

# 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.

Item	Task	Status
SCRUM-115	Conduct Heuristic evaluation of the final project and write the result report	DONE
SCRUM-114	Conduct performance testing to assess the system's responsiveness under various loads, and make report about overview of results and any optimizations made.	DONE
SCRUM-112	Conduct the acceptance test and create the result report	DONE
SCRUM-75	Translated text validation russian	IN PROGRESS
SCRUM-74	Translated text validation japanese	IN PROGRESS
SCRUM-103	Architecture Design Documentation: Update system design artifacts, including ER Diagrams and UML models.	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/pzKWLdwl0qDaUedtmmVdAp/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](https://sonarcloud.io/summary/overall?id=vickneee_SEP-R1&branch=main)