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Seat No: 90

Project ID: 10

Project title: Tac review scheduling

Technical Components

Component	Tech Stack
Backend	Spring Boot
Frontend	React
Database	MySQL
API	RESTful services

Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	04/05/2024	Completed	Planning and Requirement gathering
Stage 2			Design and Prototyping
Stage 3			DB Designing
Stage 4			Backend Implementation
Stage 5			Testing and Implementation

1. Introduction

1.1 Purpose:

This document provides a detailed description of the Tac Review Scheduling system. It outlines the features of the system and explains the interface for administrator, students, and reviewers.

1.2 Scope:

- This software system will serve as a portal for the Technical Approval Committee (TAC), enabling students to book for TAC review.
- Faculties can book for TAC review as reviewers.

2. System Overview:

2.1 Users:

- **Admin:**
Opens Tac review slots for the students and the reviewer.
- **Students:**
They have the ability to book slots for their allotted TAC-ID.
- **Reviewer:**
They have the ability to book slots as a reviewer.

2.2 Features and Functionality:

- **Login and registration:**
Students and the reviewer can register for an account or login with their existing account.

- **TAC slot booking for students:**

Students can book the slots for their given TAC-ID only within a duration of three days and they can change their slot at most once within three days.

- **TAC slot booking for reviewer:**

Once the students book their slots, reviewers' portal will be enabled. A reviewer can book their slots for reviewing in the allotted timings within a span of three days. This booking will be done in the ratio of 1:10, that is, one reviewer will be allotted to 10 students.

*If the reviewers' slots are filled or if there is a slot with zero student, then that slot will not be shown to the reviewer for booking.

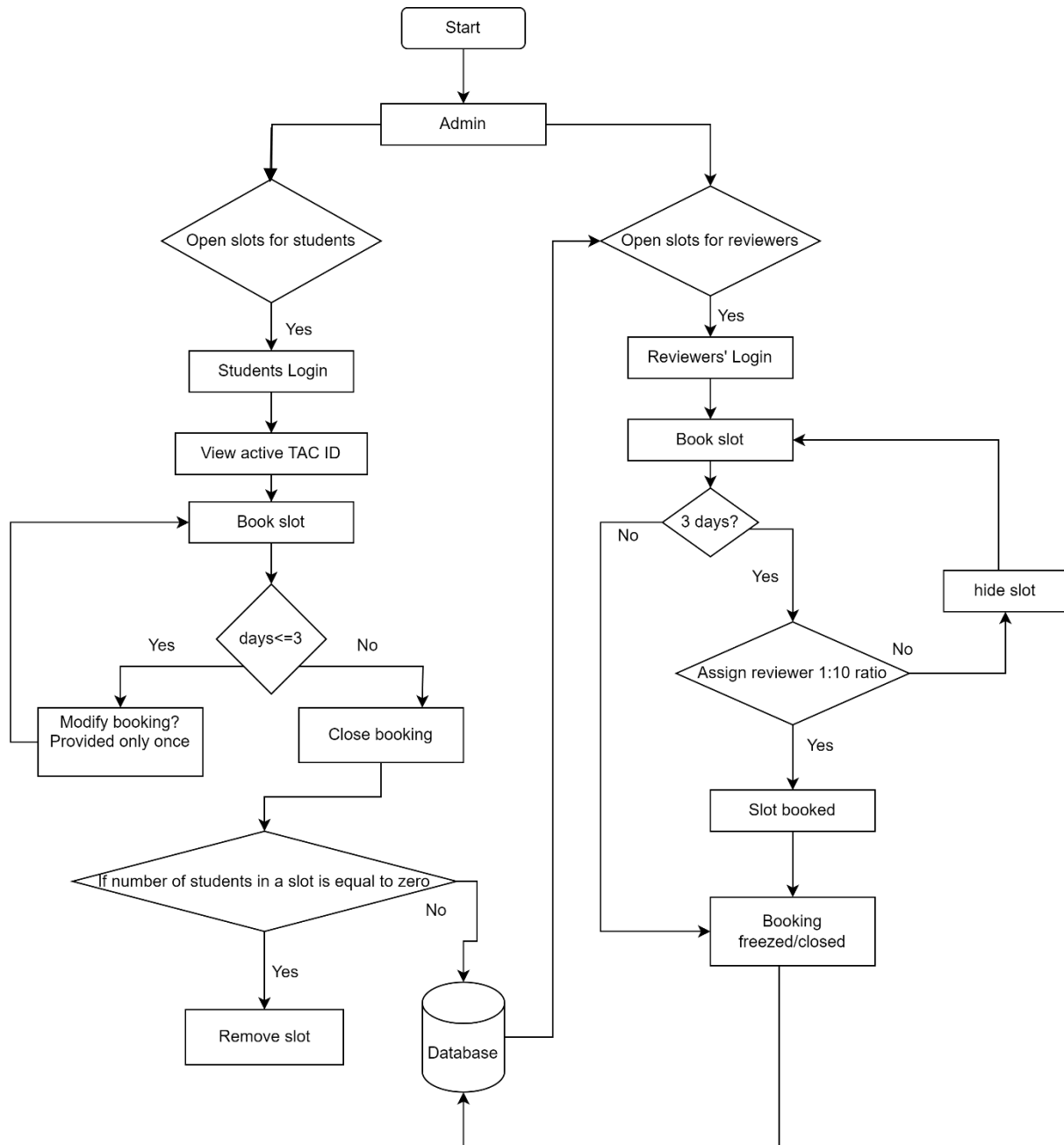
- **Generating Reports:**

Admin can now view the selected bookings by the students and the reviewers. This should be generated in a excel sheet with the slot timings, venue details, students TAC-IDs and their respective reviewer for it.

Excel format:

[illegible]

Flowchart



ER diagram:

