

Group 1 – Sprint 3 Planning Report

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Sprint 3 Goals

- To implement key frontend features that are missing.
- To develop and integrate CI/CD pipeline.
- To enhance automated unit & coverage testing.
- To enhance a fully functional integrated backend and frontend.
- To develop and test the Docker image in the local machine.

Planned User Stories and Tasks

1. Notifications & Penalty system

- Design a notification system to alert users about due dates.
- Integrate email notification system.
- Implement a functional penalty system for not returning a book on time. (Restricted for future reservations)

2. User Interface Enhancements

- Design and implement the UI for the book information edit page.
- Implement deleting book records as a librarian in the UI.
- Implement the functionality and UI to view and manage users' information from the librarian dashboard.
- Implement the functionality and UI to view and manage customer reservations from the librarian dashboard.
- Implement the functionality and enhance the UI to manage the return or extend the reservation date.
- Enhance the filtering system to display only available books.
- Enhance the available books section to display only available books.

3. System Improvements

- Develop and integrate CI/CD pipeline using GitHub Actions.
- Implement tests for all newly added functionalities and features.

Sprint Success Measurement

- **Task Completion:** Ensure all Jira board tasks are categorized correctly (To Do, In Progress, Done)
- **Sprint Backlog Status:** Monitor progress of planned user stories (Completed user stories, In-progress user stories, Postponed user stories)

- **Obstacle Identification:** Document any challenges faced and outline solutions or pending issues.
- **User Feedback Gathering:** Gather user feedback for seamless system usability.

The screenshot displays the Jira interface for the 'SEP1-LibraryBookingSystem' project. The top section shows a 'Backlog' with 5 work items, including user stories and features for librarian and customer reservations. Below this, the 'SCRUM Sprint 3' view is shown for the period of 16 Sep to 7 Oct, containing 12 work items. Each item is a detailed task, such as 'Create UI notifications design element' or 'Implement User management functionality', with associated status, priority, and assignee information.

Links:

Project Jira

<https://rikukaartoaho-1755679798806.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog>

Project Plan

<https://github.com/rikudi/SEP-R1/blob/main/documents/design/SEP1-ProjectPlanRyhm%C3%A41.pdf>

Project Vision

<https://github.com/rikudi/SEP-R1/blob/main/documents/design/SEP1-ProjectVisionRyhm%C3%A41.pdf>

Figma UI Prototyping <https://www.figma.com/design/pzKWLdwl0qDaUedtmmVdAp/Library-System-Design?nodeid=0-1&p=f&m=draw>

Project repository <https://github.com/rikudi/SEP-R1>