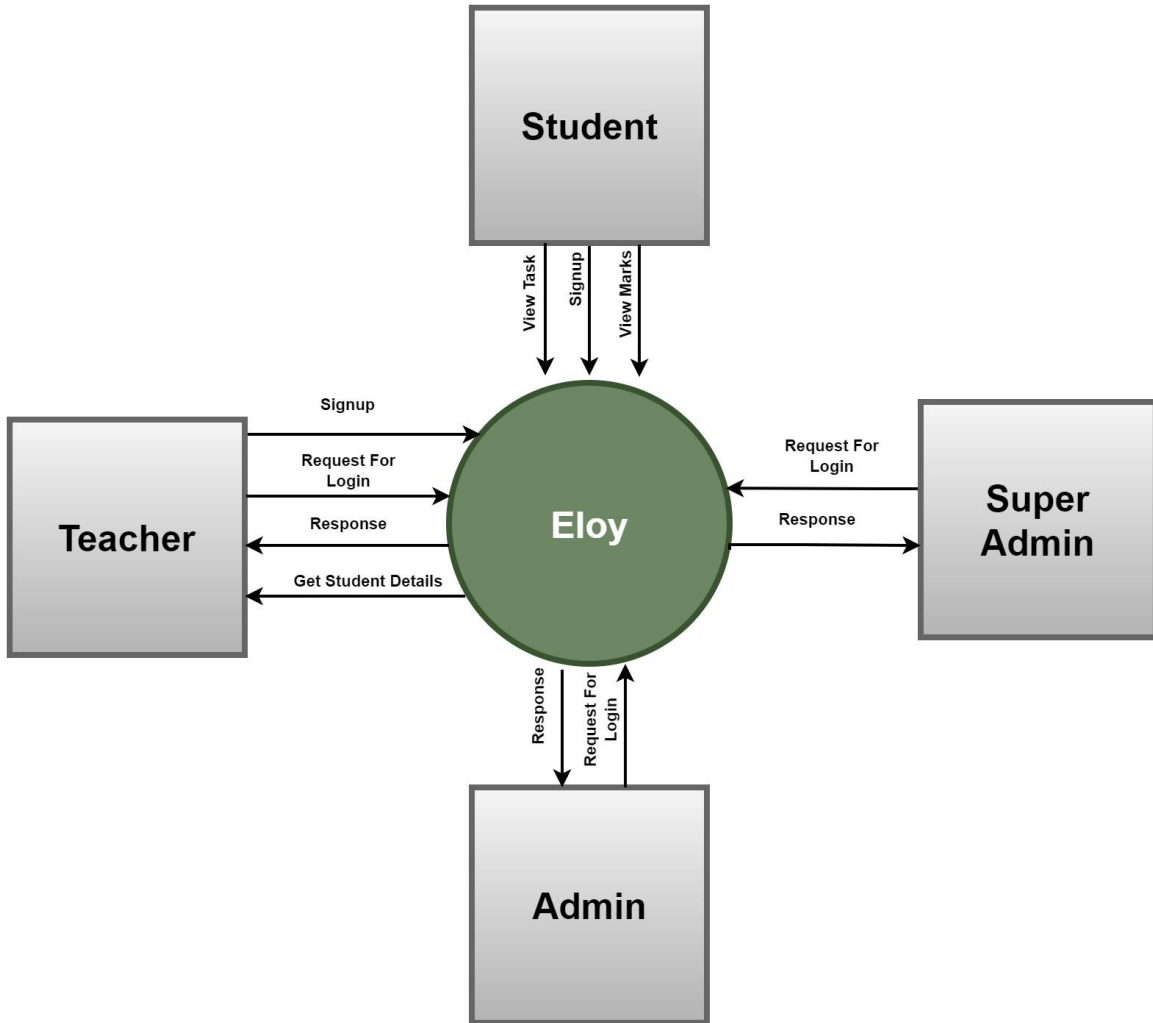


Figure 3.3: Data Flow Diagram Level-0.

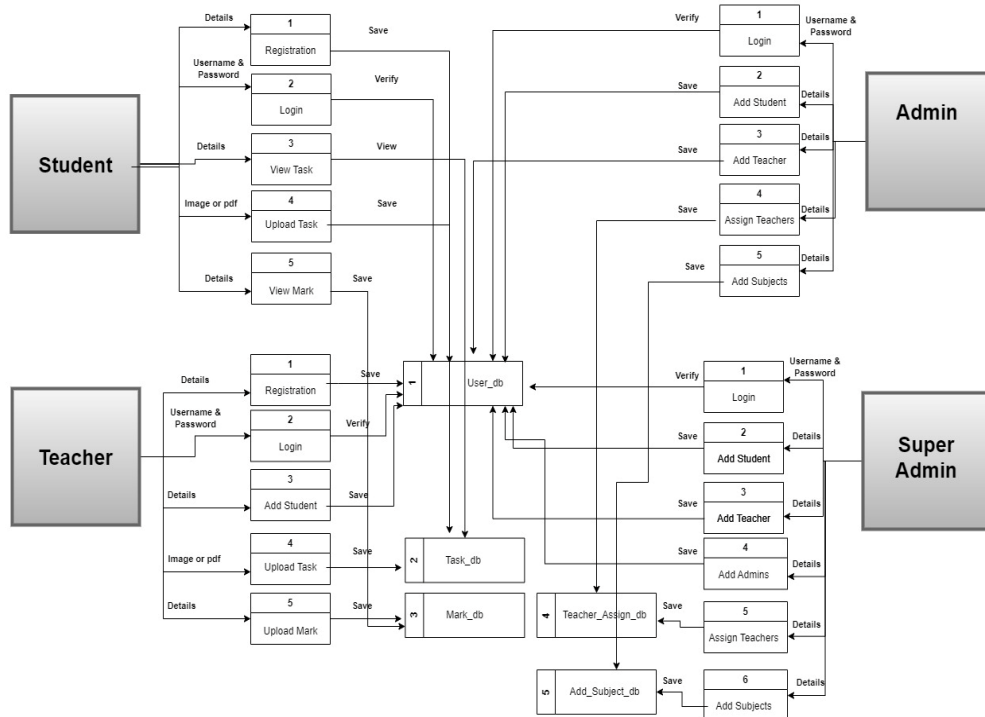


Figure 3.4: Data Flow Diagram Level-1.

3.7 Entity Relationship Diagram

The diagram below is showing us the relationship between the entity sets that were stored in our website.

