

# University Tutoring Center

## Sprint Report-1

Group D

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# 1 Introduction

We are pleased to present the sprint report for our online tutoring system project. Over the past two weeks, our team has worked diligently towards achieving the goals in our sprint plan. We have made significant progress toward developing a robust system that caters to the needs of students, tutors, and admins. Our team comprises individuals with diverse skills and expertise who have worked collaboratively toward achieving our sprint goals. This report will outline the tasks accomplished, the challenges faced, and the plans for the upcoming sprint.

## 2 Sprint Requirements

### 2.1 Student Dashboard

Includes the following features:

- Registration for the tutoring services
- Email verification for registering
- Login page to access the dashboard
- Dashboard view
- Edit profile
- View tutors according to courses
- Schedule appointments
- View appointments
- Rate the tutor
- Chat with coordinator

## **2.2 Tutor Dashboard**

Includes the following features:

- Login page to access the dashboard
- Dashboard view
- Post timings of availability
- Accept and reject appointments
- View ratings
- Chat with the coordinator

## **2.3 Coordinator Dashboard**

Includes the following features:

- Login page to access the dashboard (admin credentials)
- Add and modify tutor information
- Chat with students and tutors
- Modify appointments
- Modify tutor timeslots

## **2.4 Database Model (Database Table names)**

Includes the following tables:

- web user
- student
- tutor
- specialties
- schedule
- appointment
- admin

### 3 Table of responsibilities

In this project, we have a team consisting of four members, each with a unique role and set of responsibilities. Jyotsnamayee Ram is responsible for the Chatbot, API for the chatbot, API Integrations, Dashboard aesthetics, Use cases, User stories, Sprint review doc, and backlog management. Abdur Rahman Onik is in charge of Front-end and back-end development, Database and UI design, development, and Email authentication. Andrew Okafor is responsible for Backend development, AWS setup, GitHub setup, and Integration. Desmond Prince is accountable for Wireframes, sitemap, and Testing. Together, our team will work collaboratively to deliver an exceptional product that meets our client's needs and exceeds their expectations.

Group Member	Responsibilities
Andrew Okafor	Backend development and Backend integration, AWS setup, GitHub setup, Integration, Deployment on AWS Server
Abdur Rahman Onik	Front end and Back end development, App development, User stories, Database and UI design, Sprint review doc, Email authentication
Desmond Prince	Wireframes, Sitemap, Testing
Jyotsnamayee Ram	Chatbot, API for chatbot, API Integrations, Use cases, User stories, Sprint review doc, Backlog management

### 4 Summary of Sprint Review

We implemented the student, tutor, and coordinator portals using PHP and MySQL databases (with the database server running on AWS). PHP mailer is used for user authentication using email. We used Argon2 password-hashing function for all users. Our website is lightweight and highly responsive to multiple queries from the end user. All the sprint requirements have been

completed. Currently, we have dummy data to show on the portals. The following sections discuss user stories, use cases, sitemap, and the code.

## Technology

- PHP 8.2.0
- PHP Mailer for Email Authentication.
- Argon2 Password Hasing.
- HTML5 and CSS
- JQuery and Ajax
- MySQL
- AWS Server and MySql Workbench
- PHPUnit (Unit Testing)

## 5 User Stories

The user stories for the online tutoring center have been written based on the requirements analysis. These stories may be modified in an agile manner as and when required based on the project's progress.

### 5.1 Student User Stories

- As a student, I can register on the online tutoring center and start using its services.
- For subsequent logins, I can log in using my email address and password from anywhere.
- In case I forget my password, I have the option to reset it.
- I can view tutors according to the course and see their name, subject expertise, email address, availability, and student ratings to make an informed decision.

- I can request a tutor for an appointment and view my upcoming appointments.
- I can chat with a coordinator to modify or reschedule appointments.
- I receive an email every time I schedule an appointment.
- I receive an acceptance email with the tutor's specific zoom link and a rejection email with an option to message the tutor.
- I can rate the tutor after the meeting to provide feedback.

## 5.2 Tutor User Stories

- As a tutor using this platform, I can sign up with my email address and password, which gives me access to the dashboard.
- I receive a notification in my email for every new appointment request.
- I can see all the pending appointment requests on the dashboard and have the option to accept or decline the requests with an option to write a message as well while declining.
- I can post my availability for the week using checkboxes.
- I can check my ratings after every call and make changes if needed.
- I have a chat option to interact with the coordinator to modify appointments, time slots, and tutor details.

## 5.3 Coordinator User Stories

- As a coordinator, I can log in to the webpage with superuser privileges (admin) so that I can add and modify tutor details and view and edit student appointments and tutor schedules.
- I have a chat interface that will enable students and tutors to interact with me.
- A chatbot is available from 6 PM to 8 AM to take over the chat, and pending requests are visible to me on the dashboard when I log in.

- I can modify tutor details and appointments and use chat options on the dashboard.

