



Group 115

UniHand

Presented By

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Overview

UniHand is a webapp designed to make university life easier for the students, professors and management. It acts as a centralized platform for various essential academic functionalities such as:

- Module Enrollment
- Class scheduling (For professors to schedule/reschedule classes) (For Students to view upcoming classes)
- Grade viewing and Publishing (Viewing for Students, Publishing for Professors)
- To-do lists (Personal Student activity tracker)
- Appointment scheduling

Why is it useful?

- Efficient Course Management: Enables professors and management (Admins) to manage student enrollments and class schedules seamlessly.
- Student Productivity Tools: Includes a To-Do List and Discussion Forum to enhance learning engagement.
- Secure Role-Based Access: Ensures different user types (students, professors, management) access only relevant features.
- Centralized Communication: Allows scheduling of appointments and messaging, reducing administrative overhead.

Specification

Functional Requirements

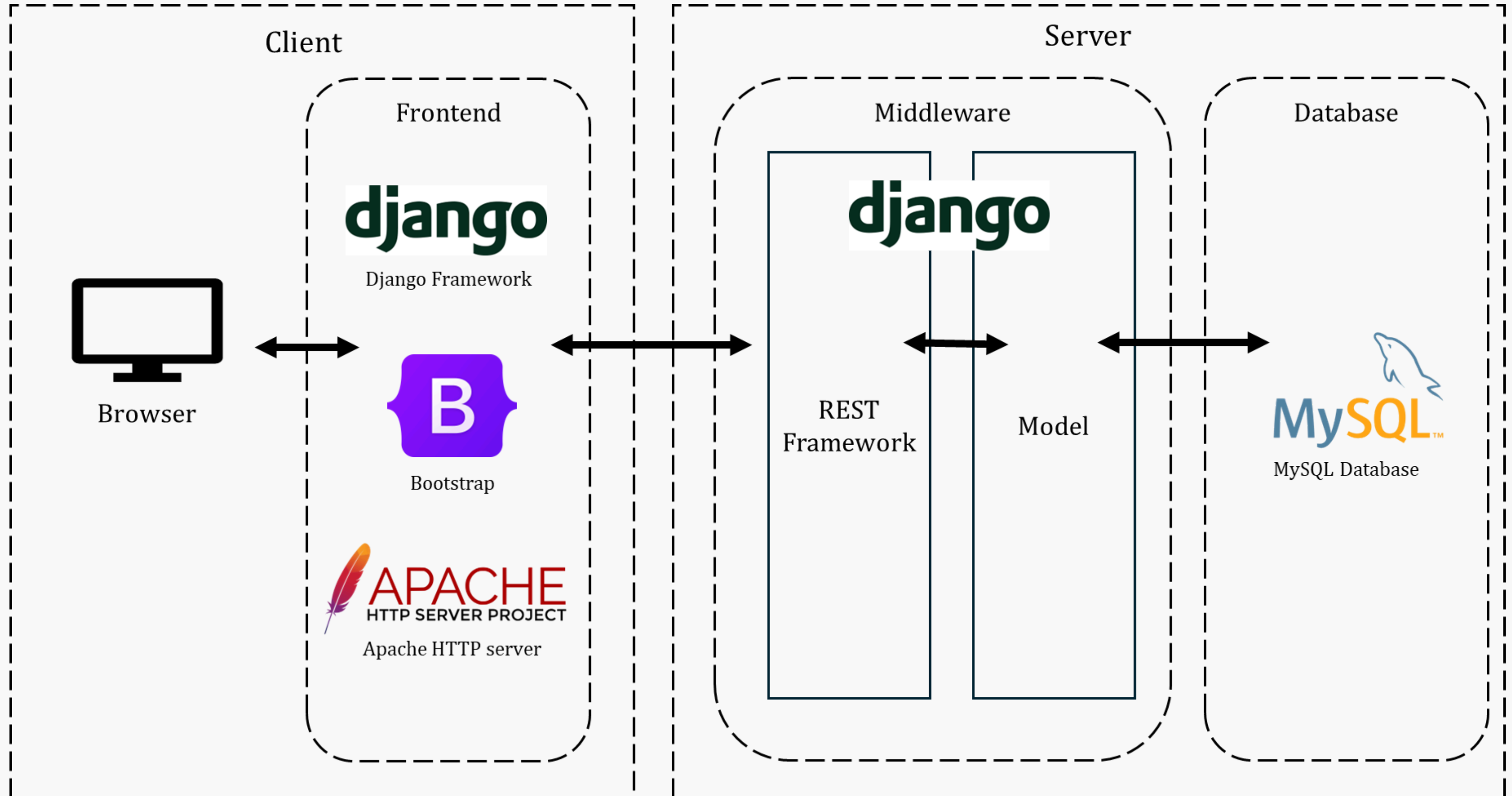
- **User authentication & Security**
 - Secure login with **role-based access control (RBAC)** ensures users access only their relevant features.
 - **Encrypted password storage** protects sensitive data.
- **Course & Enrollment Management** (Simplifies Course Administration)
 - **Students:** View enrolled courses effortlessly.
 - **Professors:** Enroll/remove students in courses as needed.
 - **Admins:** Create, modify, and delete course records.
- **Class Scheduling** (Keeps Schedules Organized)
 - **Students:** Access up-to-date class timetables.
 - **Professors:** Modify schedules when necessary.
 - **Admins:** Create/delete schedules for effective time management.
- **Grade Management** (Enhances Transparency & Accessibility)
 - **Students:** View grades in real-time.
 - **Professors:** Input and update student grades easily.
 - **Admins:** Modify grades for corrections when required.

- **To-Do List (Students Only)** (Improves Organization & Productivity)
 - Allows students to **track assignments and deadlines**, improving time management.
- **Appointments (Students & Professors)** (Streamlines Communication)
 - Enables scheduling/cancelling of meetings for academic discussions.

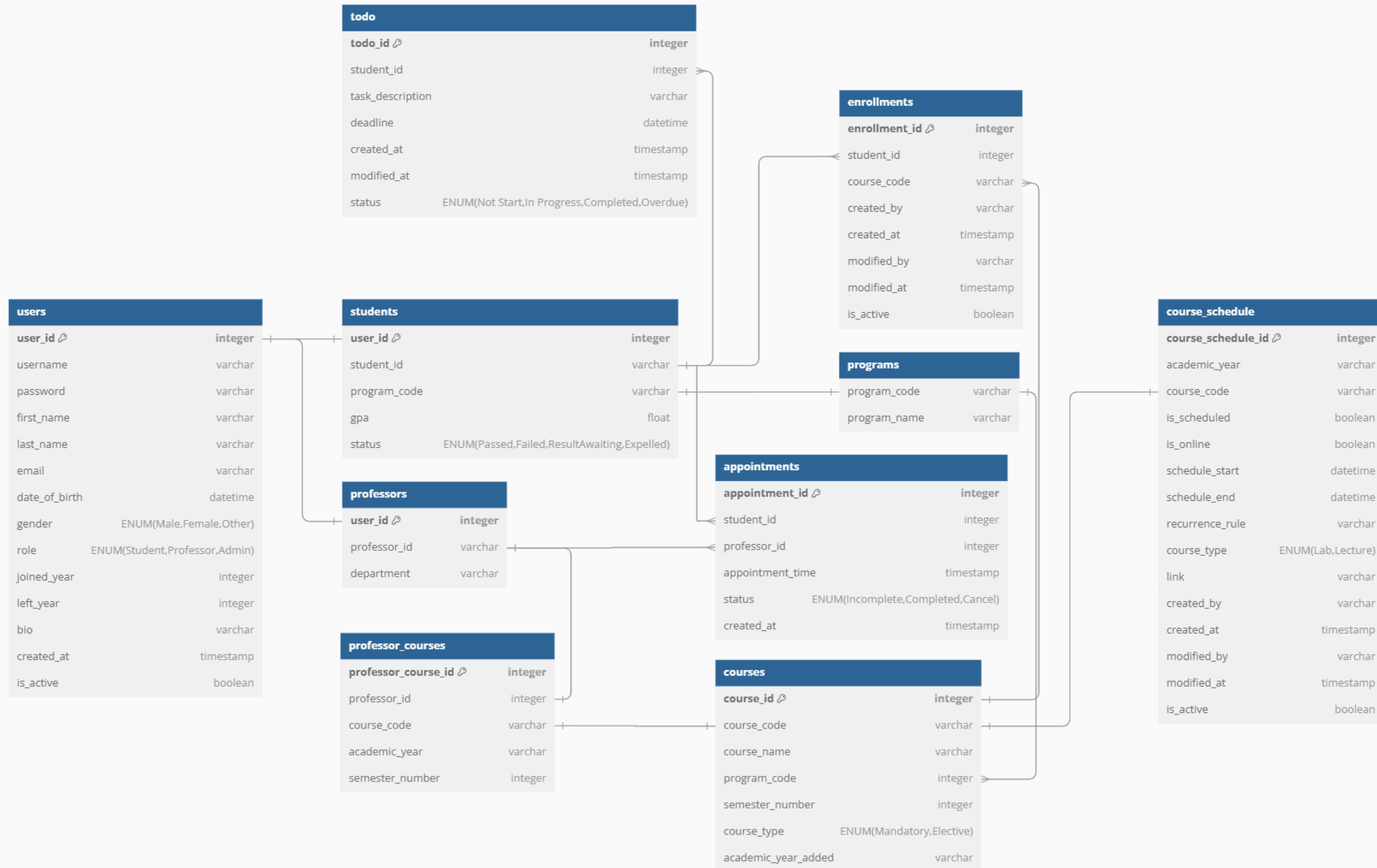
Non-Functional Requirements

- **High Performance**
 - Supports multiple users with fast response times.
- **Data Security**
 - Uses encryption to safeguard user data.
- **User-Friendly Interface**
 - Responsive design for seamless use on desktop & mobile.

