

Group 1 – Sprint 3 Review Report

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What has been done in this Sprint:

- Added a notification system to inform customers about due dates.
- Enable customers to delete their account.
- Enabled customers to update their email.
- Allowed customers to extend and return their books.
- Enabled librarians to edit books.
- Enabled librarians to delete books.
- Allowed librarians to handle book extensions and returns for customer.

Highlights:

- Integrated GitHub Actions for CI/CD.
- Automated unit and coverage testing.
- Implement a functional penalty system for overdue books (restricted future reservations).
- Developed and tested the Docker image.

User stories that were covered in Sprint 3:

1. User story: As a librarian, I'm able to view & manage customer reservations from the Librarian dashboard.
2. User story: As a customer, I can return a reserved book from customer dashboard.
3. User story: As a customer, I'm penalized for not returning a book on time (Restricted for future reservations).

Features that were covered in Sprint 3:

1. Feat: Create, update and delete book records (librarian).
2. Feat: Manage reservation status as customer (return book and extend reservation date).

User stories postponed for Sprint 4:

None

Features postponed for Sprint 4:

1. Feat: Integrate email notification system (Supabase).
2. Feat: Implement notification feature to update when the "Extend" button is clicked and refactored datafetching in the notification component.

Tasks postponed for Sprint 4:

1. Task: Implement unit tests for book extend/return functionality on the librarian side.
2. Task: Implement unit tests for the penalty system.

Sprint Success Measurement

- **Obstacle Identification:**
 - o Unexpected Supabase version update caused combability issues in our project.
 - o This created a bug that prevented us from implementing the newly created feature.
 - o The team worked on fixing it and finding a solution to resolve the issue.
- **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)

The screenshot displays the Jira interface for the project 'SEP1-LibraryBookingSystem'. The top navigation bar includes tabs for Summary, Timeline, Backlog, Board, Calendar, List, Forms, Goals, All work, Code, Archived work items, Pages, and Shortcuts. A search bar for the backlog is visible.

The main section shows 'SCRUM Sprint 3' running from 16 Sep to 7 Oct, containing 18 work items. The items are listed in a table with columns for task ID, description, status, and priority. Most tasks are marked as 'DONE' in green, while a few are 'TO DO' in yellow.

Task ID	Description	Status	Priority
SCRUM-30	Create UI notifications design element to alert users about due dates (customer) (navbar)	DONE	M
SCRUM-32	Create notification function that checking database due dates and send notification to customer page + Unit tests	DONE	M
SCRUM-34	Implement deleting account and update user email address(customer side) and UI (customer) + Unit tests	DONE	M
SCRUM-46	Implement deleting book records as a librarian in the UI (librarian) + Unit tests	DONE	M
SCRUM-48	Design and implement the UI for the book information edit page (librarian) + Unit tests	DONE	M
SCRUM-49	Enhance the Filtering system (Navbar, Hero) && Available book section to display only available books + new availableBooks function? + Unit tests	DONE	M
SCRUM-47	Integrate email notification system (supabase)	TO DO	M
SCRUM-44	Develop and test the Docker image in the local machine	DONE	M
SCRUM-31	Implement the functionality (return/extend) and UI (section/table or page) to view and manage customer reservations from the librarian dashboard (librarian)	DONE	L
SCRUM-45	Implement a functional penalty system for not returning a book on time (Restricted for future reservations) + UI	DONE	M
SCRUM-42	Implement the functionality (extend/return) and enhance the UI to manage the return or extend the reservation date (customer) + Unit tests	DONE	L
SCRUM-43	Implement CI/CD pipeline (GitHub Actions)	DONE	L
SCRUM-52	Fix ESLint errors and warnings	DONE	M
SCRUM-53	Create Navbar section tests (Jest)	DONE	L
SCRUM-54	Implement Overdue Book Management system for librarians	DONE	M
SCRUM-55	Implement notification feature to update when extend button is clicked and refactor the data fetch at a notification component	TO DO	M
SCRUM-56	Implement unit tests for the penalty system	TO DO	M
SCRUM-57	Implement unit tests for book extend/return functionality on the librarian side	TO DO	M

Below the sprint backlog, there is a section for the 'Backlog' (0 work items). It shows a message 'Your backlog is empty.' and a 'Create' button.

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/pzKWLdwl0qDaUedtmVdAp/Library-System-Design?nodeid=0-1&p=f&m=draw>

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