

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 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.

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-ProjectPlanRyh%C3%A4.pdf>

[Project Vision](#)

<https://github.com/rikudi/SEP-R1/blob/main/documents/design/SEP1-ProjectVisionRyh%C3%A4.pdf>

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

[Project repository](https://github.com/rikudi/SEP-R1) <https://github.com/rikudi/SEP-R1>