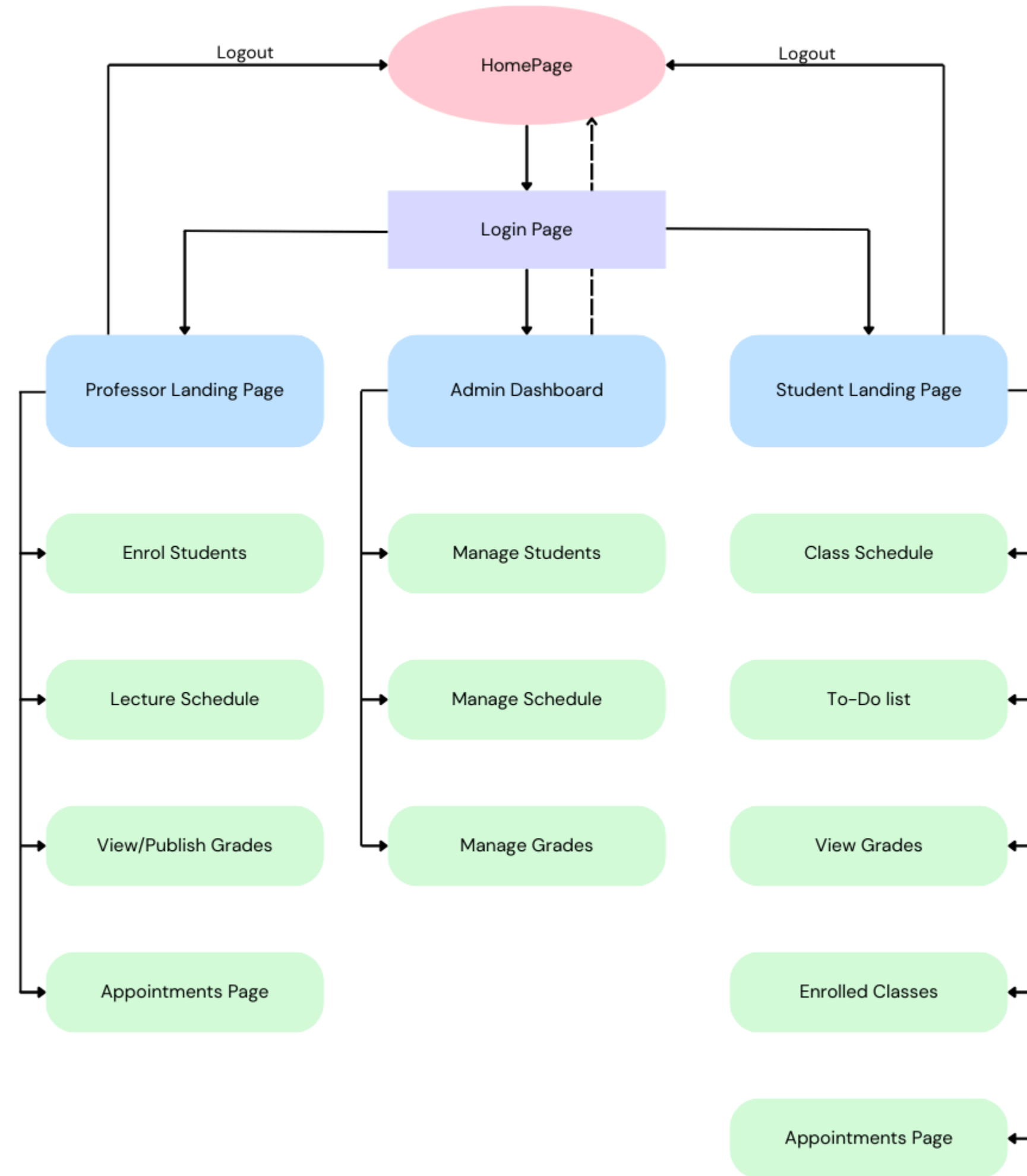
System Architecture



ER Diagram

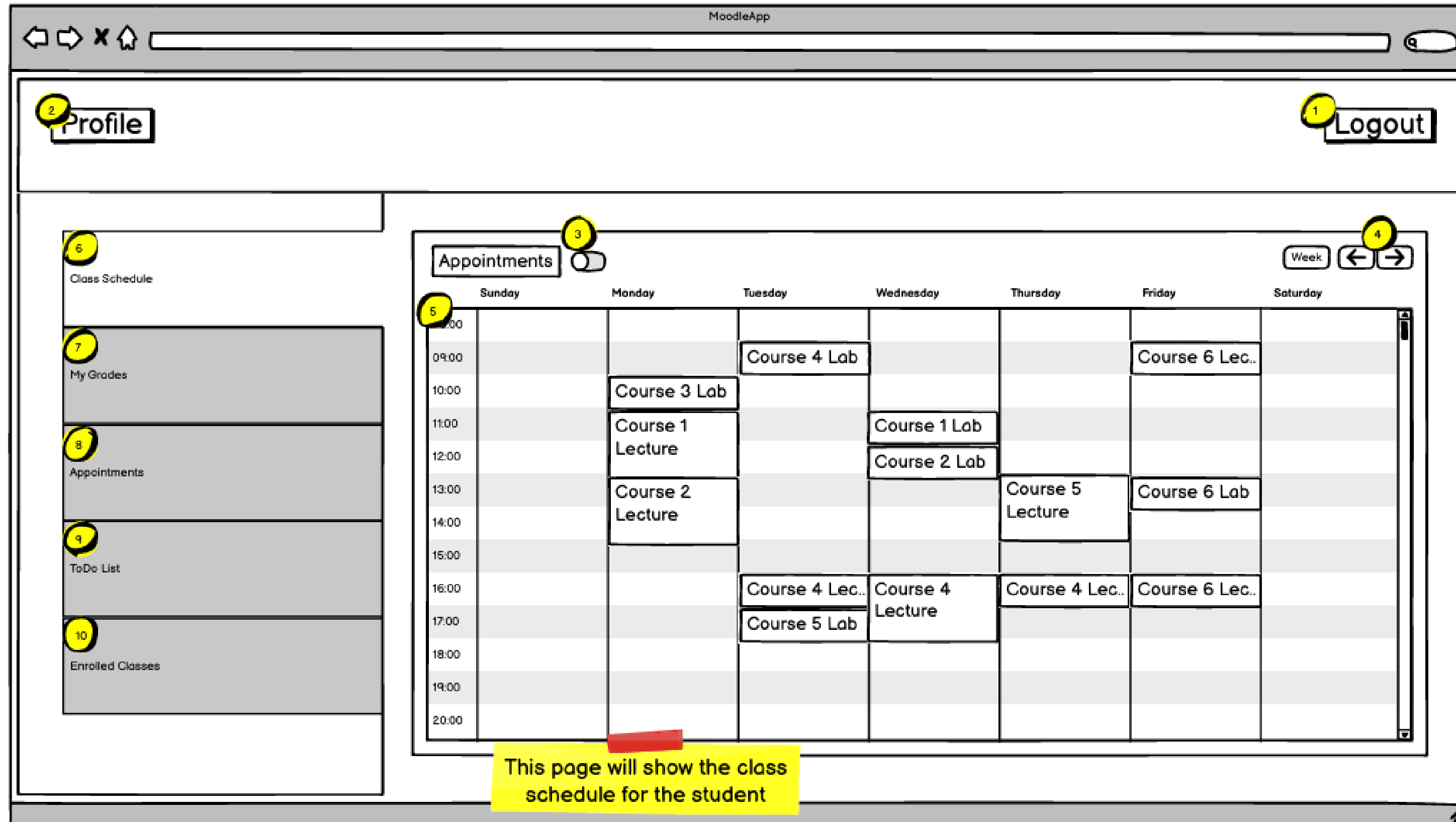


Sitemap



Wireframes

Class Schedule (for Students)



Student - Class Schedule Page

1. Logout button

2. Profile button, that takes student to their profile page

3. Students can toggle on/off the appointments to view them in this view

4. Students can see their schedule for different weeks by clicking on the arrow buttons.

5. This view will show the student's scheduled classes for a particular week. Any changes made by professors in the class schedule will reflect here. Class schedule will depend on the classes a student has opted for.

6. Currently on "Class Schedule" Page

7. Clicking on "My Grades" will take students on that page, and they can view their grades for the course they have opted for.

