

Team 5 - Sprint 3 Planning Report

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Sprint 3 Goals

- Implement key missing frontend features.
 - Improve usability based on testing feedback.
 - Develop and integrate CI/CD pipelines.
 - Enhance system notifications and protected routes.
 - Conduct debugging and testing to ensure stability.
 - Ensure seamless user experience with well-structured UI components.
 - Improve system efficiency by optimizing search functions.
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Planned User Stories and Tasks

1. Notifications & User Engagement

- Design a notification system to alert users about due dates and upcoming book availability.
- Integrate email notifications to ensure timely updates for users.
- Improve notification handling to ensure users receive relevant updates.

2. User Interface Enhancements

- Refine interface elements based on usability testing feedback.
- Design and implement the UI for the user information page, allowing users to view and update personal details.
- Develop the book search results page, ensuring support for large volumes of books and handling cases where no matches are found.
- Implement advanced search filters to display only available books.
- Create a user booking management page where users can return or extend book reservations.
- Develop an author profile page displaying author information and books written by them.
- Finalize and implement missing frontend components as per Figma design.
- Improve responsiveness and mobile compatibility for all UI components.

3. System Improvements

- Develop and integrate CI/CD pipelines using Jenkins.
- Implement protected routes to enhance security.
- Debug and test all newly added functionalities to ensure smooth operation.

- Optimize backend queries to improve application performance.
 - Improve database indexing to speed up search queries.
 - Strengthen password security and authentication mechanisms.
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Sprint Success Measurement

- **Task Completion:** Ensure all Trello board tasks are categorized correctly (To Do, In Progress, Done).
 - **Time Tracking:** Log time spent by each team member accurately.
 - **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 Integration:** Gather feedback post-implementation to refine system usability further.
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Links:

Trello Board:

<https://trello.com/invite/6788cc212a6f1987f1962a73/ATTId1715e59aeaeac17d0697b89f38cfe6112A119F2>

Project Plan:

<https://docs.google.com/document/d/1cBcAMCsVLn4YdTJM0GVeyacR28mT-nDtQAtnz6zaK-U/edit?tab=t.0#heading=h.i5rl37uape1q>

Product Vision:

https://docs.google.com/document/d/1Qx3SiP0i-4q8esQl8oSoVJ3i1KyWueDi_WeF6HdgCjw/edit?tab=t.0

Figma UI Blueprint/Prototype: <https://www.figma.com/design/X7R1B4GjCMiose5WzugAeH/Luku-Library?node-id=0-1&t=9U1t0CaPzW5wkWEX-1>

Project repository:

<https://github.com/S-Vilka/Luku>

Time tracking:

<https://docs.google.com/spreadsheets/d/1eZd5gefDUNXUTLmKXAKxe8vcABDskQgsFFfQB-iQHcw/edit?usp=sharing>