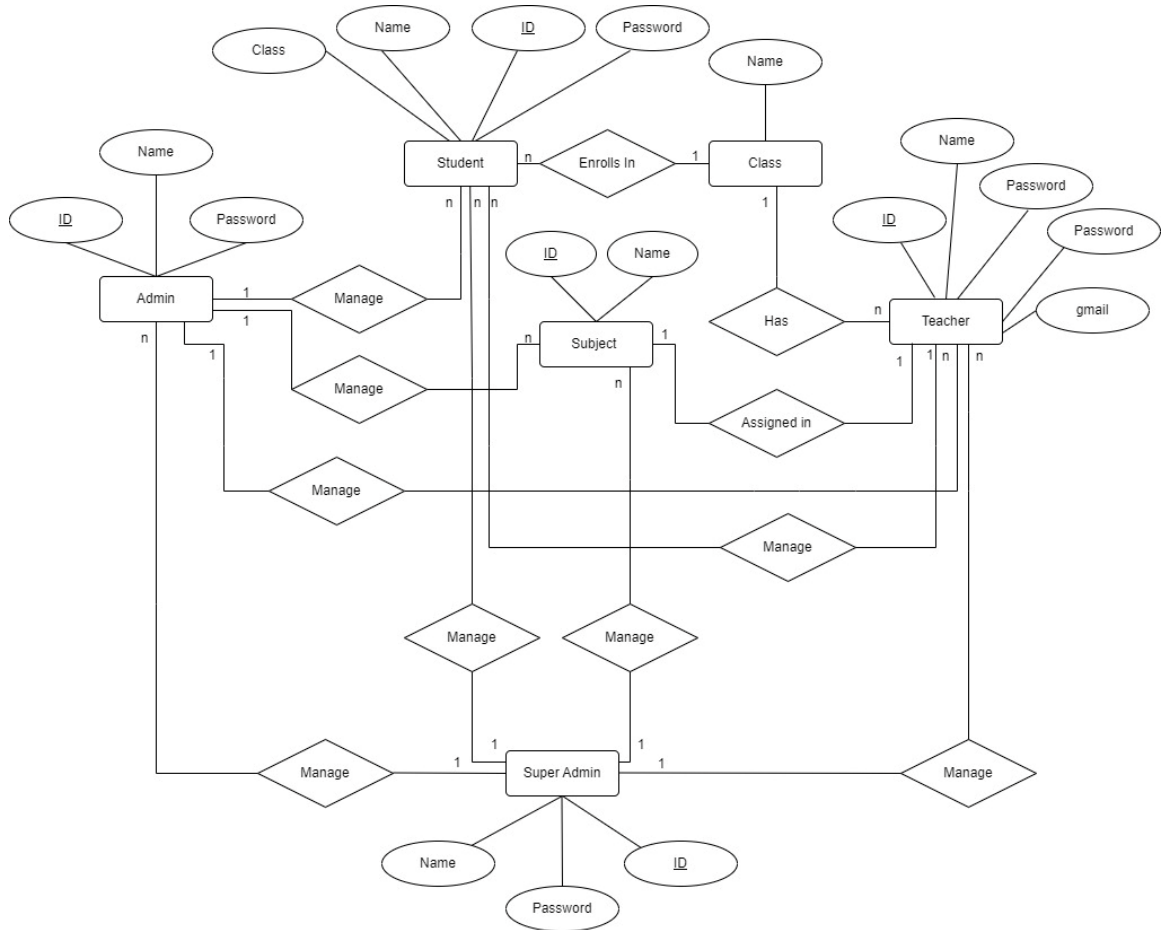


Figure 3.5: Entity Relationship Diagram.

3.8 Unified Modeling Language

Below UML diagram of our website Eloy is given where different classes and attributes are explained.

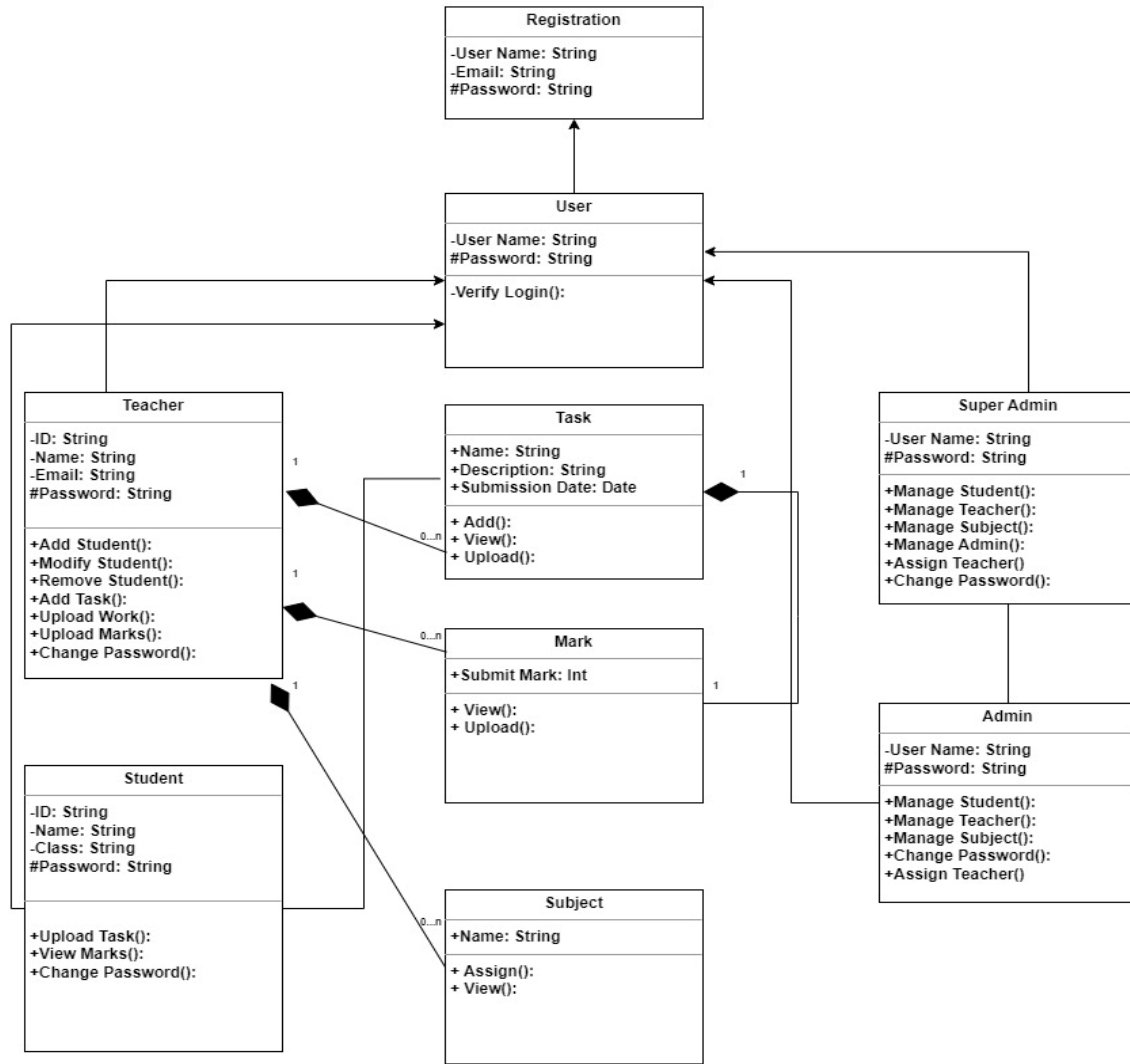


Figure 3.6: UML of our website.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Frontend Design

The portal basically designed with simple UI (User Interface), a less hassle platform while operating. As majority of this platform users are primary level students and their guardians. Thus, interaction between students and faculties will be more flowing.

Role of users:

1. Super Admin
2. Admins
3. Teachers
4. Students

4.2 Home page - Desktop

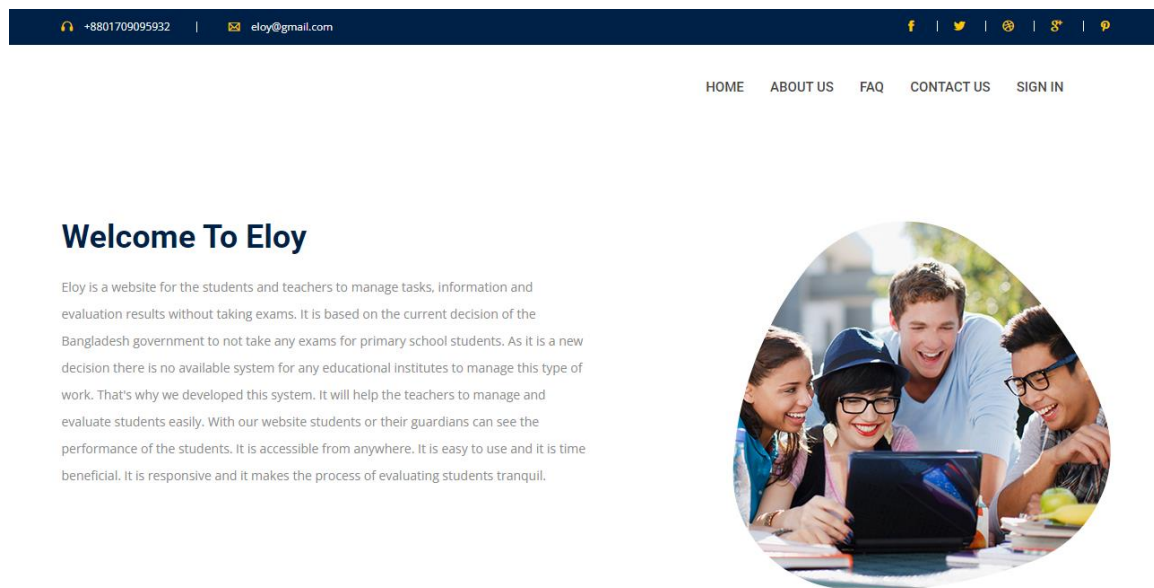


Figure 4.1 Home page.

4.3 Home page – Tablet



Figure 4.2 Home page.

