Work Flow for

Communication Assessment Slot Booking Platform

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Project Details :

Project Name	Communication Assessment Slot Booking Platform (**ID - 40**)
Description	Build a portal for Group Discussion that allows a user to book a slot for attending GD which include date and time, slot number and venue
Domain	Training and Placement
Stack	Spring Boot Stack (Java)

1. About:

1.1 Purpose :

The purpose of this project is to streamline the process of managing communication assessments within our campus by T&P. By developing a portal, the project aims to provide students with a user-friendly platform to book assessment slots and track their completion status. Additionally, the portal provides faculty and staff with tools to manage assessment details such as staff allocation, venue, timing, and dates. Overall, the purpose is to improve the efficiency and effectiveness of communication assessment management within the institution.

1.2 Product Scope :

The product scope of this project is to develop a web-based portal for managing communication assessments within our campus. The portal will include features such as user authentication, assessment booking, dashboard display, and faculty management. It will prioritize usability, performance, security, and scalability. Future enhancements may include integration with other systems and mobile compatibility.

1.3 Product value :

The developed web portal for managing communication assessments in our campus offers significant value by improving efficiency, enhancing user experience, increasing transparency, facilitating planning and decision-making, and promoting accountability. Through automation and simplification, the portal reduces administrative burdens for staff and students alike. Its user-friendly interface and real-time dashboard updates foster better communication and satisfaction. The portal's features enable staff to allocate resources effectively and make informed decisions.

1.4 Intended use :

A comprehensive platform for managing communication assessments within our campus. It is designed to facilitate the booking of assessment slots by students, provide a dashboard for tracking assessment completion status, and offer tools for faculty to manage assessment details. The project aims to streamline the assessment process, improve communication between students and staff, and enhance the overall efficiency of assessment management within the institution.

2. Breakdown of Requirement :

- Enable students to book slots for communication assessments, such as group discussions, self-introductions, and mock interviews.
- Provide a dashboard for students to track the completion status of their assessments.
- Allow faculty/staff to manage assessment details, including staff allocation, venue, timing, and dates.
- Implement user authentication to ensure secure access to the platform.
- Ensure the platform is user-friendly and accessible, with a responsive design for mobile devices.
- Incorporate security measures to protect user data and ensure privacy.
- Scale the platform to accommodate future growth and increasing demand.
- Integrate with other systems or platforms used by the institution for seamless data flow.
- Provide notification features to alert users about important updates and events.
- Allow for easy customization and future enhancements to meet evolving needs.

3. Key Features :

3.1 Slot Booking:

Students can reserve times on the platform for communication assessments, which include mock interviews, group discussions, and self-introductions. Students can speed up the booking process by viewing available slots, choosing the ones that best suit their schedules, and then receiving a confirmation email for the same.

3.2 Dashboard:

A dashboard feature provides students with an overview of their booked slots and the completion status of their assessments. It offers a user-friendly interface for tracking progress and managing assessments efficiently.

3.3 Slots Management:

Staff and administrators can manage slots, including adding new slots, editing existing slots, and closing slots that are fully booked. This feature ensures efficient allocation of assessment slots and prevents overbooking.

3.4 Remark Feedback:

After completing an assessment, students receive feedback from assessors or faculty which will be displayed in the respective slot booking site. This feature provides students with insights into their performance, helping them understand their strengths and areas for improvement.

4. Stack Architecture and Infrastructure:

Hosting	Netlify, AWS S3
Database	MySQL (RDMS) for structured data.
Front-end	HTML , CSS , React, JavaScript technologies.
Back-end	Frameworks (SpringBoot), RESTful APIs

5. Operational Specifications

5.1 User Registration and Authentication:

- Users (students and staff/admin) can register with the website using their email address and create a password.
- Upon registration, users receive a verification email to activate their account.
- Users can log in to the website using their registered email and password.

5.2 Assessment Slot Booking:

- Students can view available slots for communication assessments (group discussions, self-introductions, mock interviews) on a calendar.
- Students can select a slot and book it, specifying the type of assessment.
- The system should prevent double booking and show slots that are already booked as unavailable.

5.3 Dashboard:

- Students have a dashboard where they can see their booked slots and the completion status of their assessments.
- Staff/admin have a dashboard to manage assessment slots, view bookings, and track assessment completion status.

5.4 Slots Management:

- Staff/admin can add new slots, edit existing slots (e.g., change timings, update venue), and close slots that are fully booked.
- Staff/admin can view a list of all booked slots and the students assigned to each slot.

5.5 Instant Remark Feedback:

- After completing an assessment, students receive instant feedback from assessors or faculty.
- Feedback includes comments on performance and suggestions for improvement.