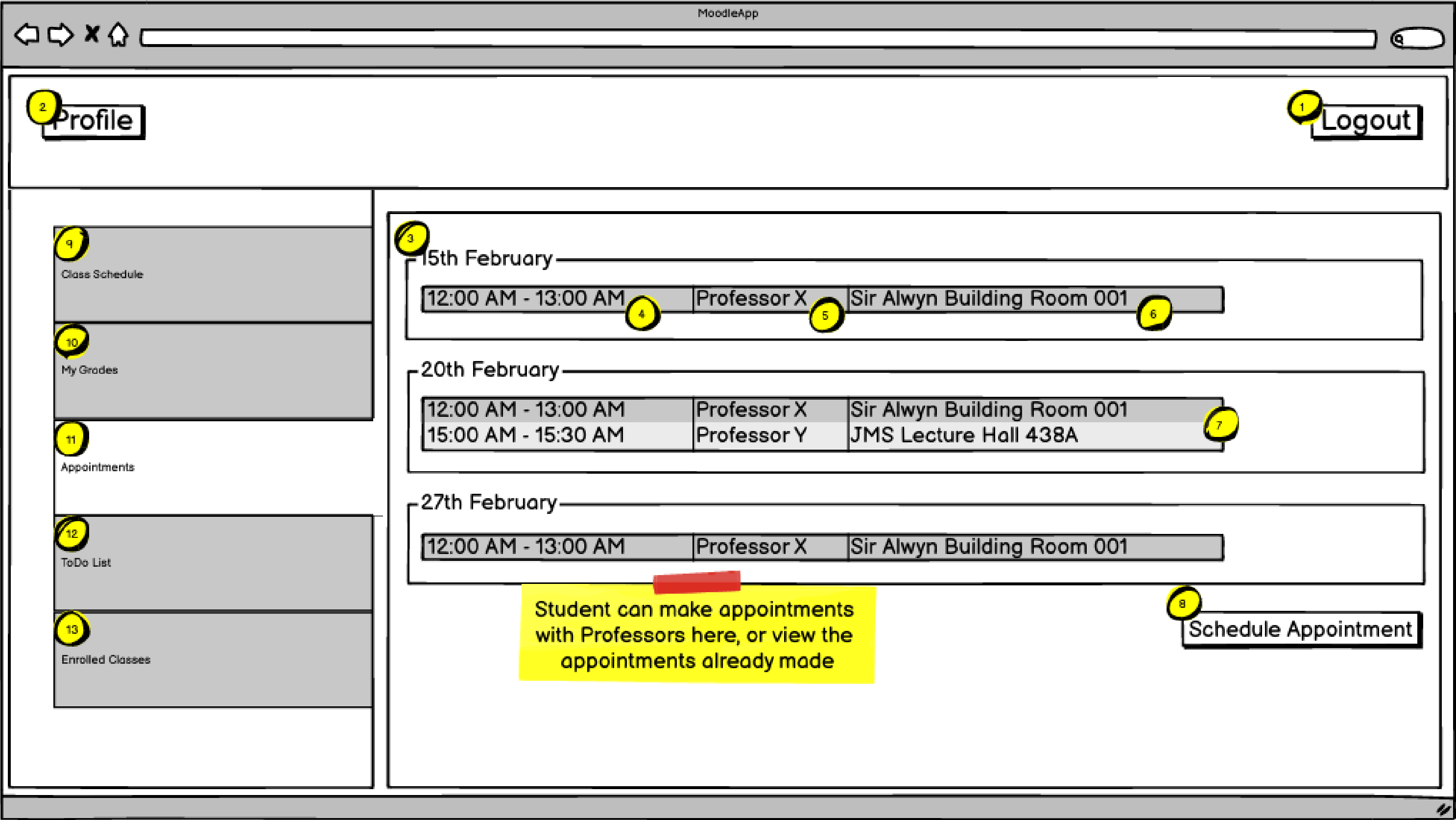
8. Students can click "Appointments" to go on the Appointments page.