## 6 Use Case

The following images depict the use case scenario for the online tutoring center:

### 6.1 Student Use Case

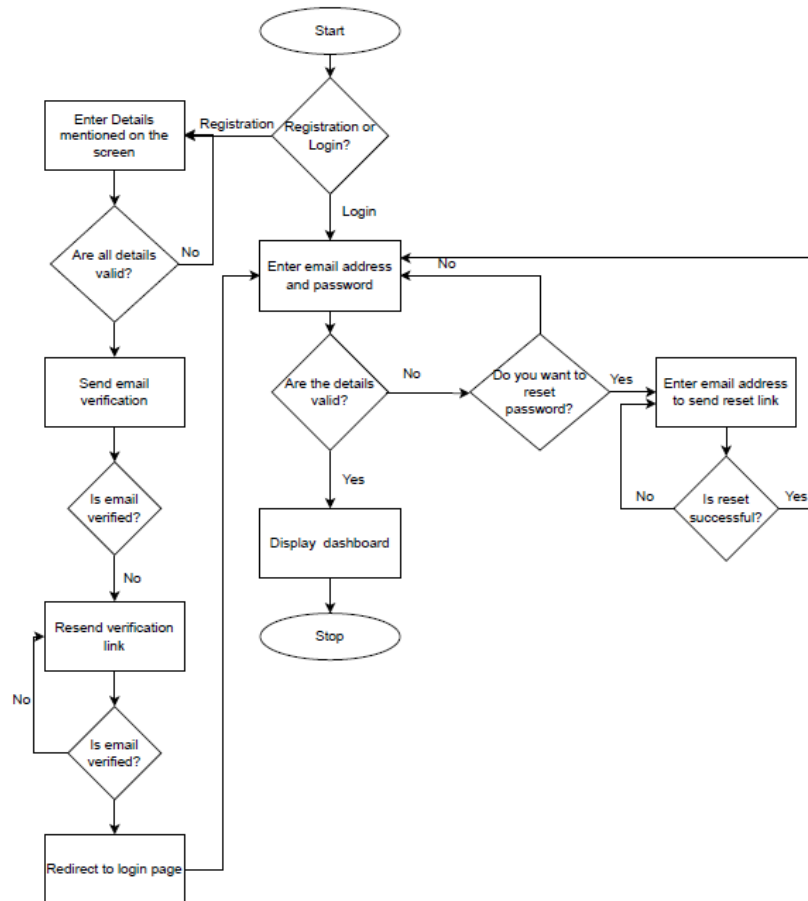


Figure 1: Registration and Login

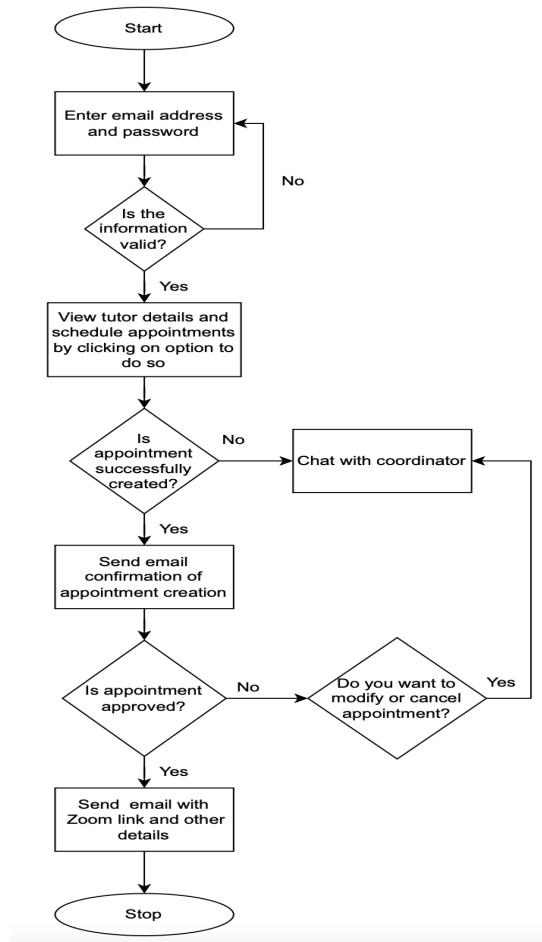


Figure 2: View tutors and make appointments



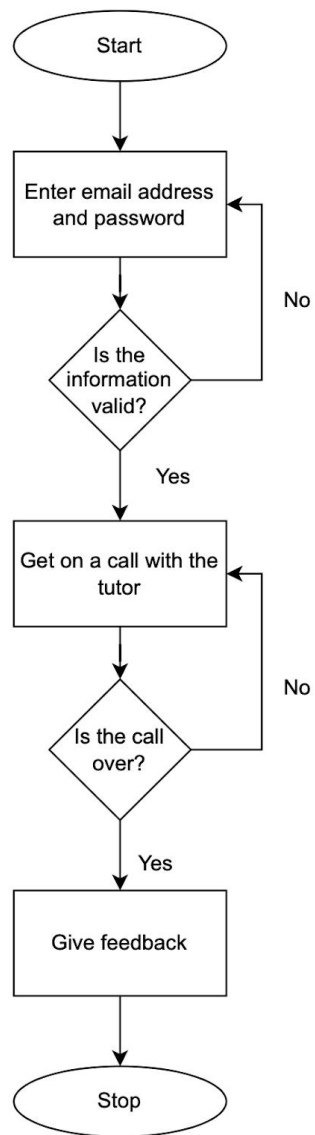


Figure 3: Give Feedback

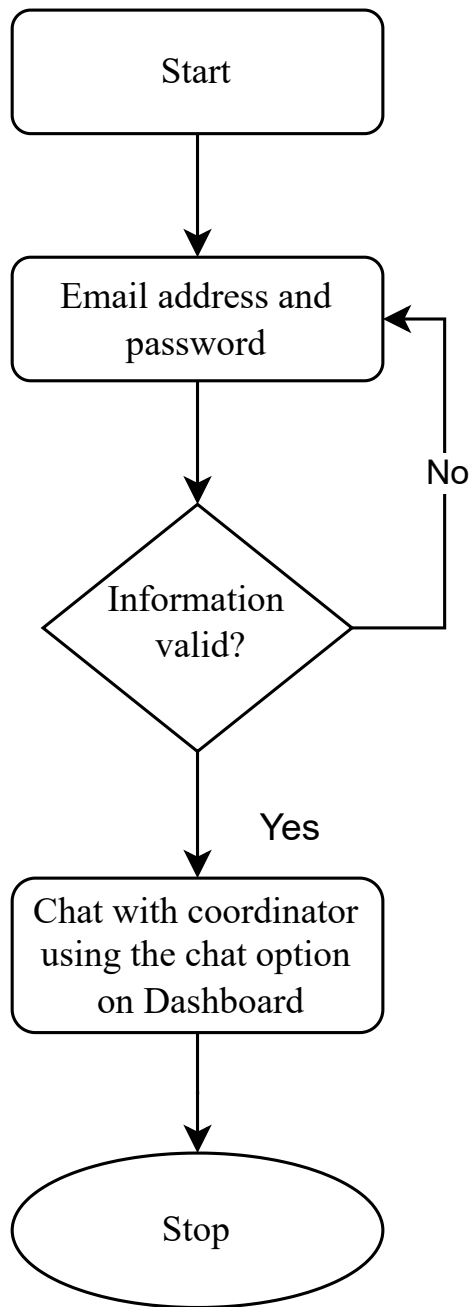


Figure 4: Chat with Coordinator