5.6 Notification System:

- The system sends email notifications to students confirming their booked slots and reminding them of upcoming assessments.
- Staff/admin receive notifications about new bookings, changes to slots, and other relevant updates.
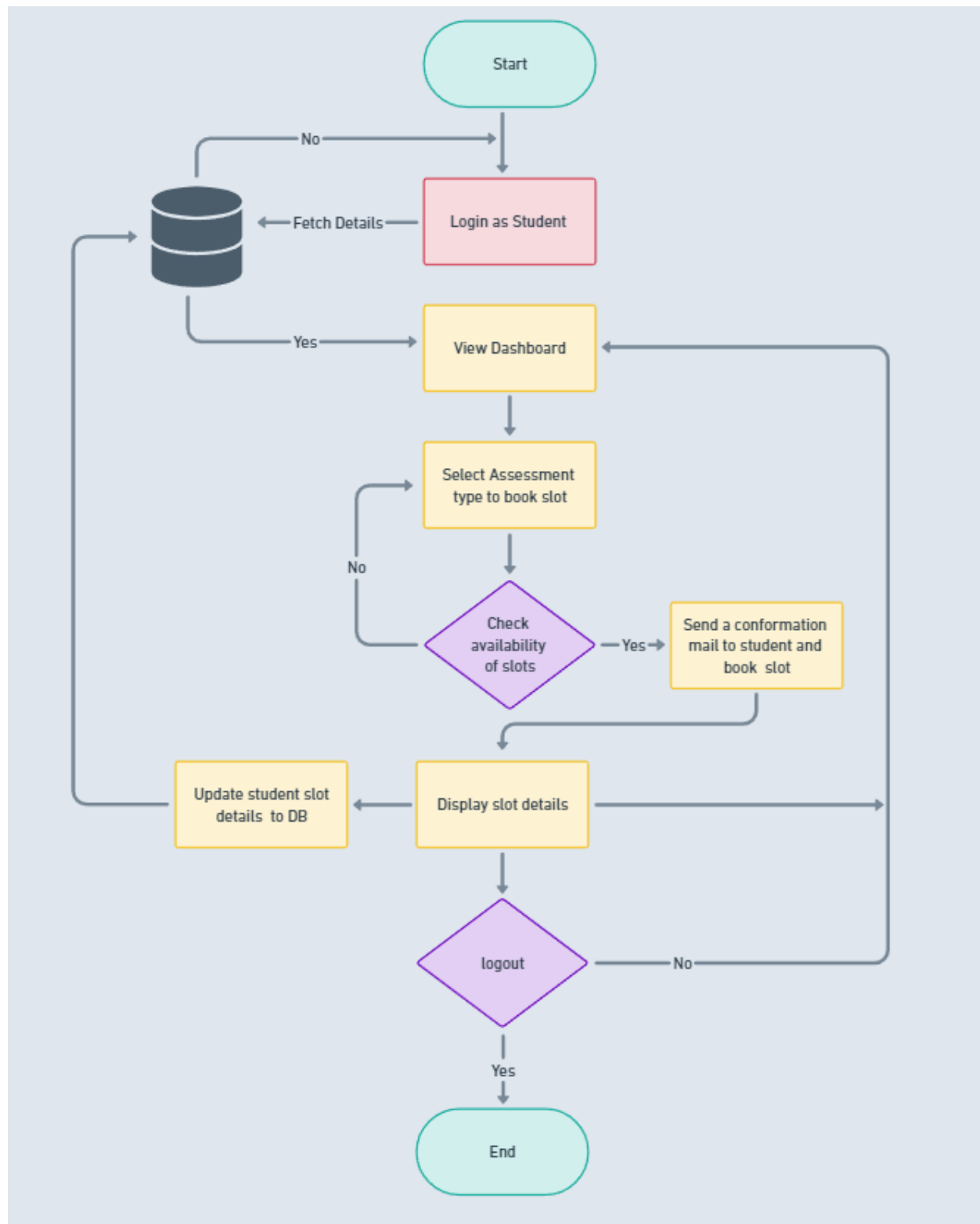
6. Dependencies

6.1 Proper Working and Performance of the Database:

This includes designing an efficient database schema to store user and admin data, booked slots, available slots, students list. The database should be optimized for fast retrieval and storage of data to ensure smooth performance of the platform,

6.2 Proper Hosting:

This includes selecting a hosting provider that offers sufficient resources, scalability, and reliability to support the expected traffic and usage patterns of the platform. The hosting environment should also provide adequate security measures to protect user data and prevent unauthorized access

7. User Flow

7. Admin Flow