Sprint 2 Plan

Team Members

Client: Shana Shaw
Project Owner (Sprint 1): Sai Patibandla
Scrum Master (Sprint 1): Joseph Cisneros
Developer (Sprint 1): Arunima Chowdhury Zengqi Liu
Team Meetings: Monday, Wednesday, Friday after class (12:30 pm)
Client Meetings: Wednesday (3:00 pm)

Project Overview

The goal of this project is to develop a software solution that automates the generation of block schedules for Engineering Academies (EA) across the state, starting with the Austin EA. The EA block scheduling system will be able to efficiently schedule math, science and engineering courses for both the fall and spring semesters. It will also ensure that no classes overlap while adhering to the prerequisites requirements. It aims to replace the current manual scheduling process, which involves manually processing spreadsheets, calendars and Google Forms. The software will be able to make the scheduling process for the Engineering Academics students and the administration smoother and more efficient in the admin side.

The project, which is designed for EA staff and students, provides a user-friendly interface that allows the staff and the students to create and manage schedules, making it easier to review, adjust and finalize the course schedules. By automating the scheduling process, it minimizes conflicts, ensures prerequisite requirements are met, and allows for quick modifications when necessary. The project is also supposed to provide a more structured and transparent way for students to plan their academic paths, helping them make informed decisions about their coursework. Moreover, it aims to reduce the administrative burden of manual scheduling, allowing the EA administration to focus on other essential tasks. Overall, the project is designed to improve efficiency and resource management for the Engineering Academies.

Links

GitHub Repo: https://github.com/patibas-tamu/EA-Block-Scheduling/

Project Tracker: https://github.com/users/patibas-tamu/projects/2

Slack Channel: https://app.slack.com/client/T08AF5S28LD/C08A3EL1J7R

Heroku: https://ea-block-scheduling-68f7266eed53.herokuapp.com/

Sprint Goal

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Implement new UI changes, integrate previous UI changes with the controller, and demo the app with the client for feedback.

Stories pulled into the Sprint

Four stories were pulled in the sprint.

1. Implement controller & view for bulk insertion of users (5 points)
    - As an admin of the scheduling app
    - So that I can add many users at once to the database
    - I want to upload a spreadsheet containing new users in a csv format.
2. Implement controller & view for course registration (3 points)
    - As a student of the scheduling app
    - So that I can enroll in courses
    - I want to select courses that I am eligible for.
3. UI Implementation for Home Page for students (3 points)
    - As a student of the scheduling app
    - So that I can have an account & later register for courses
    - I want to login and view the homepage.
4. UI Implementation for Block Selection (3 points)
    - As a student of the scheduling app
    - So that I can enroll in the specific section for the courses I selected
    - I want to select a block to finalize my schedule.

Story Assignment

1. Joseph
2. Sai
3. Arunima
4. Zengqi

Story Tasks

Create Cucumber/Rspec tests for each story as appropriate.

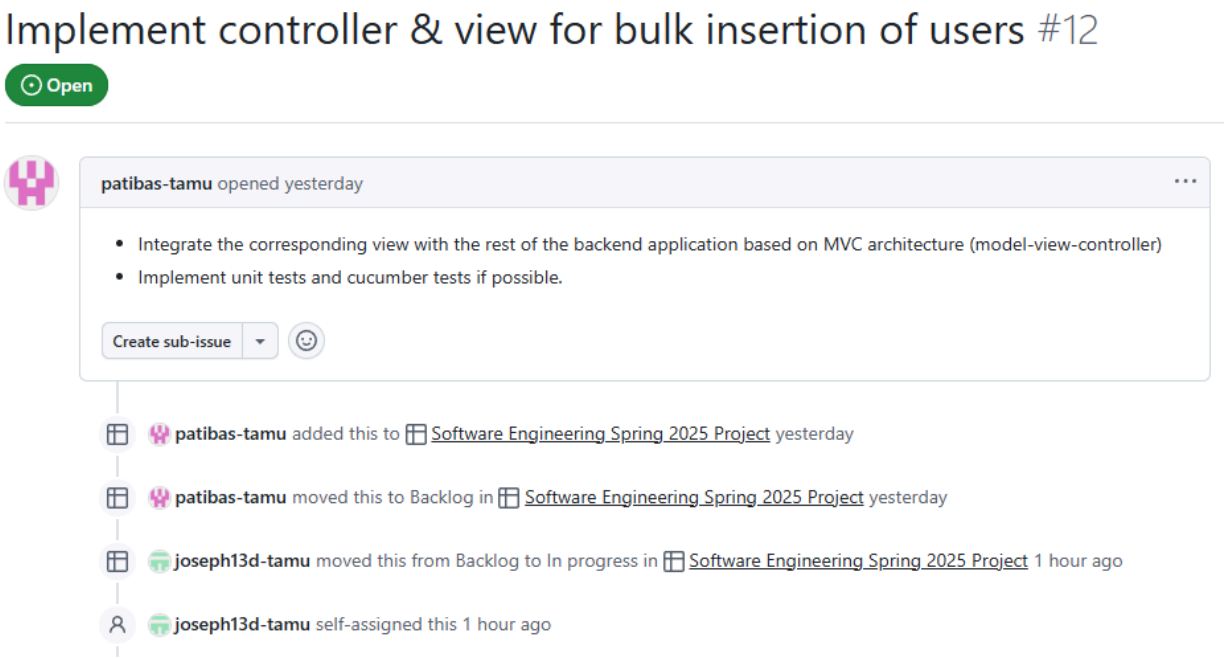
Complete implementation of UI pages.
Begin integrating the UI with their corresponding controllers.
Ensure code coverage remains above 90%.
Give a full demo of each story with the client, collect feedback, and decide on the direction for Sprint 3.

