Student's Portal

Sujan Shrestha | 2329471

Introduction

Application Type - Resource Management Application

Features -
- View Classroom Availability and its Reservation
- View Teachers Availability and Meeting Scheduling
- Student and Teacher Registration
- Group Creation and Students Allocation on the Group
- Schedule Creation for Individual Groups

Aims of the Application

The primary aim of the application Student's Portal is to develop a comprehensive resource management system tailored and develop to fit along side a college environment. The application aims to enhance the efficient use of the college resources by providing students, faculty members and administrative staffs with a easy to use and polished application for classroom reservations, scheduling meeting with teachers, and managing other college resources.
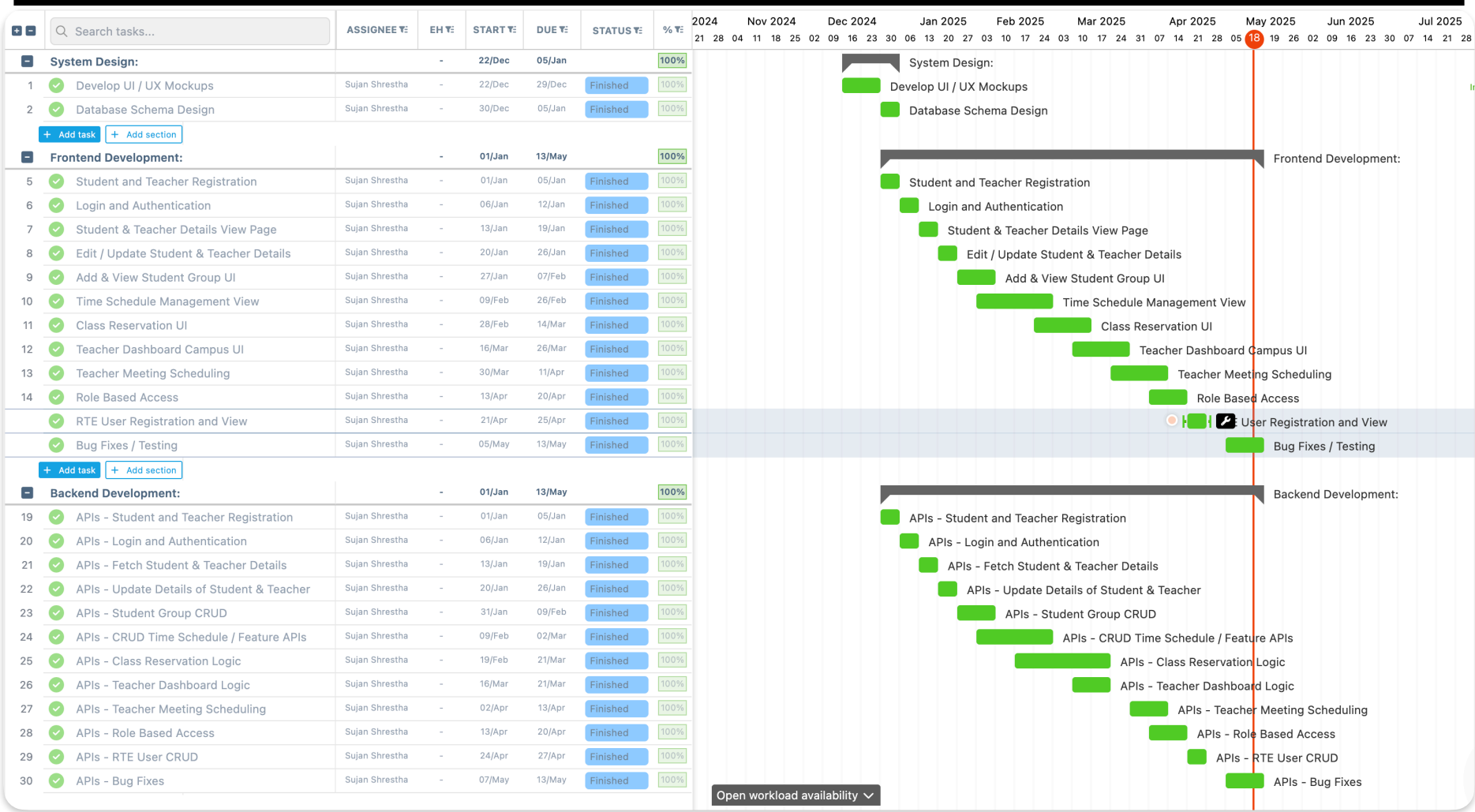
Objectives

- Efficient Resource Utilization
- View Classroom Availability and Reservation
- Student Registration and Management
- Teacher Registration and Management