## 6.2 Tutor Use Case

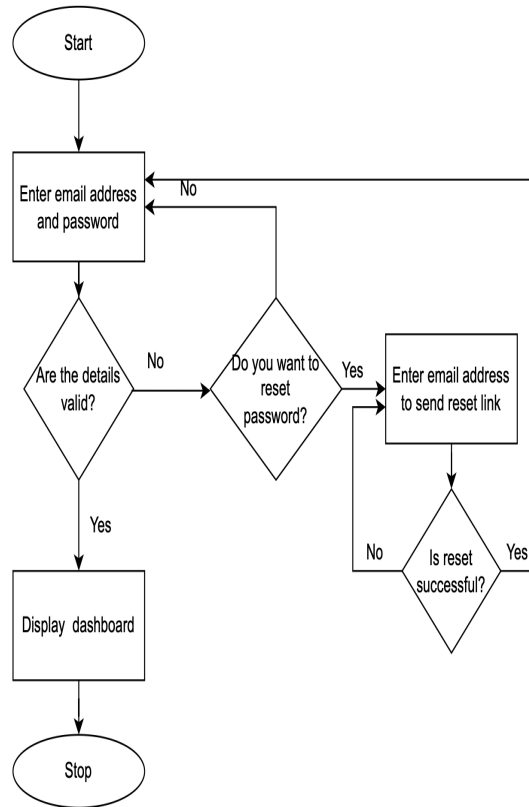


Figure 5: Login and Password Reset

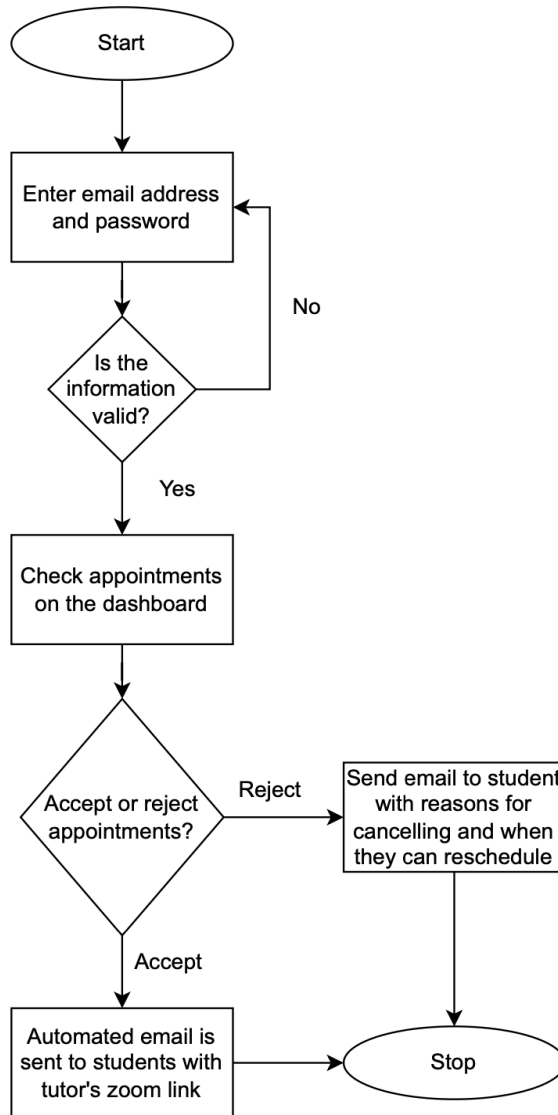


Figure 6: Appointments acceptance and rejection

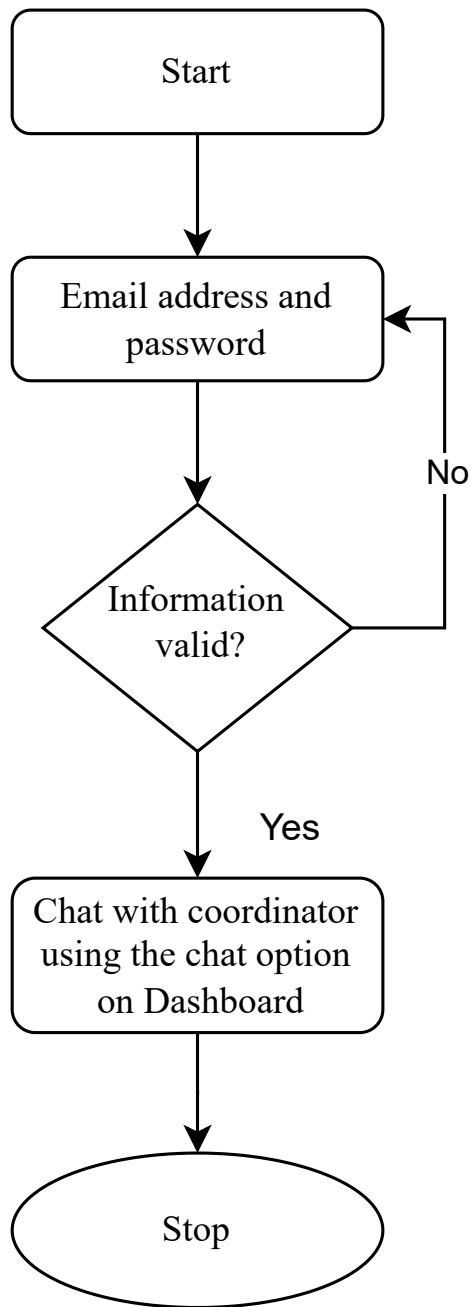


Figure 7: Chat with Coordinator

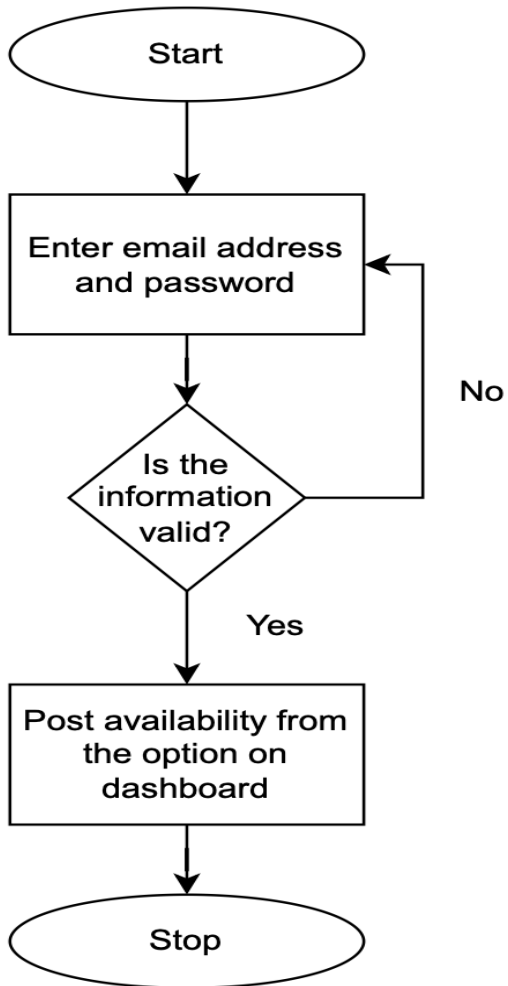


Figure 8: Post Availability

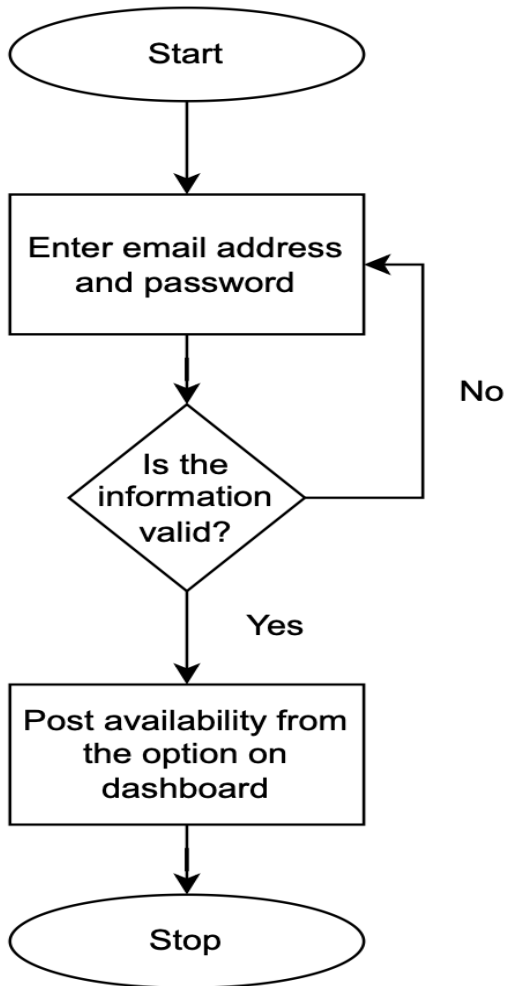


Figure 9: Check ratings