4.4 Home page - Smartphone

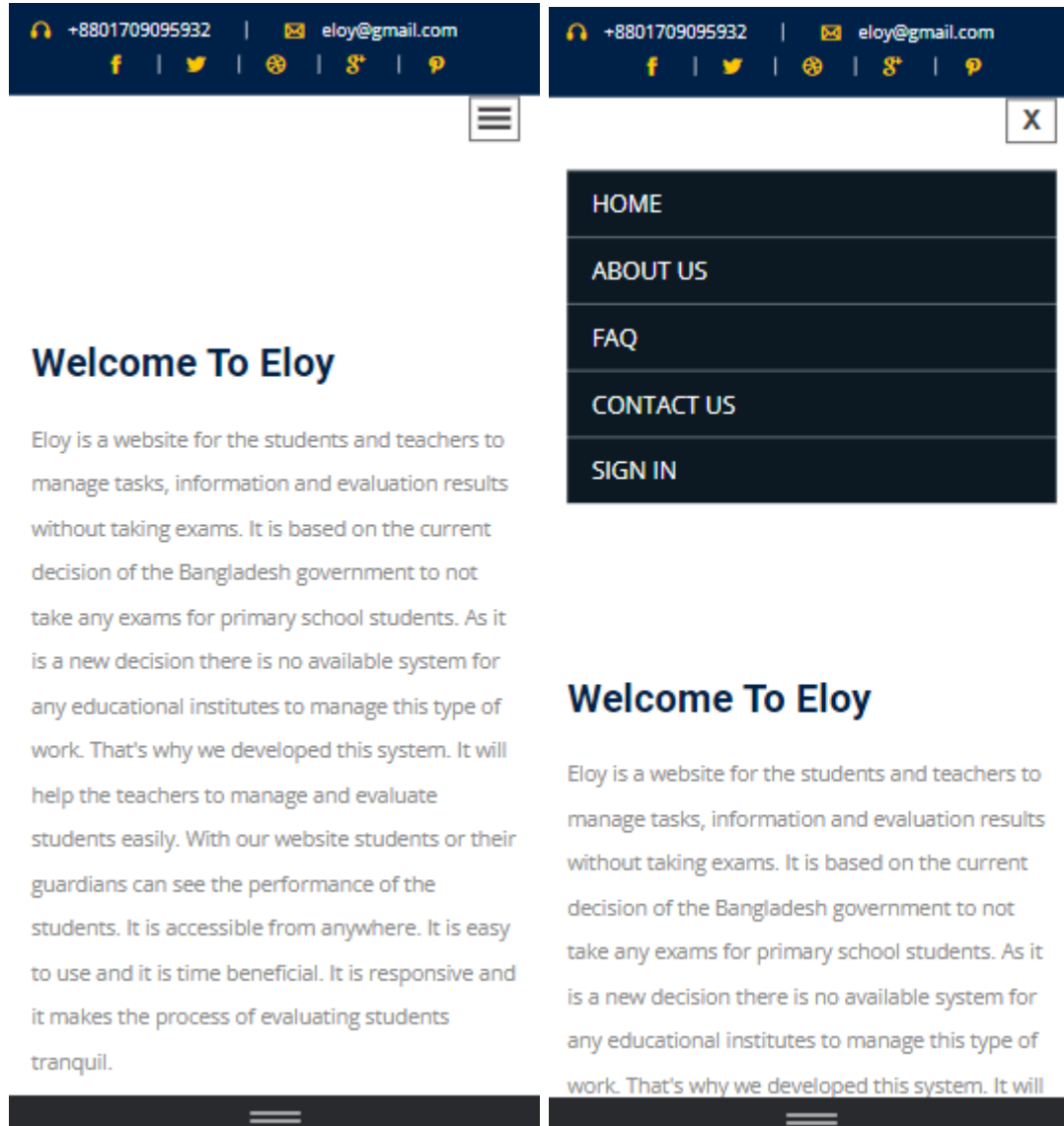


Figure 4.3 Home page.

4.5 Sign-up/Registration

The registration process for different users.

Register to continue.

Ahmed Saif Sobraj

ahmedsaifsobraj

12739

All Classes ▼

.... 👁

....|

SIGN UP

Already have an account? [Login](#)

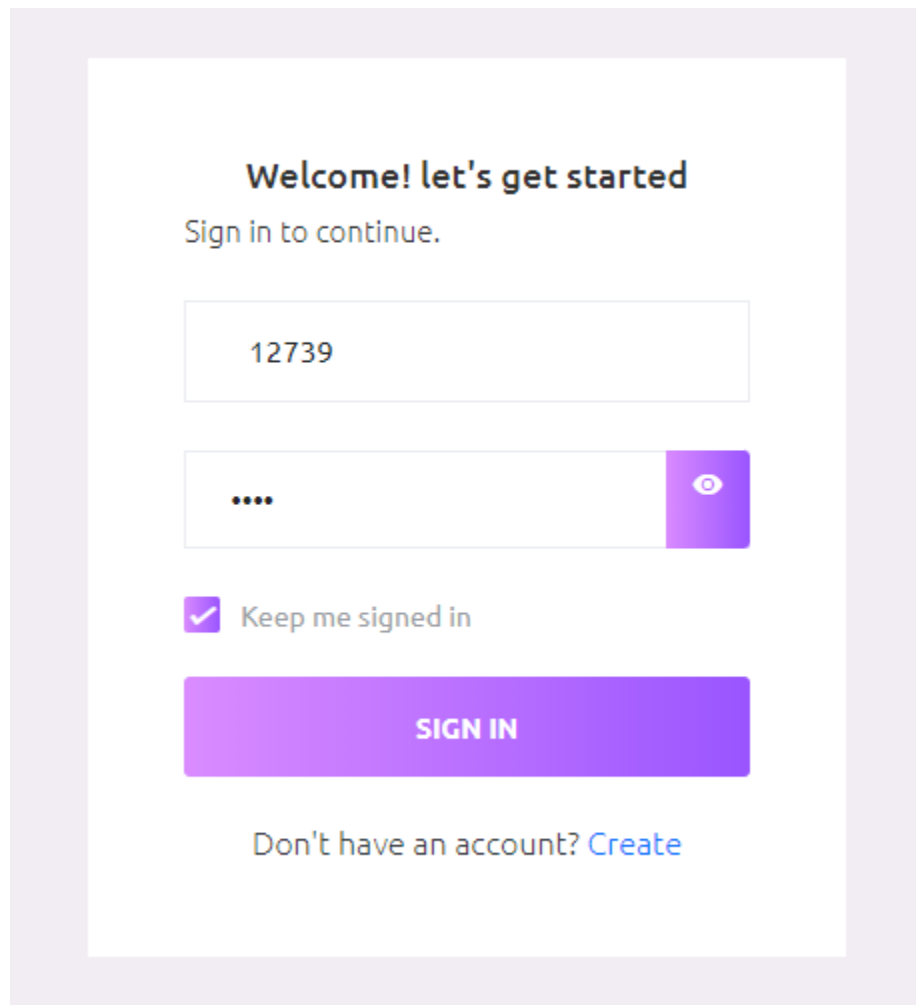
Hey! Register successfully

The image shows a registration form with several input fields: a name field containing 'Ahmed Saif Sobraj', an email field containing 'ahmedsaifsobraj', a password field containing '12739', a dropdown menu set to 'All Classes', a password confirmation field with a toggle eye icon, and a final password field with a cursor. Below the fields is a purple 'SIGN UP' button and a link for 'Login'. To the right, a yellow box displays the message 'Hey! Register successfully'.

Figure 4.4: Registration before sign in.

4.6 Sign in

A sign-in page for different users.



Welcome! let's get started

Sign in to continue.

12739

....

Keep me signed in

SIGN IN

Don't have an account? [Create](#)

Figure 4.5: Signing in.

4.7 Password Update

Users update new passwords when it is essential.

The screenshot displays a user profile for Ahmed Saif Sobraj, a Teacher. The navigation menu includes Dashboard, Add Student, Manage, Setting (highlighted), and Sign Out. Under the Setting menu, the 'Update Password' option is selected. The main content area shows a 'Forgot Password' form with the following fields:

- Username or ID:
- Password:
- Confirm Password:

A purple 'Submit' button is located at the bottom of the form.

Figure 4.6: Password Update.

4.8 Students Dashboard

Having access to the platform and performing all the due tasks.

