

## **Team 5 - Sprint 4 review report**

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### **What has been done in this Sprint:**

- 100% user stories complete (60 user stories total for the project)
- Enhanced UX (clicking logo takes back to homepage, browse & search books without logging in)
- Enhanced frontend visuals (book covers & author portraits, button hover effects, adjusted anchor panes in fxml files)
- Rearranged library controller for easier readability
- Docker image (both backend & frontend)
- Project presentation
- Project README documentation
- Error testing

Diagrams can be found in GitHub repository:

<https://github.com/S-Vilka/Luku/tree/main/doc/Diagrams>

### **Highlights:**

- 100% user stories complete
- 60 user stories total
- 350 hours spend for this project
- 100 test cases, 40 % coverage
- Docker image
- Enhanced frontend

### **What we've learned during this project:**

1. Gained hands-on experience working in an Agile environment and implementing Scrum methodologies in our project
2. Developed adaptability skills by overcoming challenges, such as working in a three-member team
3. Each team member had the opportunity to take on the Scrum Master role, enhancing leadership and facilitation skills
4. Improved collaboration and communication skills, fostering a productive team environment
5. Learned the basics of JUnit testing and how to use Jenkins for setting up CI/CD pipelines
6. Developed an understanding of containerization and Docker deployment for application distribution
7. Strengthened Java programming skills through hands-on coding

8. Strengthened frontend programming skills through hands-on working with JavaFX and SceneBuilder
9. Gained insights into using different types of diagrams (e.g., Class , Use Case, Component, etc.)

### **User stories that were covered in Sprint 4:**

**Total 7**

1. As a user, I want to click the Luku logo to navigate to the main page so that I can easily return to the homepage from any section of the application.
2. As a user, I want to browse available books without logging in so that I can explore the collection before deciding to sign up or log in.
3. As a user, I want to see cover pictures for books and authors so that the catalog looks more visually appealing and informative.
4. As a user, I want the system to function smoothly and without errors so that I can complete my tasks without interruptions.
5. As a user, I want to have access to documentation so that I can understand how to use the system effectively.
6. As a developer, I want to deploy the system using a Docker Cloud image so that it can be easily maintained, scaled, and deployed across different environments.
7. As a user/stakeholder I want to familiarise myself with the project by watching the presentation of the application/project

### **Links:**

Trello Board:

<https://trello.com/invite/b/6788ea103ea28c75cef5c85e/ATTlddcf1421d4a63da4c3a7c6cdc146bf64D89467D5/sprint-3>

Project Plan:

<https://docs.google.com/document/d/1cBcAMCsVLn4YdTJM0GVeyacR28mT-nDtQAtnz6zaK-U/edit?tab=t.0#heading=h.i5rl37uape1g>

Product Vision:

[https://docs.google.com/document/d/1Qx3SjP0i-4q8esQl8oSoVJ3i1KyWueDi\\_WeF6HdgCjw/edit?tab=t.0](https://docs.google.com/document/d/1Qx3SjP0i-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>

Presentation link:

[https://www.canva.com/design/DAGhWRnvlmQ/TTQgLQ7BDjql62ErNNNODQ/edit?utm\\_content=DAGhWRnvlmQ&utm\\_campaign=designshare&utm\\_medium=link2&utm\\_source=sharebutton](https://www.canva.com/design/DAGhWRnvlmQ/TTQgLQ7BDjql62ErNNNODQ/edit?utm_content=DAGhWRnvlmQ&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)