## 6.3 Admin Use Case

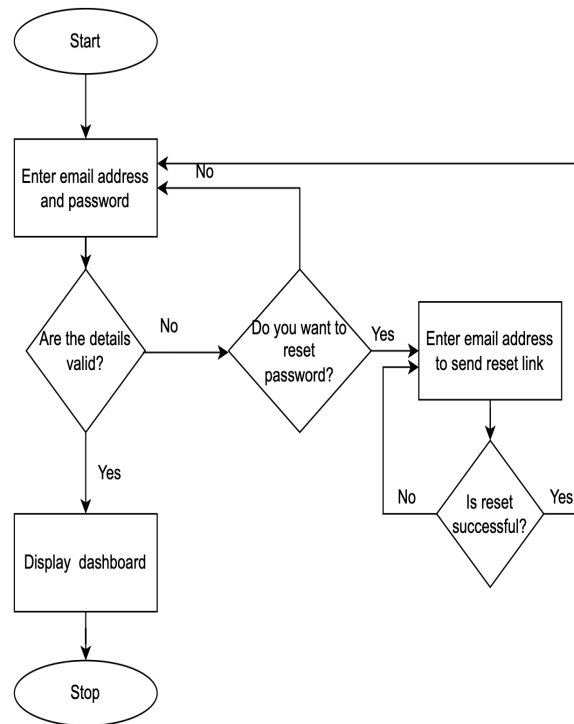


Figure 10: Admin Login and password reset



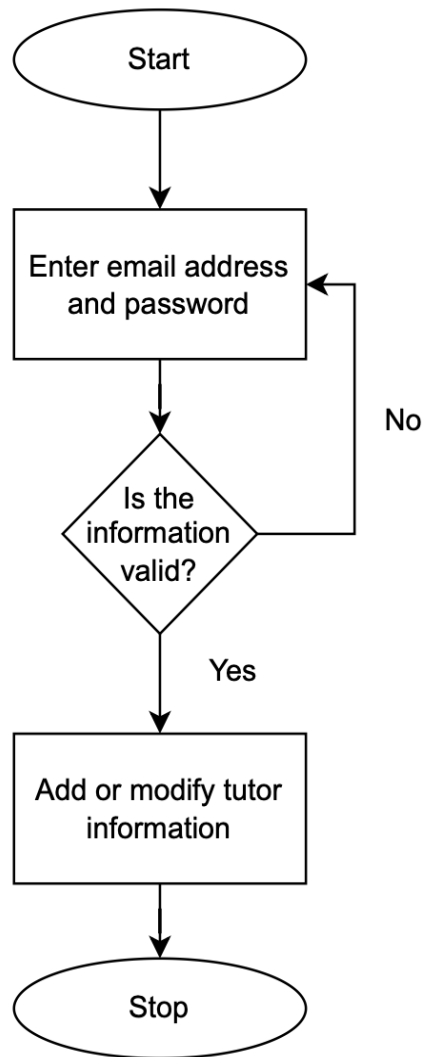


Figure 11: Add, modify and view tutor information

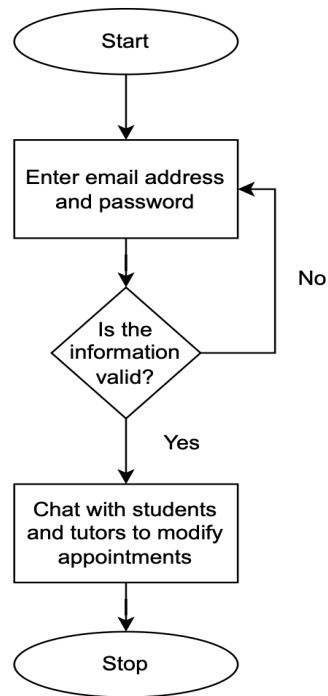


Figure 12: Add and modify appointments

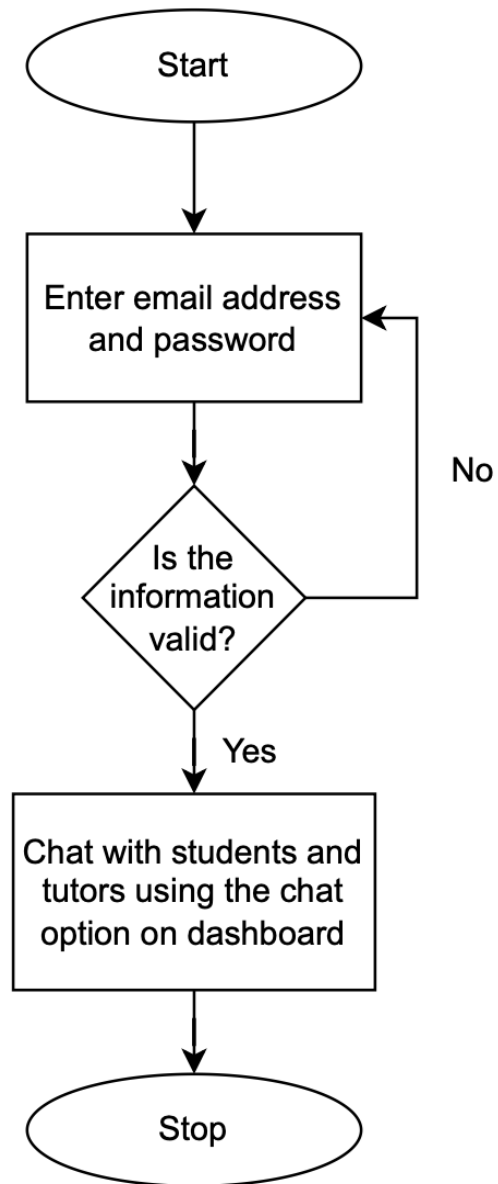


Figure 13: Chat with tutors and students

## 7 Sitemap

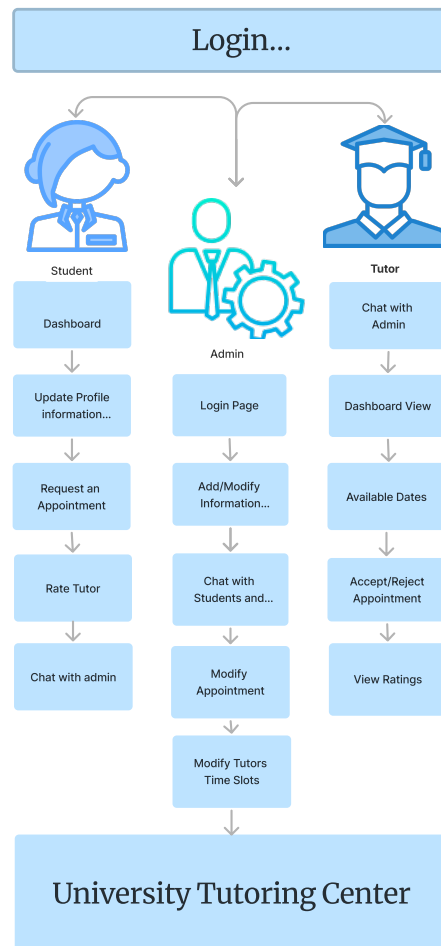


