

SOFTWARE REQUIREMENT SPECIFICATION FOR

TAC PORTAL

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ROLL NO	7373221ME156
SEAT NO	440
PROJECT ID	40

PROBLEM STATEMENT: Group Discussion Slot Booking System

PROBLEM STATEMENT DESCRIPTION:

Building a Group Discussion portal allowing users to book a slot for attending GD, including date and time, slot number, and venue. There will be two entities - the admin and the user - each with their dashboard. Establishing an intuitive registration procedure makes it simple for users to reserve spots while collecting necessary data like name, student ID, and preferred session type. In addition, the admin possesses event modification authority. Furthermore, a performance evaluation feature will be implemented, enabling the admin to incorporate interview feedback.

PROJECT DETAILS:

- **PURPOSE:** The purpose of the "Group Discussion Slot Booking System" project is to develop a user-friendly and efficient portal that enables individuals to easily book slots for participating in Group Discussion sessions. By providing a convenient platform for selecting dates, time slots, venue options, and slot numbers, the project aims to streamline the process of scheduling and organizing GD sessions. This system will enhance the overall experience for participants and event organizers, ensuring smooth and effective management of Group Discussion events.
- **SCOPE:** The "Group Discussion Slot Booking System" scope includes developing a web-based portal with user registration, login, and slot booking functionalities. It involves creating an intuitive interface for users to view available slots, select desired dates and times, allocate slot numbers, and display venue details. The system will also incorporate administrative features for managing bookings and generating reports.
- **STACK DETAILS:** PYTHON STACK (AI)

FRONTEND	HTML, CSS, JS
BACKEND	Python, Django (Python web)
DATABASE	PostgreSQL, MySQL
API	Open API, REST Ful API

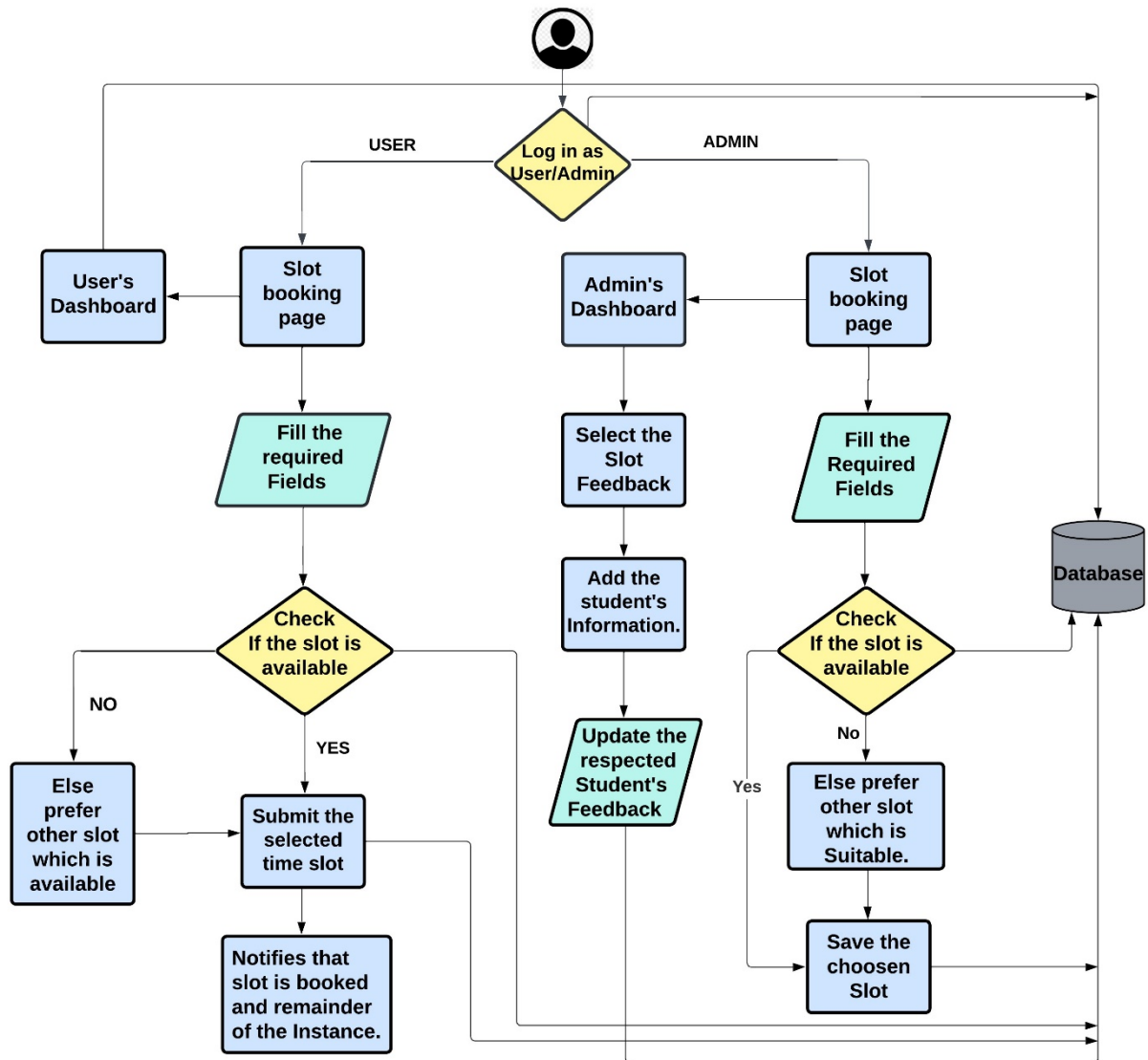
FUNCTIONAL REQUIREMENTS:

- **USER MANAGEMENT:** Users are the students required to register with verified BITSATHY Email IDs.
- **ADMIN MANAGEMENT:** Admins are the faculty members who manage user accounts by creating, modifying, and deleting the slots.
- **BOOKING OF SLOTS:** Students (Users) should be able to see and reserve the slots that are available for group discussions.
- **USERS REGISTRATION:** To ensure proper monitoring, students (Users) must register with the necessary details, including their name, student ID, and preferred session type.
- **PERFORMANCE ASSESSMENT:** The admin should be able to assess students' (Users) performance in each session, taking into account variables like participation percentage, and interview feedback.

DEPENDENCIES:

- Integration with Google OAuth for user authentication.
- Integration to retrieve and validate student data from the college's current student database system.
- The use of a dependable internet service provider guarantees uninterrupted accessibility to the online platform.

FLOW CHART:



ENTITY RELATION TABLE:

- **USER ENTITY:-**

ID	String Primary key
Username	String
Register Number	String
Email	String
Password	String
Batch	Number

- **ADMIN ENTITY:**

ID	String Primary key
Username	String
Email	String
Password	String

- **FEEDBACK ENTITY**

ID	String Primary key
Register Number	String
Feedback	String
Slot	String

- **SLOT ENTITY: (Booking)**

ID	String Primary key
Event Name	String
Batch	Number
Date	Date
Venue	String