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 resevations).

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).
3. Feat: Implement notification feature to notify customer to due dates.

User stories postponed for Sprint 4:

None

Features postponed for Sprint 4:

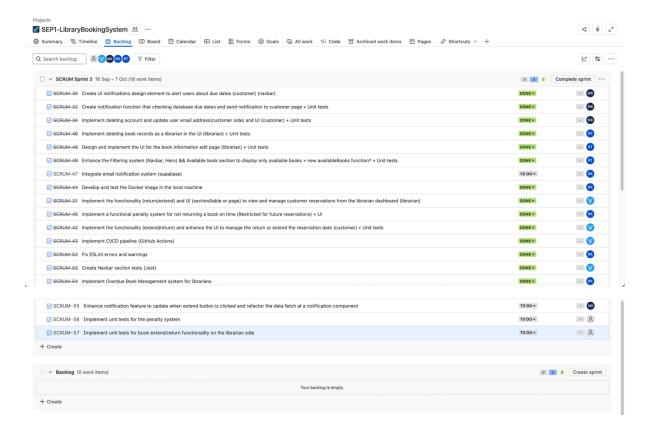1. Feat: Integrate email notification system (Supabase).

2. Feat: Enhance 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)

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