Figure 14: Sitemap

## 8 Screenshot

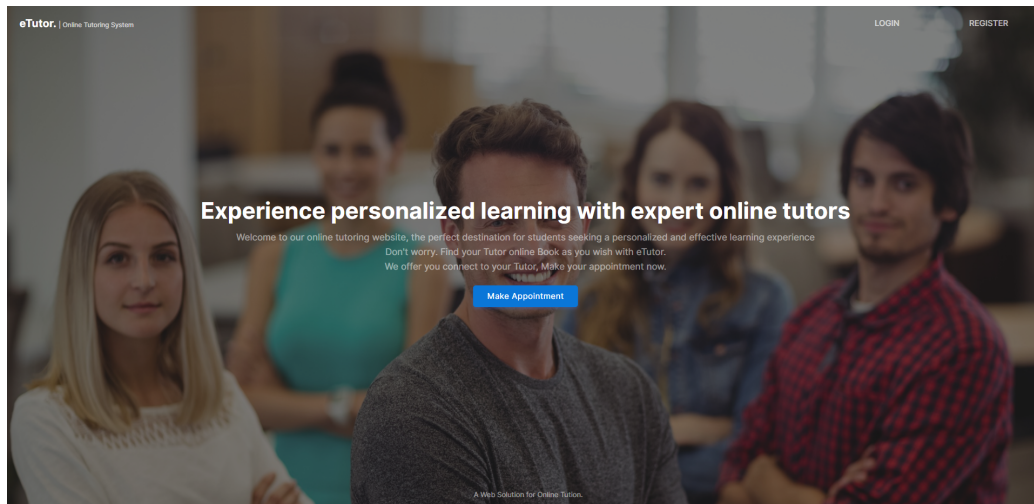


Figure 15: Welcome Page

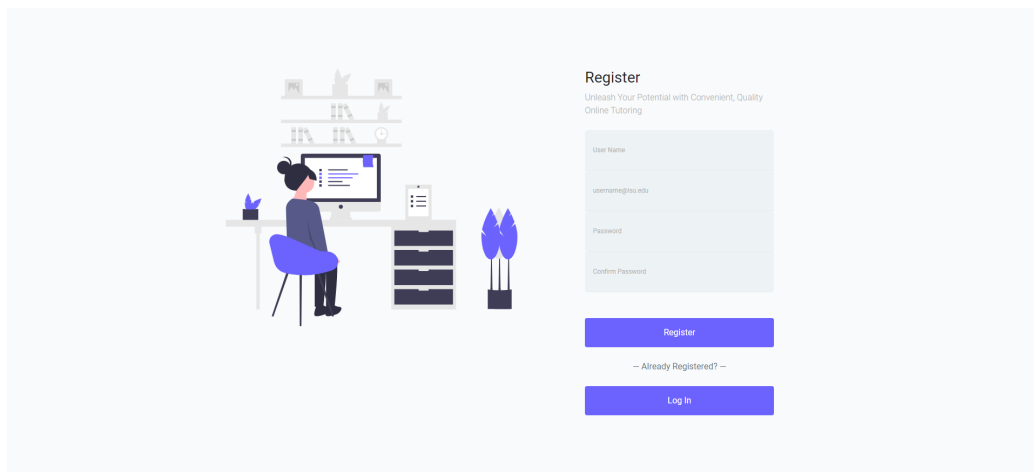


Figure 16: Student registration form

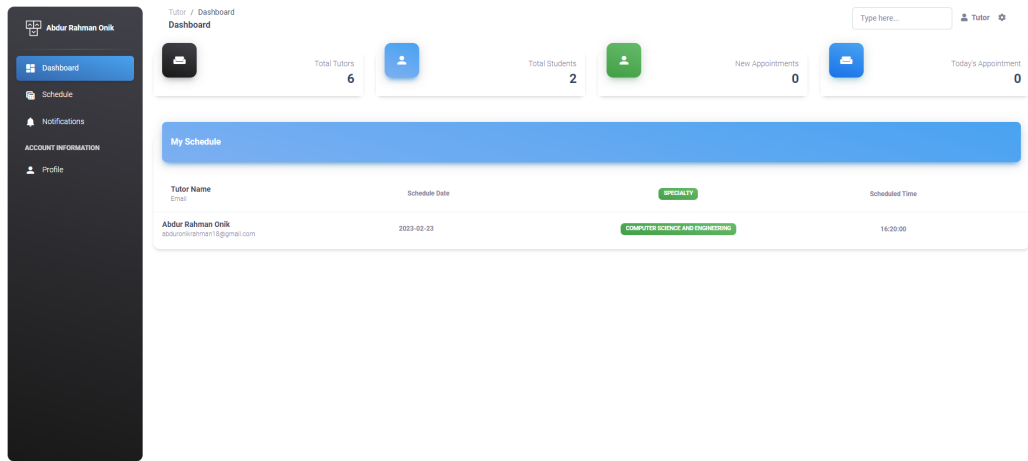


Figure 17: Tutor dashboard for pending appointment requests

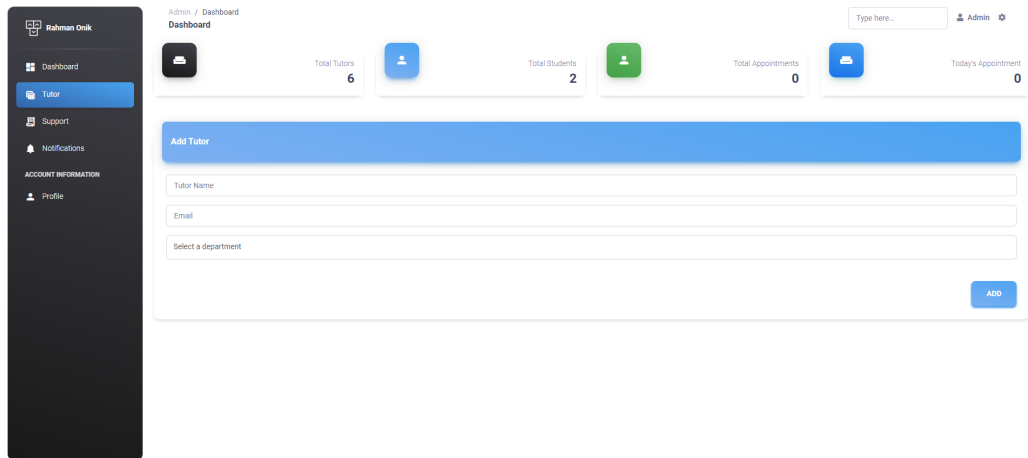


Figure 18: Coordinator dashboard for modifying appointments

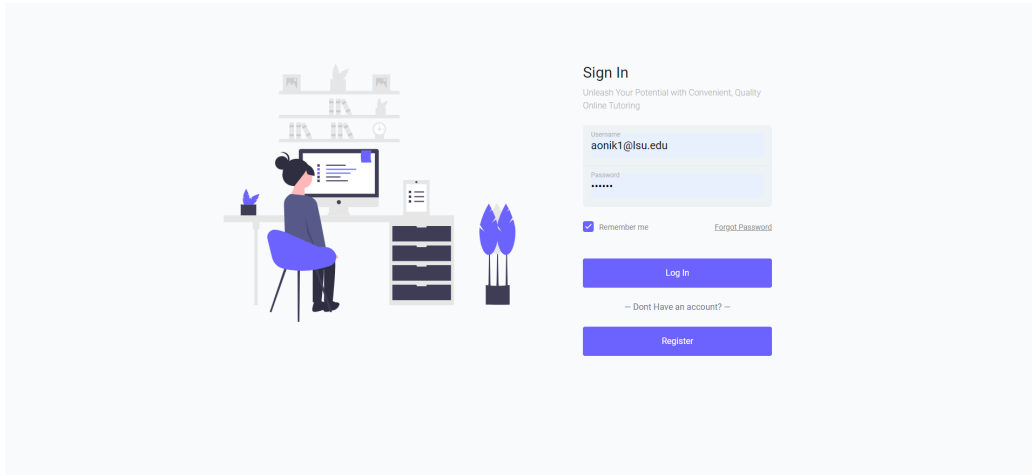