9. Students can click "ToDo List" to see custom to-do list.

10. Students can click "Enrolled Classes" to see the classes they are enrolled in the current semester.

Wireframes

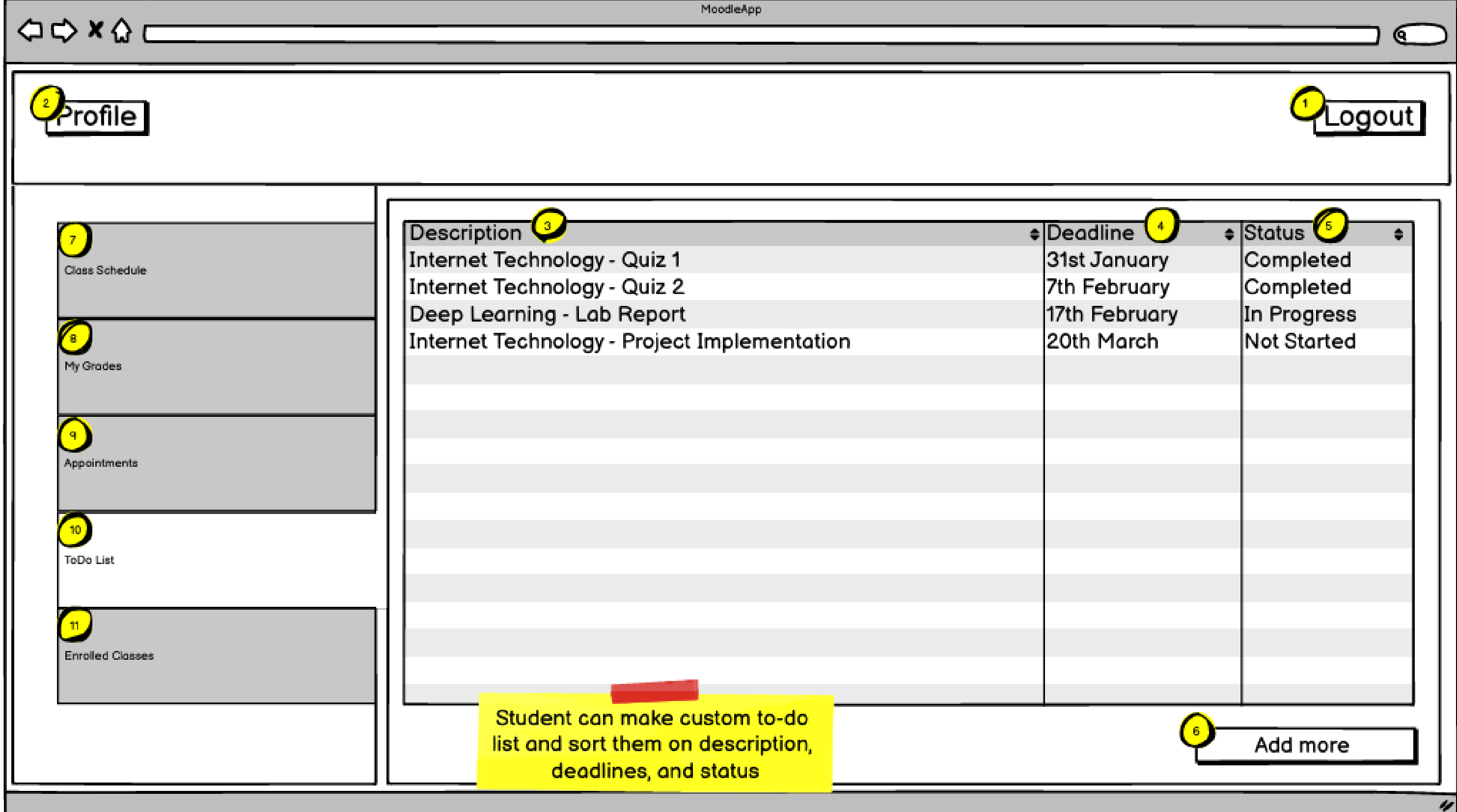
Appointments (for Students)



Student - Appointments Page

1. Logout button
2. Profile button, that takes student to their profile page
3. Date on which the appointment is scheduled
4. Scheduled time of the appointment.
5. Name of the professor the appointment is scheduled with.
6. Place where students needs to go for the appointment.
7. If a student have multiple appointments scheduled on a single day, all the appointments will show up.
8. Students can click on "Schedule Appointment" button to schedule more appointment with the professors.
9. On click, takes students to "Class Schedule" page.
10. Clicking on "My Grades" will take students on that page.
11. Currently on "Appointment" page.
12. Students can click "ToDo List" to see custom to-do list.

ToDo List (for Students)

[illegible]

1. Logout button

2. Profile button, that takes student to their profile page

2. A short description for the each task

4. Date by which the task is supposed to be completed by.

5. Current status of the task. There will be four different types of status - Not started, In Progress, Completed, Overdue