Academic Question

How can the effectiveness and accessibility of college resources, such as group allocation, meeting scheduling, and classroom reservations, be enhanced by a centralized resource management system?
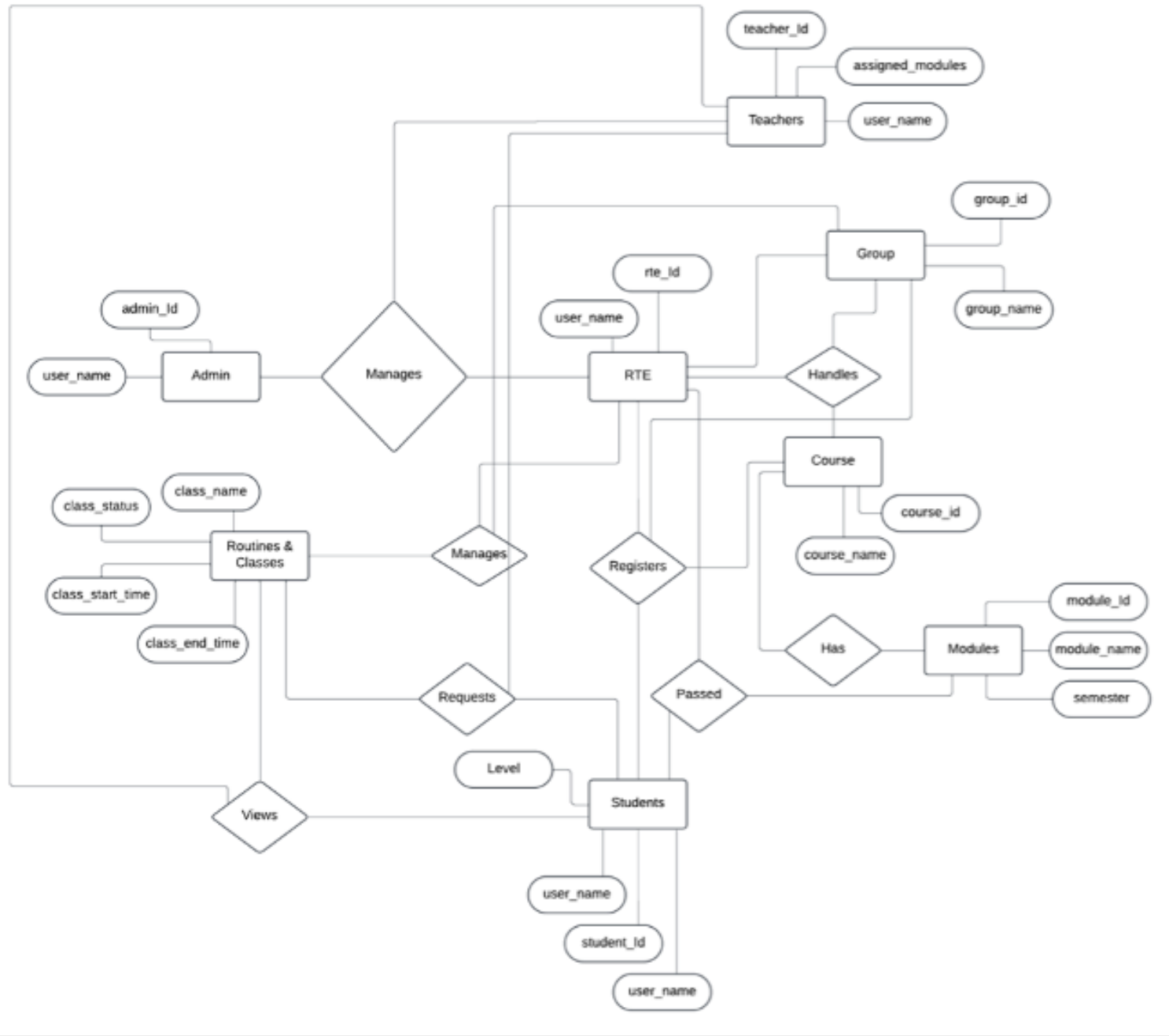
Gantt chart Chart

Evaluation

The last system developed—Student's Portal—successfully resolves the functional and practical needs that compelled its development. With the aim to surpass the inefficiencies that students have to face when trying to book classrooms or schedule meetings with instructors, the system provides a centralized streamlined solution to assist in avoiding face-to-face coordination with administrative offices. What began as an afterthought to prevent a widespread academic headache has evolved into a well-organized, full-stack application written in React.js for the front-end and Node.js for the back-end processes, with a good database and secure authentication mechanism.

Tools Used

React.js, Node.js, Mysql Database, GitHub, Postman

Application Flow

Future Plan

- Optimize the application and add more features that helps teachers and students
- Create an all in one application for students with all the features that helps students

Conclusion

Over the course of the project, we have successfully designed, planned and documented the overall progress of application.

The application aims to bridge the gap between students and the respective department for a set of functionality such as classroom reservation, viewing availability, class status, schedule meeting with teacher, view teacher status etc