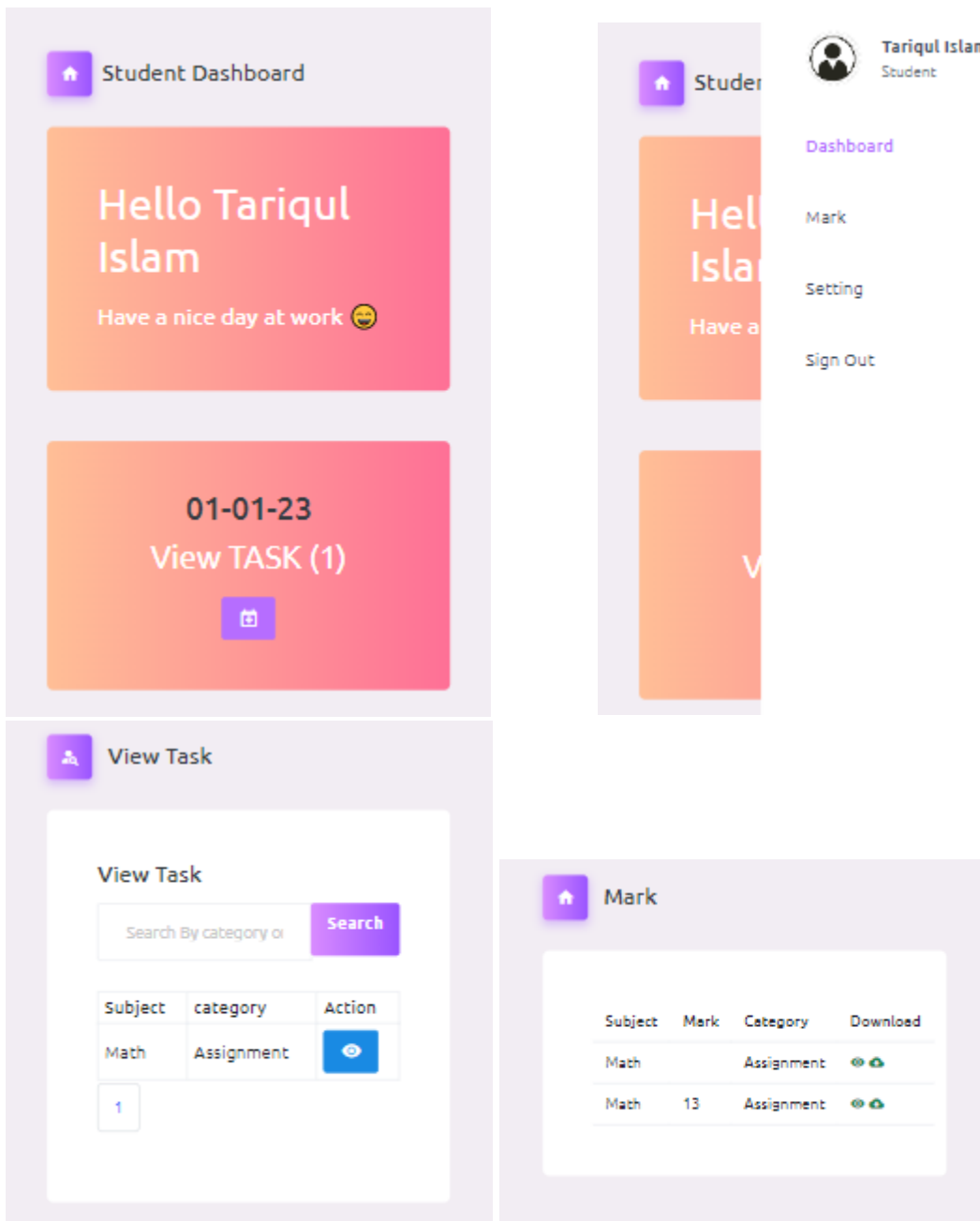


Figure 4.7: Students interacting with the platform.

4.9 Teacher

Teachers have access to and maintain all the activities.

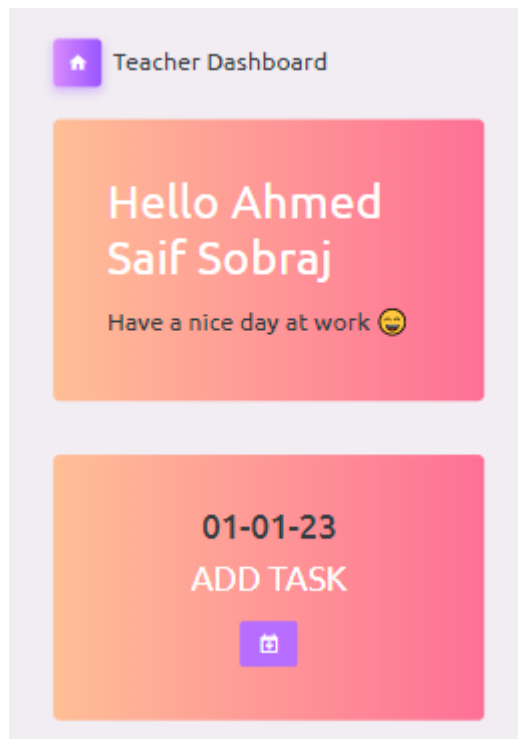


Figure 4.8: Teacher Dashboard.

The image displays two overlapping web forms. The background form is titled 'Student Form' and contains the following fields: 'Full Name' (text input), 'User Name' (text input), 'Password' (text input), 'Class' (dropdown menu with 'All Classes' selected), 'Student Id' (text input), and 'Photo' (file upload button labeled 'Choose File' and 'No Fil...hosen'). A purple 'Submit' button is at the bottom. The foreground form is a modal titled 'Task Add' with a close button (X) in the top right. It contains: 'All Category' (dropdown), 'Subject' (dropdown with 'All Subject' selected), 'Class' (dropdown with 'All Classes' selected), 'Task Title' (text input), 'Description' (text area), 'From' (date picker with 'mm/dd/yyyy' placeholder), and 'To' (date picker with 'mm/dd/yyyy' placeholder). A purple 'Submit' button is at the bottom.

Figure 4.9: Teacher interacting with the platform.

Here we can see teachers can add any student using this platform. They can also give any task by selecting the subject, class and giving a title for the task with a proper description. Finally, they have to select a deadline and after that, the task will be published into the platform successfully.

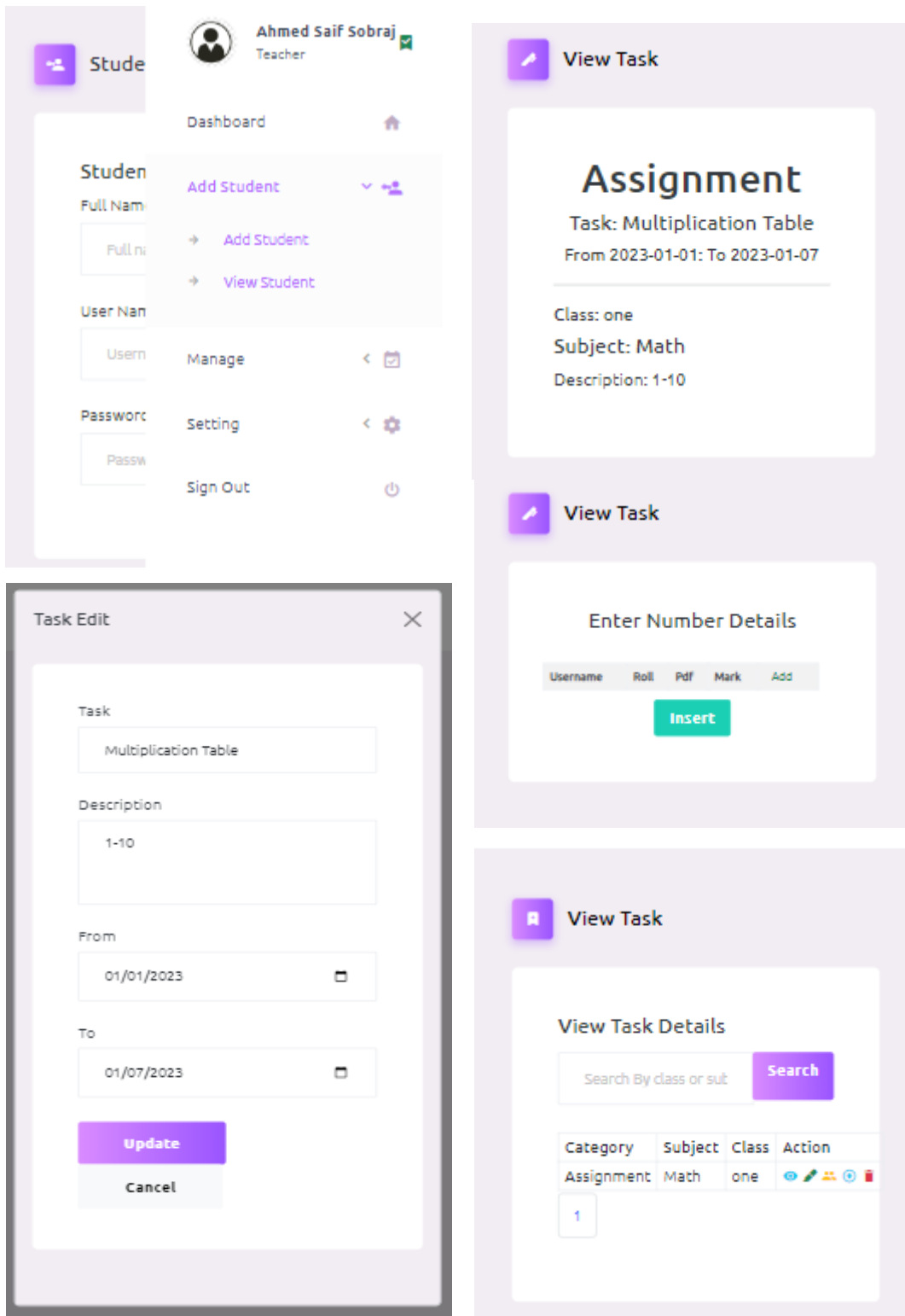


Figure 4.10: Teacher interacting with the platform.

4.10 Admin

Perform as admin when super admin is absent and monitor the system.

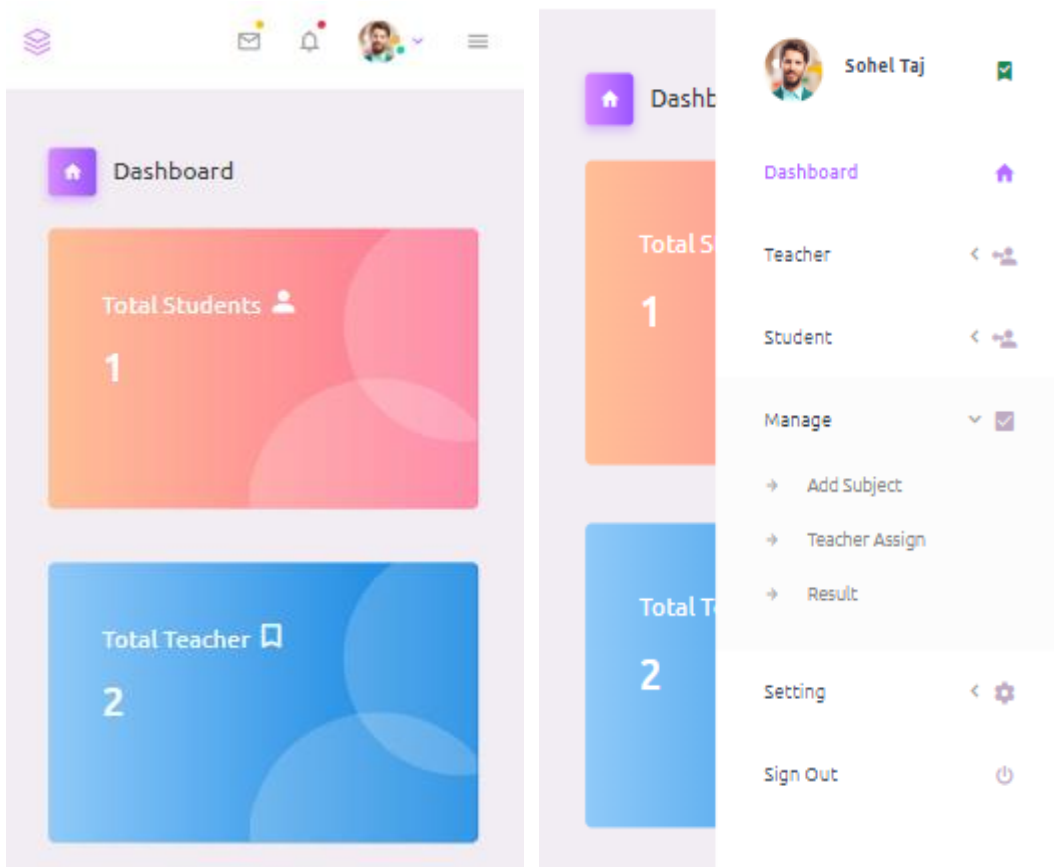


Figure 4.11: Admin Dashboard.

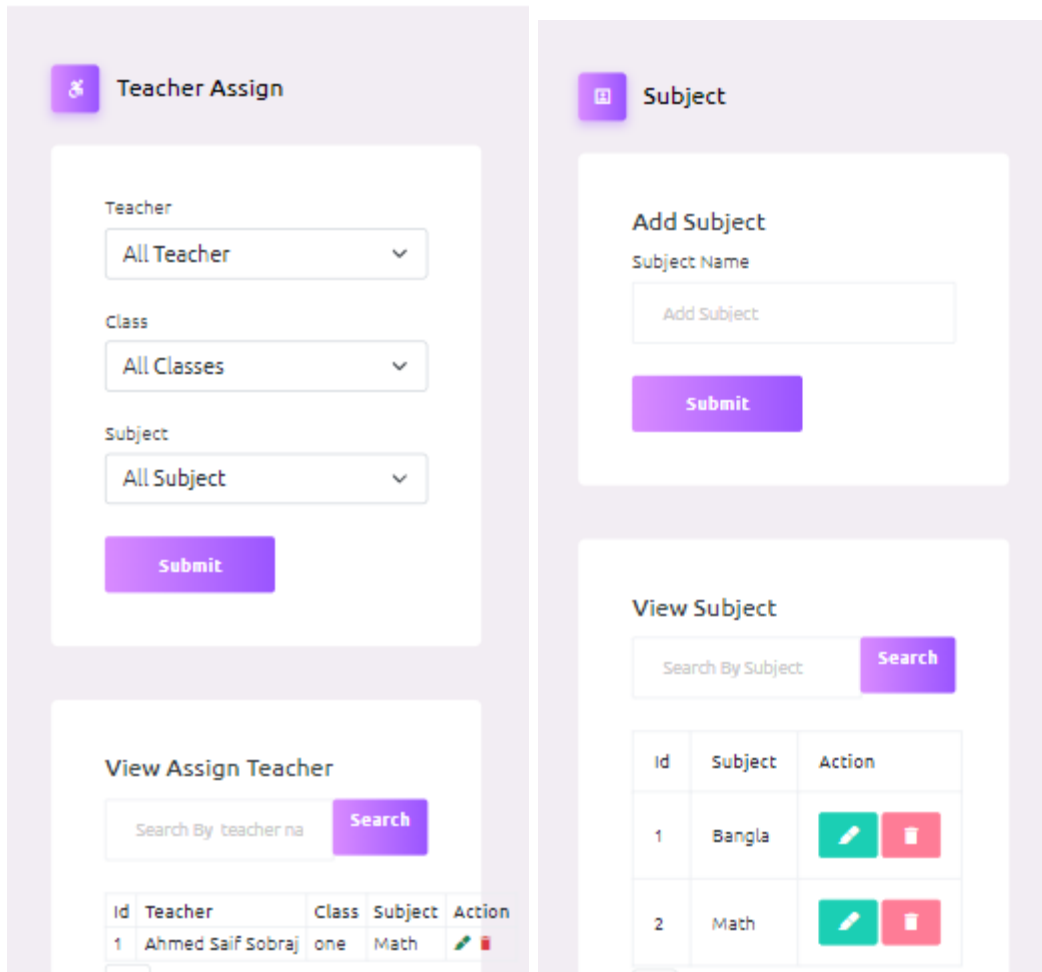


Figure 4.12: Admin interacting with the platform and having a few accesses.

Here we can see an admin can add any teacher by giving proper information. They can add any subject to the system and they can also assign any teacher to any class in a particular subject.

4.11 Super Admin

Having access of the whole system, controlling and monitoring.

