

Group 1 – Sprint 7 Review Report

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What has been done in this Sprint:

- **Performance Testing:** Evaluated system responsiveness under varying load conditions and documented results in a report.
- **Heuristic Evaluation:** Conducted usability review of the final project, summarized findings, and provided recommendations for improvement.
- **Acceptance Testing:** Executed acceptance tests prepared in the previous sprint and created a report of outcomes.
- **Architecture Design Documentation:** Developed UML models (sequence and deployment diagram) and prepared supporting documentation to ensure clarity and maintainability.

Highlights:

- Using Google Lighthouse for performance testing, we improved performance from 69 to 97 and accessibility from 90 to 96.
- All tests in the User Acceptance Testing (UAT) were successfully passed.

Features that were covered in Sprint 7:

None

User stories postponed for Sprint 8:

None

Features postponed for Sprint 8:

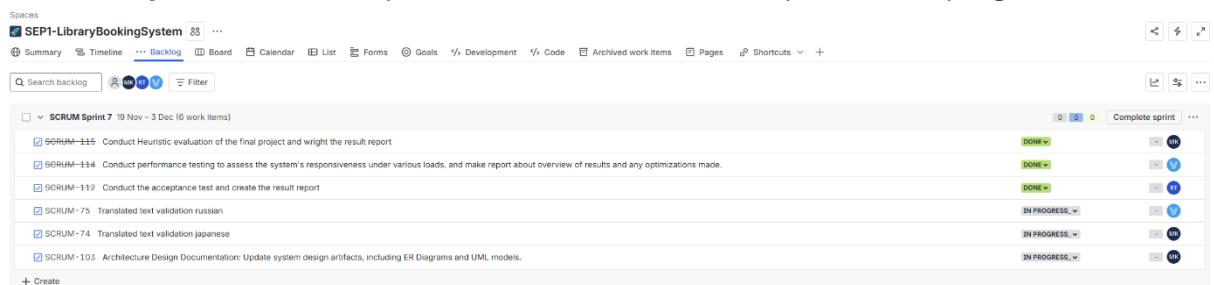
None

Tasks postponed for Sprint 8:

1. Task: Architecture Design Documentation: Update system design artifacts, including ER Diagrams and UML models.
2. Task: Translated text validation Russian.
3. Task: Translated text validation Japanese.

Sprint Success Measurement:

- **Performance score improvement:** Google Lighthouse performance increased from 69 → 97
- **Accessibility score improvement:** Google Lighthouse accessibility increased from 90 → 96
<https://github.com/vickneee/SEP-R1/blob/main/documents/System%20Performance%20Report.pdf>
- **UAT results:** All User Acceptance Testing (UAT) scenarios successfully passed
<https://github.com/vickneee/SEP-R1/blob/main/documents/UAT%20Report.pdf>
- **Heuristic Evaluation:** Usability issues identified and recommendations documented
<https://github.com/vickneee/SEP-R1/blob/main/documents/Heuristic%20Evaluation%20Report.pdf>
- **Architecture Documentation:** UML diagrams and supporting materials completed for clarity and maintainability
<https://github.com/vickneee/SEP-R1/tree/main/documents/diagrams>
- **Task Completion:** 100% of planned Jira tasks either completed or in progress.



- **Time Tracking:**

Team Member Name	Assigned Tasks	Time Spent (hrs)
Monami	Create State machine diagram	2
Monami	Create deployment diagram	3
Monami	Conduct Heuristic evaluation for our project and write a report	4
Monami	Create package diagram	1
Victoria	Conduct Performance evaluation for our project and write a report	4
Riku	Conducting user acceptance test	0.5h
Riku	Writing test report	1h
Riku	Conduct heuristic evaluation	1h

Links:

Project Jira

<https://rikukaartoaho1755679798806.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog>

Project Plan

<https://github.com/vickneee/SEP-R1/blob/main/documents/SEP1- ProjectPlan- Ryhmä1.pdf>

Project Vision

<https://github.com/vickneee/SEP-R1/blob/main/documents/SEP1-ProjectVision- Ryhmä1.pdf>

Figma UI Prototyping

<https://www.figma.com/design/pzKWLdwI0qDaUedtmmVdAp/LibrarySystemDesign?nodeid=0-1&p=f&m=draw>

Project repository

<https://github.com/vickneee/SEP-R1 Project>

SonarCloud

https://sonarcloud.io/summary/overall?id=vickneee_SEP-R1&branch=main