Review Scheduling Portal for TAC

Software Requirement Specification

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Project ID/Title	10 / Review Scheduling Portal For TAC
Tech Stack	Python Stack (AI)

1. Introduction:

1.1 Purpose:

The project requirements for the Review Scheduling Portal for TAC are detailed in this paper. Students, faculty, and administrators can utilize this web-based program. By making it easier for instructors and students to schedule project review meetings, this portal will increase the effectiveness of the project review procedure.

1.2 Scope of this document:

This document specifies the requirements for the Portal. It encompasses features for proposing, scheduling, and managing review sessions, catering to students, faculty advisors, and administrators.

2. Overview:

2.1 Users:

1. Students:

They can book the slots for the project review according to their convenience and make alterations to the timings if wanted within next 24 hours.

2. Faculties (Reviewers):

They can book the slots for the project review by first choosing their domain and then book their slot timings. They can also change it if wanted within next 24 hours, same as that for the students.

3. Admins:

Admins view the number of slots booked and the timings. They manage the slots that are to be opened and closed for the students and faculty at appropriate timings. They also set the available timings for the slots.

2.2 Features:

1. Login Page:

User's login with their appropriate authenticated mail ID.

2.Home page:

Here's where the slot booking option is displayed and the users book the available slot. In the case of admins, they get to view details such as students and faculty booked slot count.

3. Review Status:

The review status for each student will be displayed both in the admin as well as student dashboard. It will be updated as **"Ongoing"** once students register their slots. After completing the review, it will get updated to the **"Completed"** stage or else **"Not completed"** if not attended in the scheduled time.

4. Admins Dashboard and Access:

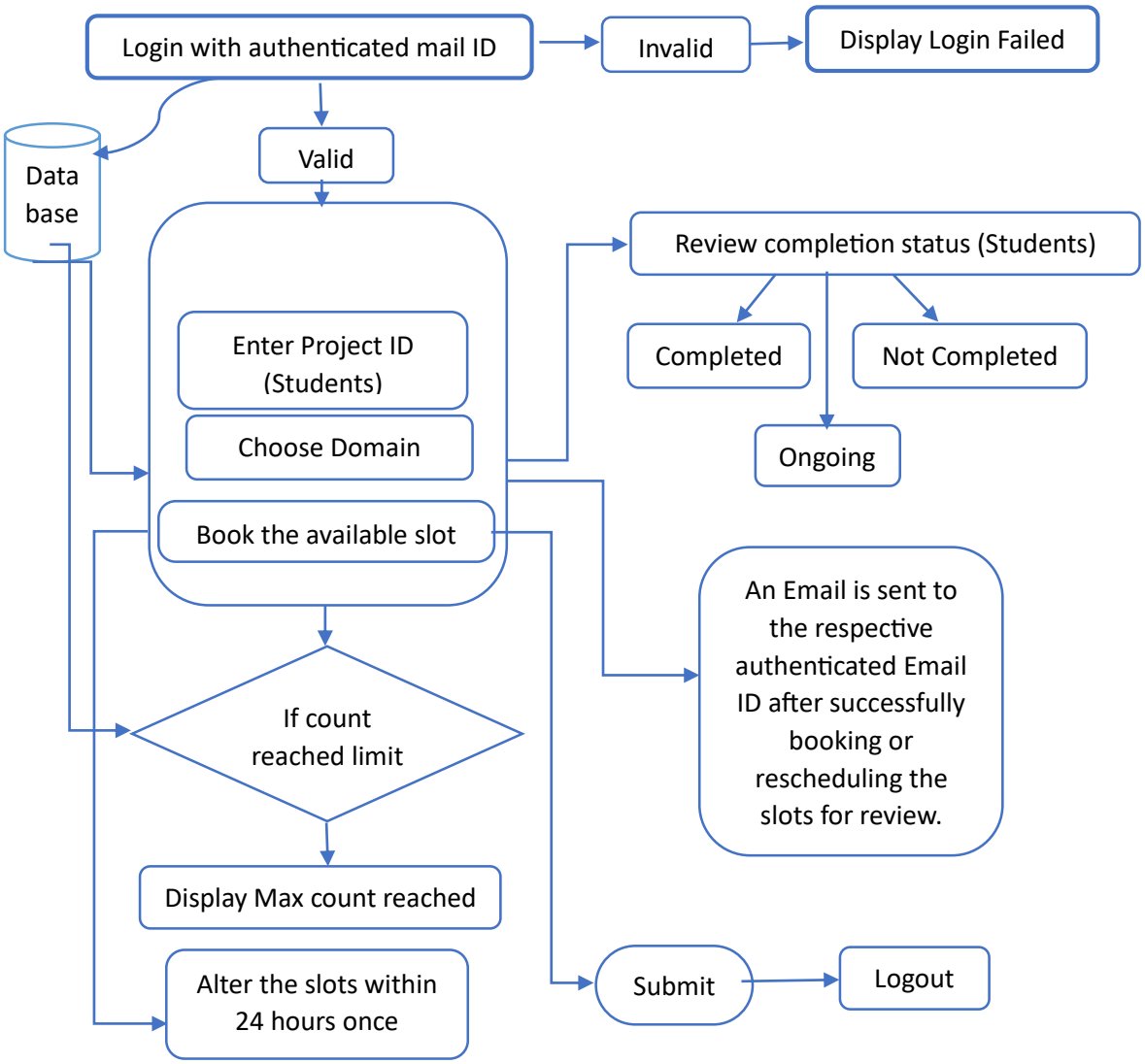
Access the students and faculty details and set the slot timings and view the students and staff details.