Figure 19: Login page for user

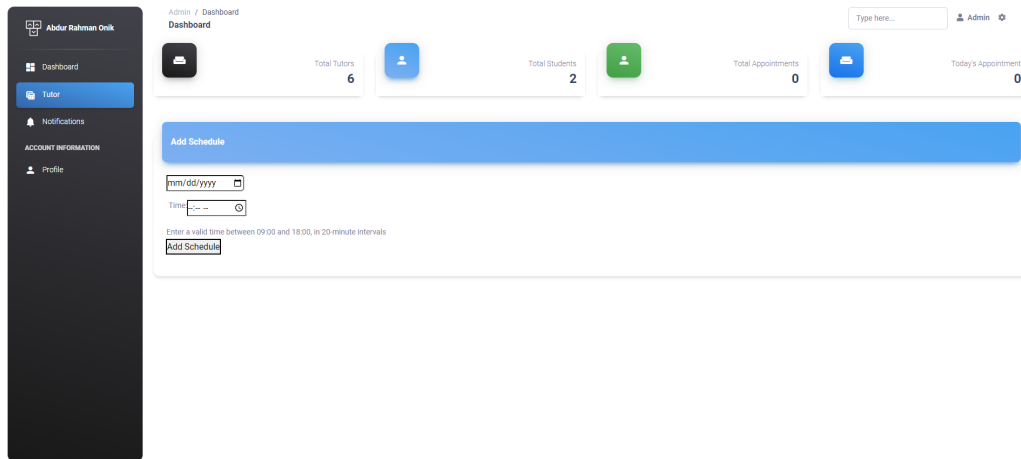


Figure 20: Tutor availability form

These images provide an overview of the various use cases involved in the online tutoring center. Figure 16 shows the student registration form, which allows students to register and create an account on the platform. Figure 17 shows the tutor dashboard for pending appointment requests, where tutors can view and accept or decline student appointment requests. Figure 18 shows the coordinator dashboard for modifying appointments, where coordinators can view and modify student appointments and tutor schedules.

Figure 19 shows the users login page. Figure 20 shows the tutor availability form, allowing tutors to set their weekly availability. These use cases are essential features of the online tutoring center and are being developed by the team.

## 9 Link of Project

Here is a link to our GitHub repository:

[CSC-7135-Group-D](#) .

We have hosted our site on AWS Server. Here is a link to our application [Onile Tutoring Site](#).

1. Role: Student
  - (a) aonik1@lsu.edu
  - (b) password: 123456
2. Role: Tutor
  - (a) abduonikrahman18@gmail.com
  - (b) password: 123
3. Role: Admin
  - (a) abduonikrahman@gmail.com
  - (b) password: 123