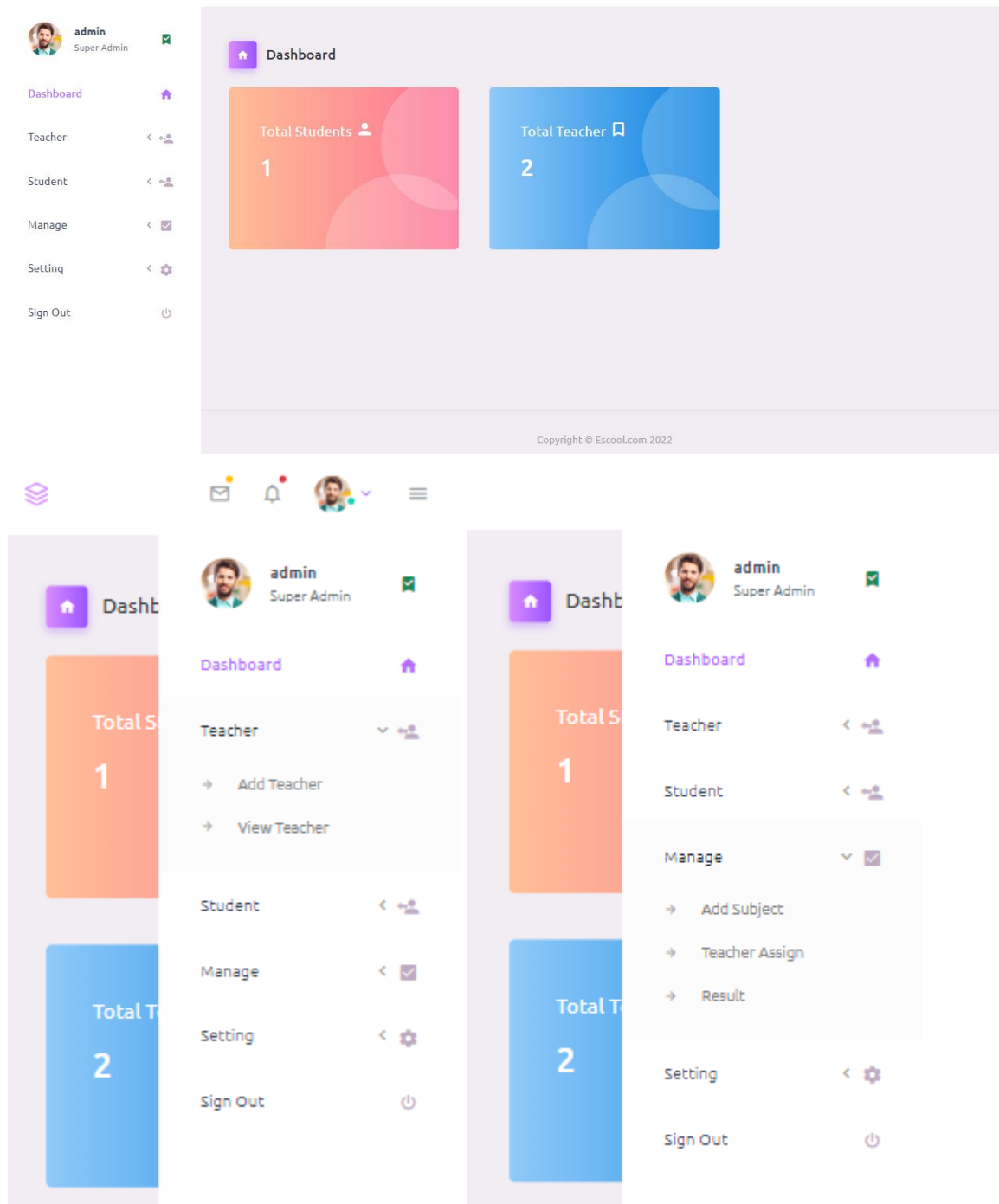


Figure 4.13: Super Admin interacting with the platform and having control over the whole system.

4.12 Result

Teachers publish results from their profile and student get the results in their profile.

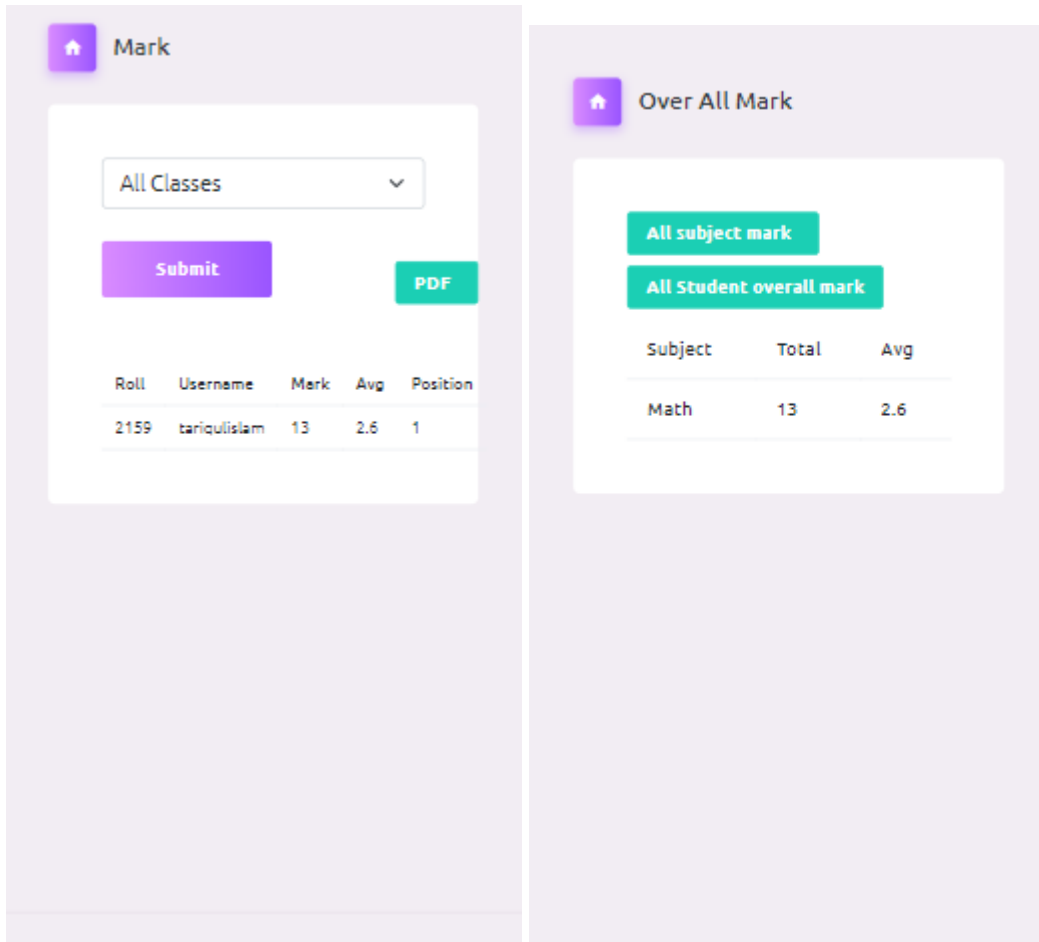


Figure 4.14: Teacher and Student's result perspective.

4.13 Contact

For any inquiries, discussions or meetings, students/guardians may contact the course teacher via email.

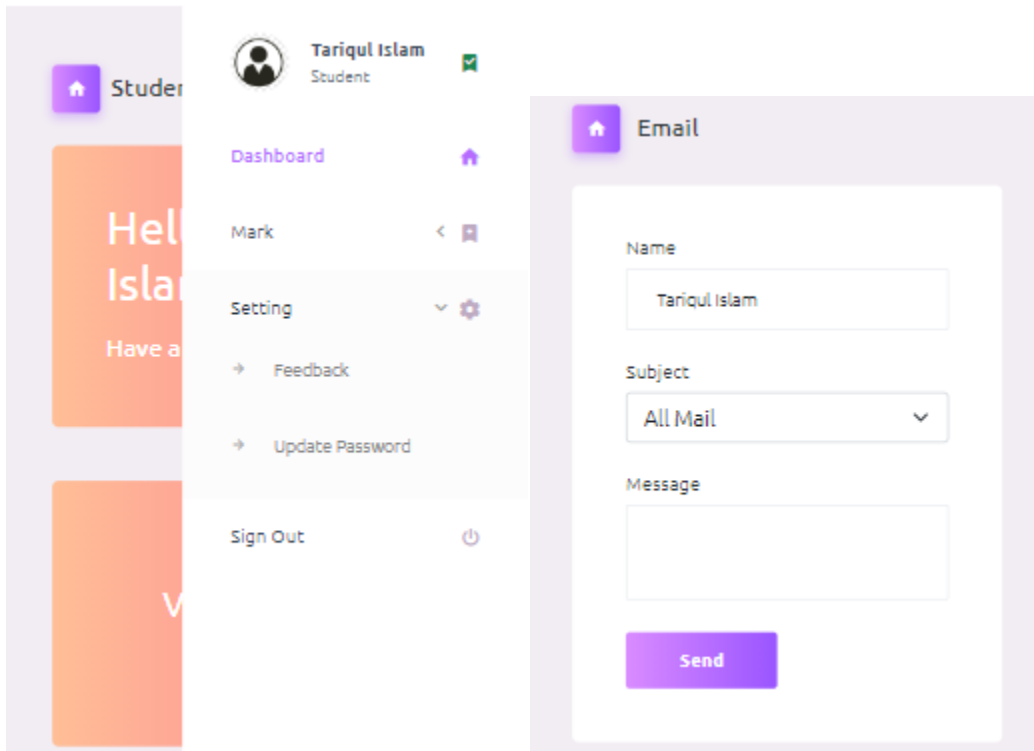


Figure 4.15: Students/Guardian's interactions with Teacher.