5. Logout option:

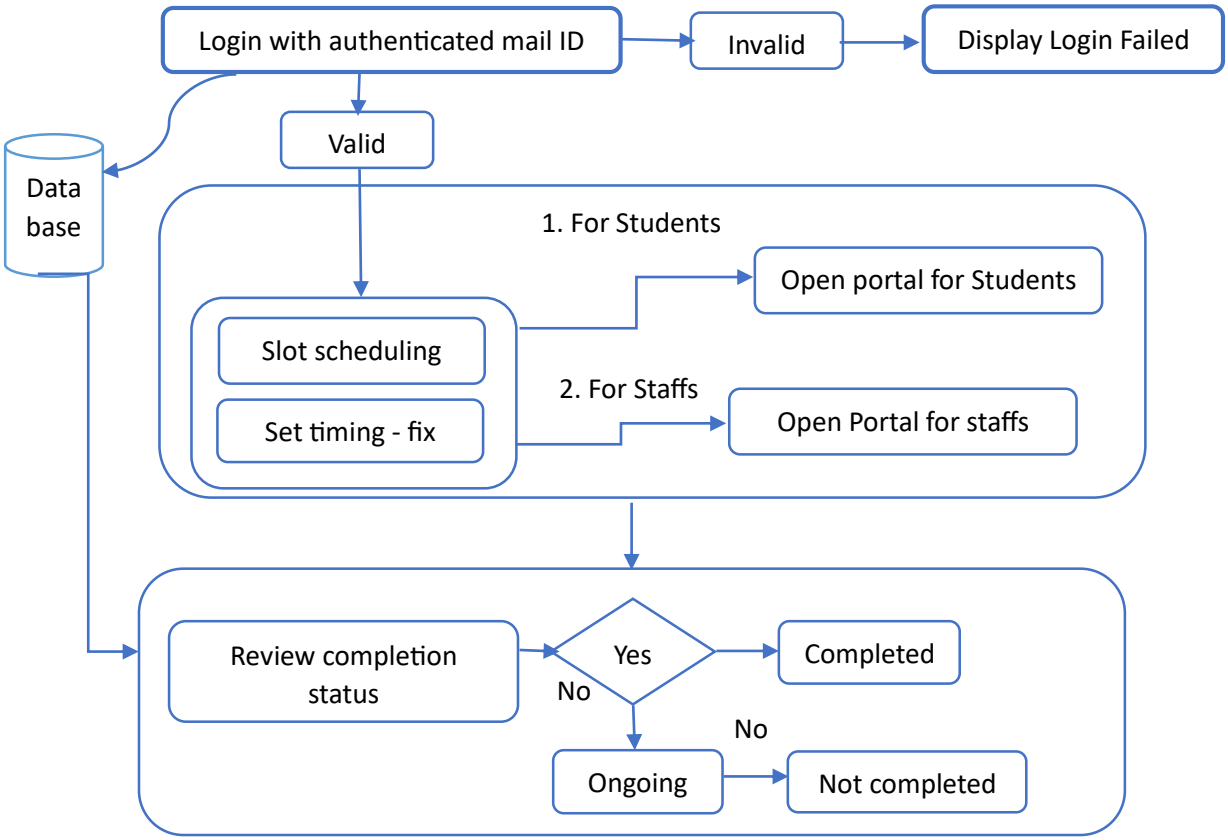
The logout option allows the users to log out of the page.

Workflow / Flowchart:

For Students and Staffs:



For Admins:



3.1 Functional Requirements

1. **User Management:**
    - Students and staffs can login and book slots.
    - Admins have access control over the slots and the timings.
2. **Completion status:** Students can view their review completion status.
3. **Rescheduling:** Students and faculties can reschedule the slot within 24 hours.
4. **Admins dashboard:**
    - Admins can view the count of software and hardware tac review appointments of the students and faculty
    - They have the access to open the slot booking separately for the students and the faculties.

- They can also schedule the timings accordingly.

3.2 Non-Functional Requirements

- **Performance:** Respond to user actions within 2 seconds. Handle at least 100 concurrent users without a performance drop.
- **Security:** Encrypt user data during transmission and storage. Restrict access to sensitive features to authorized admins via secure authentication.
- **Usability:** Provide an intuitive and user-friendly interface. Offer clear error messages for input mistakes or system failures.
- **Reliability**: Ensure 24/7 availability with minimal downtime. Implement backup and recovery to prevent data loss in case of failures.
- **Scalability**: Design to accommodate growing users and data volume. Be scalable for additional features and functionalities in the future.

Stack:

Front End	HTML, CSS, JavaScript
Backend	Python, Django (Python Web)
Database	PostgreSQL, MySQL