6. Students can add more tasks by clicking on "Add more" button.

7. On click, takes students to "Class Schedule" page.

8. Clicking on "My Grades" will take students on that page.

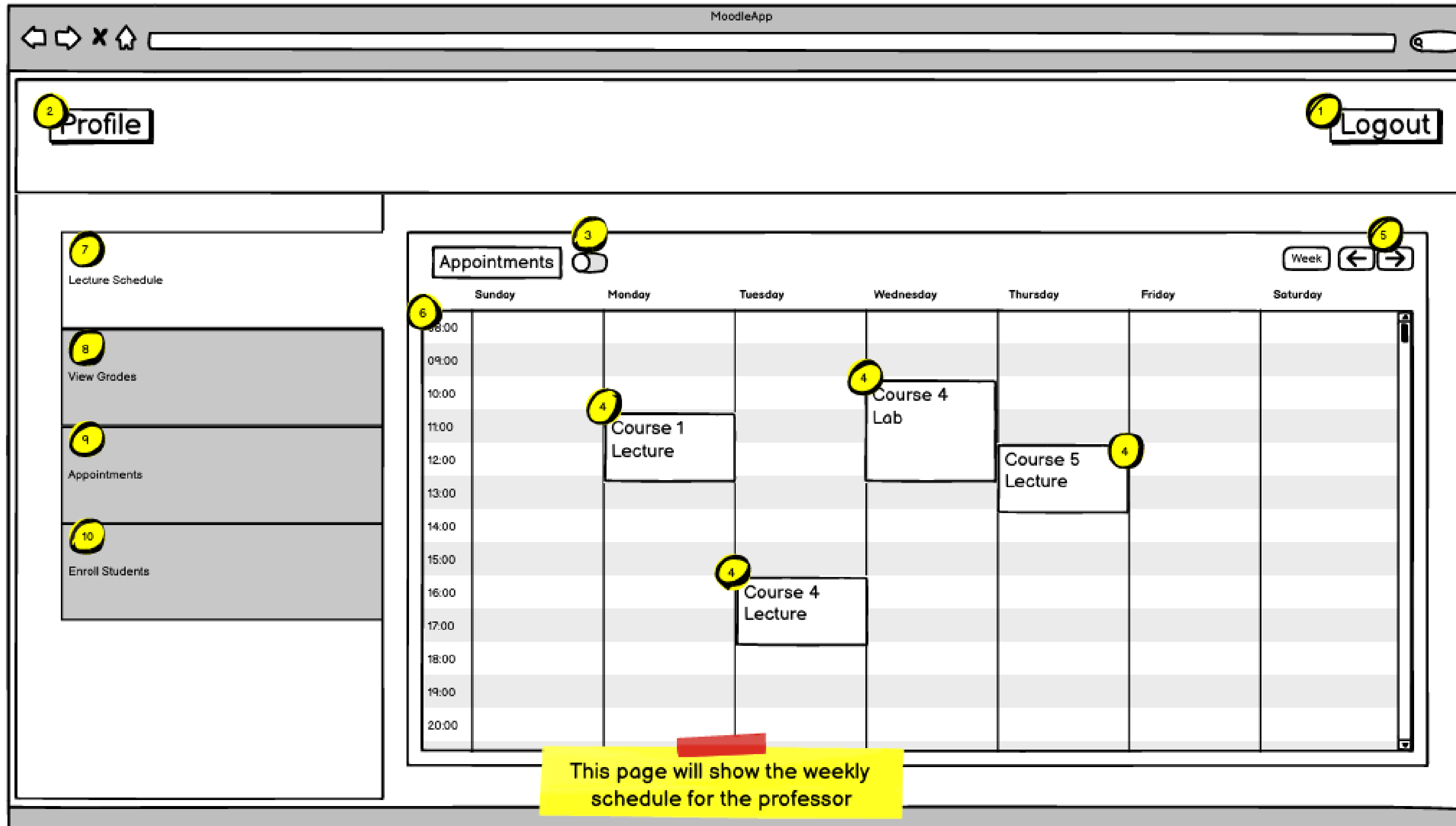
9. Students can click "Appointments" to check the appointments made with professors.

10. Currently on "ToDo List" page

11. Students can click "Enrolled Classes" to see the classes they are enrolled in the current semester.

Wireframes

Weekly Schedule (for Professors)

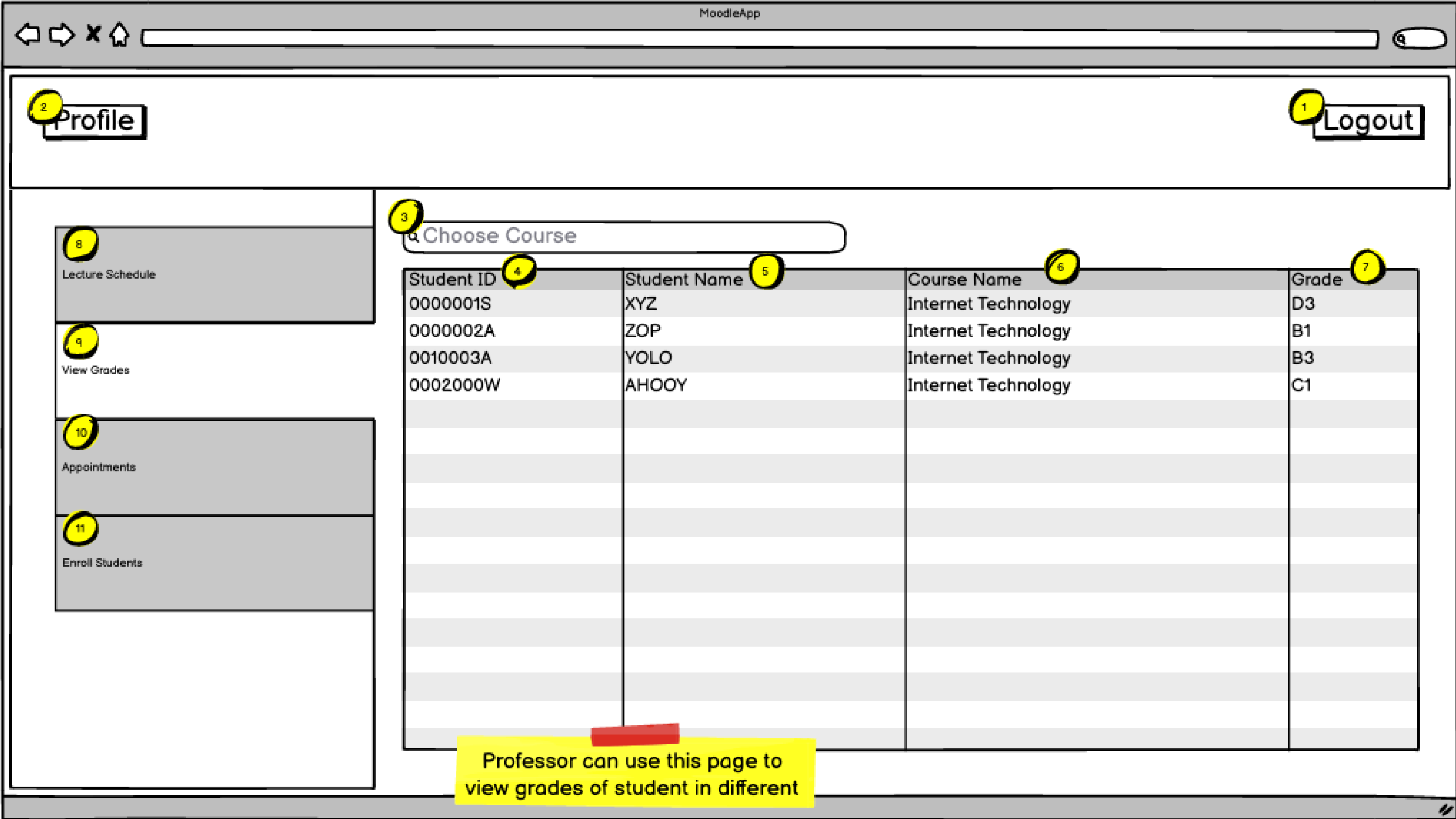


Professor - Class Schedule Page

1. Logout button
2. Profile button, that takes professors to their profile page
3. Professors can toggle on/off the scheduled appointments to view them in this page
4. Professors can click on any of these scheduled classes to change the timing of the class, turn offline classes to online and add the zoom link or vice versa. This change of schedule will reflect in both student's and professor's schedule.
5. Professors can click on arrow buttons to check their schedule for different weeks.
6. Professor's teaching schedule for a particular week.
7. Currently on Lecture Schedule Page
8. Clicking on "View Grades" takes you to that page.
9. Professors can click on the "Appointments" to see the appointments made by students with the professors.
10. Professors can click on the "Enroll students" to enroll students in the course they are currently teaching.

Wireframes

[View Grades Page \(for Professors\)](#)



Professor - View Grades Page

1. Logout button
2. Profile button, that takes professors to their profile page
3. Search bar, a professor can course that the professor is currently teaching to check grades of the student.
4. Student IDs of the student taking the course.
5. Student Name
6. Course Name (currently chosen in the search bar)
7. Grades obtained by the student in that course.
8. Clicking on "Lecture Schedule" takes you to that page.
9. Currently on View Grades Page
10. Professors can click on the "Appointments" to see the appointments made by students with the professors.
11. Professors can click on the "Enroll students" to enroll students in the course they are currently teaching.

Team Member's Contribution

- Adithyan Annadurai - 3004787A
 - Project Contribution - 33%
 - Contributed to Overview, Specification and Sitemap
- Mokha Lerthsuwanroj - 3003933L
 - Project Contribution - 34%
 - Contributed to System Architecture, and ER Diagram
- Gaurav Singariya - 3043108S
 - Project Contribution - 33%
 - Contributed to Wireframes