CHAPTER 5

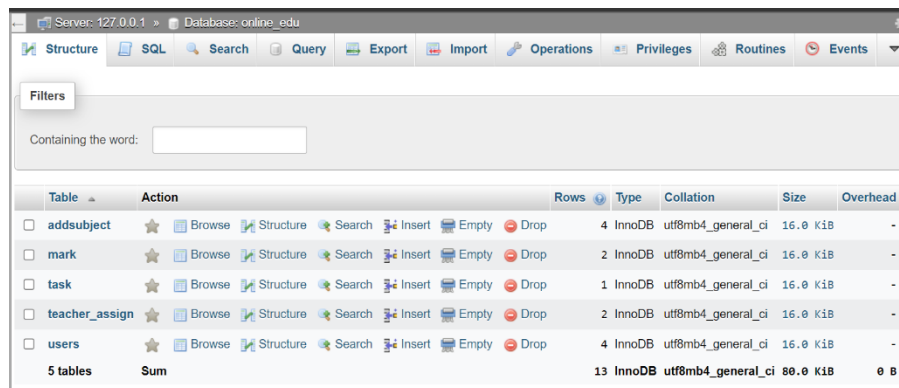
IMPLEMENTATION AND TESTING

5.1 Database Implementation

Our database of choice is MySQL. We have saved user information, tasks, assigned teachers, marks, and subjects in the database. We added 100 users, including students and teachers, to the user details. Whereas six new subjects have been added to the subjects. The database has 30 student grades that we have uploaded. 20 teachers have been assigned in the database at the conclusion.

5.2 Overview of The Database

In the image below all the tables in the Eloy database are given.



The screenshot shows the MySQL database overview for the 'online_edu' database. The interface includes a toolbar with options like Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, and Events. Below the toolbar is a 'Filters' section with a search box. The main area displays a table of database tables with columns for Table, Action, Rows, Type, Collation, Size, and Overhead.

Table	Action	Rows	Type	Collation	Size	Overhead
addsubject	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 K1B	-
mark	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K1B	-
task	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 K1B	-
teacher_assign	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 K1B	-
users	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 K1B	-
5 tables	Sum	13	InnoDB	utf8mb4_general_ci	80.0 K1B	0 B

Figure 5.1: Overview of the database.

5.3 User List

The image shown below includes the user details in the user table.

id	name	username	email	roll	class	password	image	status	role	time
40	Admin	@admin	NULL	@admin	All Classes	\$2y\$10\$eSC2qGDHCzBXID a3jy4u48onDvv9cstK7c5k9Tck...	NULL	1		2022-12-28 21:28:56
42	Md Nishat Zaman Zahid	Md Nishat Zaman Zahid	NULL	001	one	\$2y\$10\$1ORqq44U4X0xj0ipmKWAOLInNtNtNSQ6ELHCO4aMC...	33581Md Nishat Zaman Zahid.jpg	1		2022-12-28 21:45:56
45	Md Tariqul Islam Seyam	teacher-1	tariqulislamseyam@gmail.com	teacher-1	NULL	\$2y\$10\$gS0SDV5NqGcZetGpX2xORb4GuzCqY3GN4iecl.mLY...	96453M4 Tariqul Islam Seyam.jpg	1		2022-12-28 21:57:23
46	Rukhsana Haque	student-1	NULL	student-1	one	\$2y\$10\$VGRbJqj3R0V NJ269 f0D6 FhKkPlwETks2mh0pu...	48648Rukhsana Haque.jpg	1		2022-12-28 22:00:05

Figure 5.2: User List.

5.4 Teacher Assign List

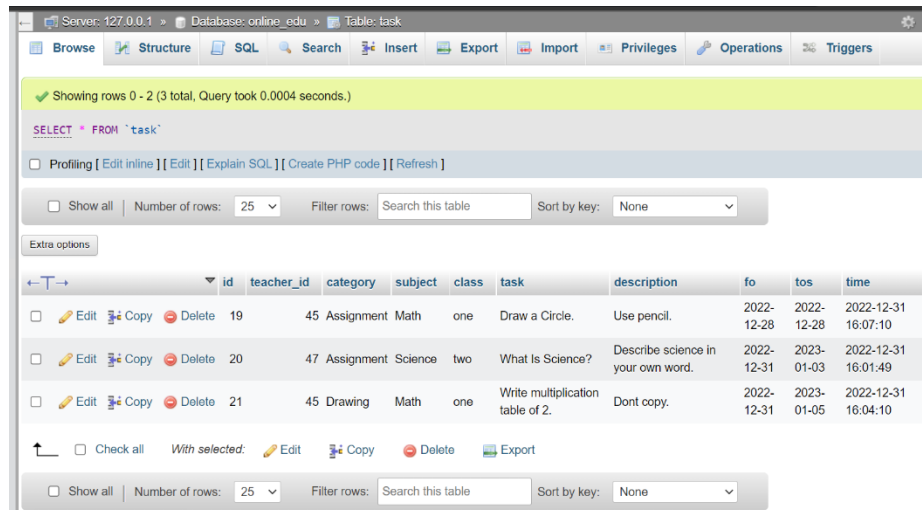
The assigned teacher information is included in the image below in the teacher assignment table.

id	teacher	class	subject	teacher_id	subject_id	time
14	Md. Tariqul Islam Seyam	one	Math	45	19	2022-12-28 21:57:43
15	Md. Tariqul Islam Seyam	one	Bangla	45	17	2022-12-30 19:40:57
16	Ahmed Saif Sobraj	two	Science	47	20	2022-12-31 15:58:46
17	Md. Rafiqul Islam	one	Bangla	48	17	2022-12-31 15:58:53
18	Sherin Akter Liza	three	Math	52	19	2022-12-31 15:59:14

Figure 5.3: Teacher Assign List.

5.5 Task List

The image shown below includes the task details in the Task table.



Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

```
SELECT * FROM `task`
```

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

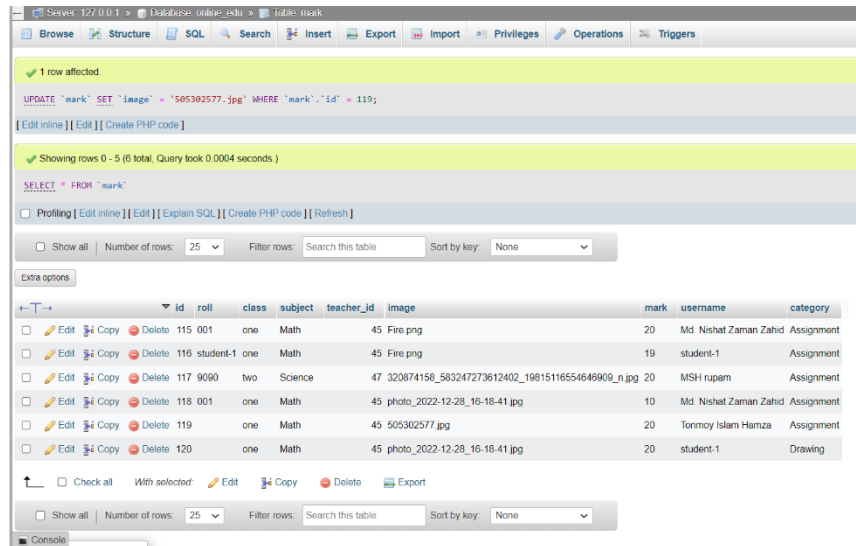
	id	teacher_id	category	subject	class	task	description	fo	tos	time
<input type="checkbox"/>	19	45	Assignment	Math	one	Draw a Circle.	Use pencil.	2022-12-28	2022-12-28	2022-12-31 16:07:10
<input type="checkbox"/>	20	47	Assignment	Science	two	What Is Science?	Describe science in your own word.	2022-12-31	2023-01-03	2022-12-31 16:01:49
<input type="checkbox"/>	21	45	Drawing	Math	one	Write multiplication table of 2.	Dont copy.	2022-12-31	2023-01-05	2022-12-31 16:04:10

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Figure 5.4: Task List.

5.6 Mark List

The image shown below includes the Mark details in the Mark table.