Stretch Goal

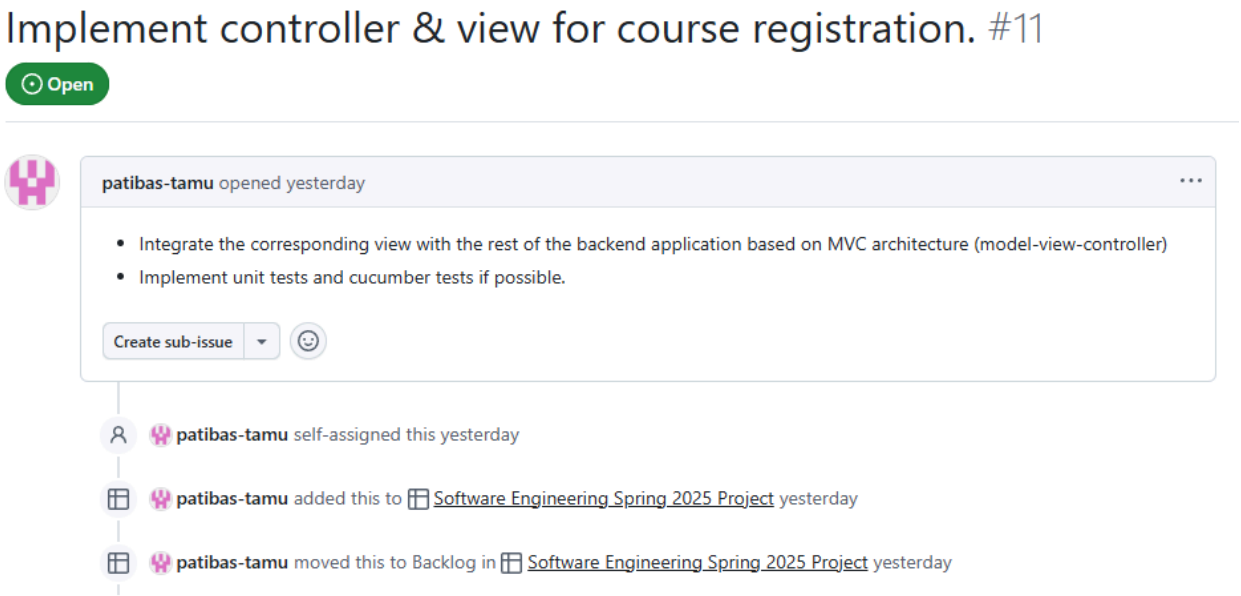
If time permits, integrate the view and controller for each story with the corresponding model as well.

User Stories

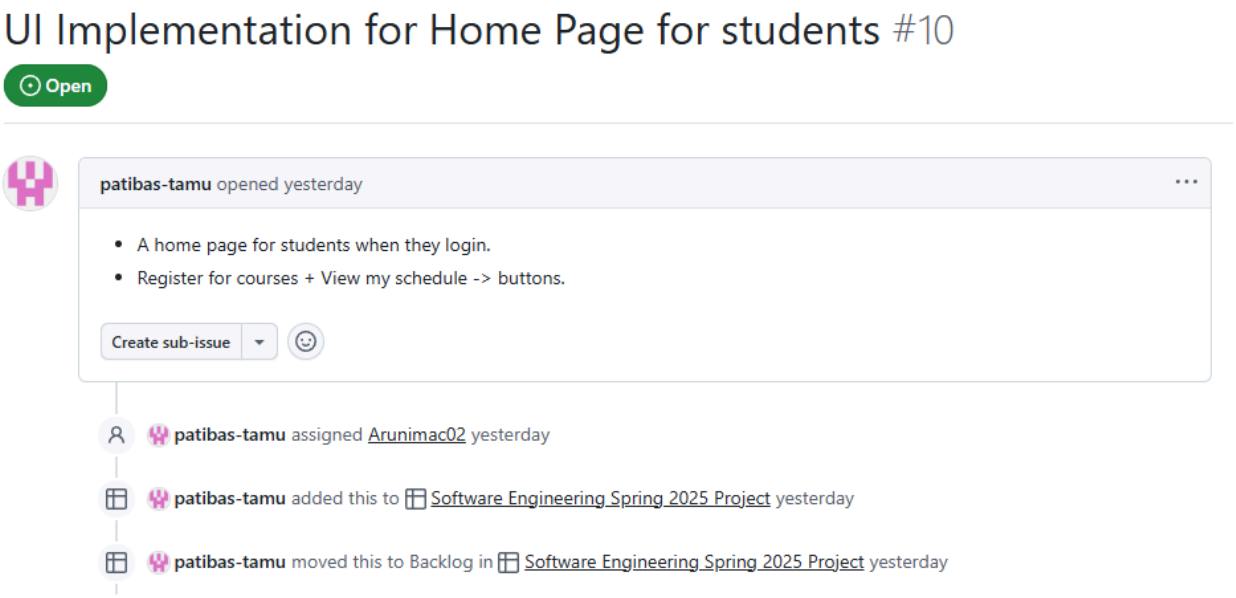
User story 1 (5 points)



User story 2 (3 points)



User story 3 (3 points)



User story 4 (3 points)