1 row affected.

```
UPDATE `mark` SET `image` = '505302577.jpg' WHERE `mark`.`id` = 119;
```

Showing rows 0 - 5 (6 total, Query took 0.0004 seconds.)

```
SELECT * FROM `mark`
```

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

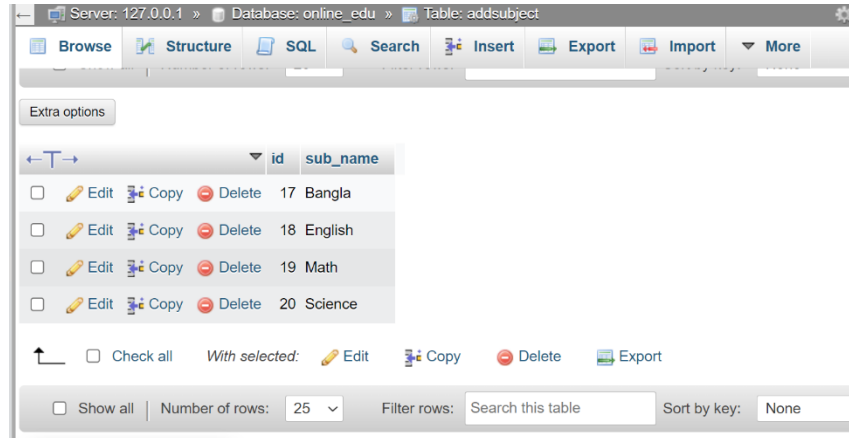
	id	roll	class	subject	teacher_id	image	mark	username	category
<input type="checkbox"/>	115	001	one	Math	45	Fire.png	20	Md. Nishat Zaman Zahid	Assignment
<input type="checkbox"/>	116	student-1	one	Math	45	Fire.png	19	student-1	Assignment
<input type="checkbox"/>	117	9090	two	Science	47	320874156_583247273612402_1981511655464909_n.jpg	20	MSH rupem	Assignment
<input type="checkbox"/>	118	001	one	Math	45	photo_2022-12-28_16-18-41.jpg	10	Md. Nishat Zaman Zahid	Assignment
<input type="checkbox"/>	119		one	Math	45	505302577.jpg	20	Tonmoy Islam Hamza	Assignment
<input type="checkbox"/>	120		one	Math	45	photo_2022-12-28_16-18-41.jpg	20	student-1	Drawing

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Figure 5.5: Mark List.

5.7 Subject List

The image shown below includes the Subject List in the Subject table.



The screenshot shows a database management interface for a table named 'addsubject'. The interface includes a toolbar with options like Browse, Structure, SQL, Search, Insert, Export, and Import. Below the toolbar, there are 'Extra options' and a table view. The table has two columns: 'id' and 'sub_name'. The table contains four rows of data:

	id	sub_name
<input type="checkbox"/>	17	Bangla
<input type="checkbox"/>	18	English
<input type="checkbox"/>	19	Math
<input type="checkbox"/>	20	Science

Below the table, there are controls for 'Check all', 'With selected:' (Edit, Copy, Delete), and 'Export'. At the bottom, there are filters for 'Show all', 'Number of rows' (set to 25), 'Filter rows' (Search this table), and 'Sort by key' (set to None).

Figure 5.6: Subject List.

5.8 Front-End Design Implementation

We did our best to give this website a contemporary layout. In the front-end, we used JavaScript and Bootstrap 5. Our primary goal was to develop a user-friendly website that allows users to quickly understand and utilize the system. Users can provide feedback if they encountered any issues while using the service, and we'll work to fix them in the future.

5.9 Interaction Implementation

The website can be used by elementary schools to administer assessments to students in classes 1 through 5 without having them take exams. It must be purchased by schools to operate their system. Use of this is free for students. We have to do it by making the system user-friendly, such that the student can utilize and comprehend the system. However, we have a strategy to cover the cost for village elementary schools. We'll protect our user's privacy. We'll improve and expand the system in the future.

5.10 Testing Software and Testing Report

Testing is crucial following the completion of a project. Thus, we have completed all of the testing after finishing our project. Black box testing was initially used to evaluate the features of our project. It will examine the user end's input and output. To test the functionality of our website, we shared URLs with our friends and teachers. To check whether the features are functioning properly or not, we used the admin panel. They have all provided excellent feedback, and we feel good about our project.

TABLE 5.1: SUPER ADMIN LOGIN REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
1	07/09/22	Admin login	Admin login	Admin's User Name and password	Pass

TABLE 5.2: TEACHER, ADMIN AND STUDENT LOGIN REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
2	07/09/22	Teacher, Admin and Student login report	Teacher/ Admin /Student login	User Name and password	Pass

TABLE 5.3: TEACHER, ADMIN AND STUDENT REGISTRATION REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
3	07/09/22	Teacher, Admin and Student registration report	Teacher/Admin/ Student registration	User Name, Email and password	Pass

TABLE 5.4: TEACHER, SUPER ADMIN AND ADMIN ADDING STUDENT REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
4	07/09/22	Teacher, Super Admin and Admin Adding Student Report	Teacher/Super Admin/ Admin Student Add	Name, ID, Class, Password.	Pass

TABLE 5.5: TEACHER, SUPER ADMIN AND ADMIN MODIFY STUDENT REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
5	07/09/22	Teacher, Super Admin and Admin Modify Student Report	Teacher/Super Admin/ Admin Student Modify	Name, ID, Class, Password.	Pass

TABLE 5.6: TEACHER, SUPER ADMIN AND ADMIN DELETE STUDENT REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
6	07/09/22	Teacher, Super Admin and Admin Delete Student Report	Teacher/Super Admin/ Admin Student delete	N/A	Pass

TABLE 5.7: SUPER ADMIN AND ADMIN ADD TEACHER REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
7	07/09/22	Super Admin and Admin Add Teacher Report	Super Admin/ Admin Teacher Add	Name, ID, Email, Class, Password.	Pass

TABLE 5.8: SUPER ADMIN AND ADMIN MODIFY TEACHER REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
8	07/09/22	Super Admin and Admin Modify Teacher Report	Super Admin/ Admin Teacher Modify	Name, ID, Email, Class, Password.	Pass

TABLE 5.9: SUPER ADMIN AND ADMIN REMOVE TEACHER REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
9	07/09/22	Super Admin and Admin remove Teacher Report	Super Admin/ Admin Teacher Remove	N/A	Pass

TABLE 5.10: SUPER ADMIN AND ADMIN ADD SUBJECTS REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
10	07/09/22	Super Admin and Admin Add Subject Report	Super Admin/ Admin Subject Add	Name.	Pass

TABLE 5.11: SUPER ADMIN ADD ADMIN REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
11	07/09/22	Super Admin and Add Admin Report	Super Admin Admin Add	Name, Email, Password.	Pass

TABLE 5.12: TEACHER ADD TASK REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
12	07/09/22	Teacher Add Task Report	Teacher Add Task	Name, Description	Pass

TABLE 5.13: TEACHER UPLOAD MARK REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
13	07/09/22	Teacher Upload Mark Report	Teacher Upload Mark	Mark	Pass

TABLE 5.14: STUDENT VIEW TASK REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
14	07/09/22	Student View Task Report	Student View Task	N/A	Pass

TABLE 5.15: STUDENT UPLOAD TASK REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
15	07/09/22	Student Upload Task Report	Student Upload Task	Image, pdf.	Pass

TABLE 5.16: STUDENT VIEW MARK REPORT

Test Case ID	Date	Feature Name	Test Case Description	Input Data	Test Result
16	07/09/22	Student View Mark Report	Student View Mark	N/A	Pass

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Conclusion

Evaluating with and learning using technology is more advanced way of acquiring knowledge where all the learning materials are in their hand, and students can access information with at ease from anywhere and anytime. And in this case, the interactions between teachers and students must be supportive and productive we must ensure that. They will be introduced with a system where students can show their creativity in every filed and full potentials. They will learn to adapt with new technology they can practically experience smart devices and how to use those devices properly. With technology we can provide enhanced, quality education and more updated system to our beloved students. Thus, we designed a platform where students will get the opportunity to be more creative, skilful and advance in every way to be fit in. Teachers will be able to evaluate students with their various task and activities which is really essential in practical field.

6.2 Future Scope

Technology and concepts are growing and becoming more advance day by day, so we must keep that mind, for greater good there is always future scope in order to make our platform or system to be updated according to essential requirements.

- Proving learning materials and more smooth interaction
- New upgrade and methods with more user-friendly approach
- Improvement of conventional education system.
- Enhance creativity and skills through various task activities

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PLAGIARISM

An Online Based Non-Exam Evaluation System.

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