

Group 1 – Sprint 6 Planning Report

(Victoria Vavulina, Riku Toivanen, Monami Kirjavainen)

Sprint 6 Goals

- Extend localization support to the database layer.
- Conduct a static code analysis to identify and fix code quality issues.
- Improve overall code quality and maintainability based on analysis results.
- Prepare for project acceptance by planning and defining acceptance tests.
- Update system design artifacts, including ER Diagrams and UML models.

Sprint Duration

- 2 weeks

Planned Tasks

1. Database Localization

- Design and implement a localization strategy for database content.
- Develop and document database localization plan and implementation details.
- Add documentation of chosen localization method to the project's GitHub README.

2. Statistical Code Review

- Conduct a static code analysis using tools such as ESLint, SonarQube / SonarCloud, and Jest coverage reports.
- Identify code violations, complexity issues, redundant logic, and potential bugs.
- Document all findings, metrics, and corrective actions.

3. Code Clean-Up and Refactoring

- Improve codespace for better readability and maintainability.
- Split large and complex functions into smaller reusable components.
- Remove redundant or duplicate code segments.
- Re-run unit tests to ensure stability after refactoring.
- Ensure 100% unit test pass successfully.

4. Acceptance Test Planning

- Define clear and measurable acceptance criteria for key system features.
- Design acceptance tests, including functional and usability testing.
- Prepare example test cases with expected outcomes.

5. Architecture Design Documentation

- Update all ER Diagrams and UML models, and related architectural documentation.
- Add updated design artifacts and diagrams to the GitHub repository.

Sprint Success Measurement

- **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)
- **Obstacle Identification:** Document any challenges faced and outline solutions or pending issues.

SCRUM Sprint 6 5 Nov – 19 Nov (16 work items)		0	0	0	Complete sprint	...
<input checked="" type="checkbox"/>	SCRUM-94 As a user I want to read dates on the page in my native format	IN PROGRESS	✓	0		
<input checked="" type="checkbox"/>	SCRUM-93 As a user I want to read the text on the page in my own language	IN PROGRESS	✓	0		
<input checked="" type="checkbox"/>	SCRUM-75 Translated text validation russian	IN PROGRESS	✓	0		
<input checked="" type="checkbox"/>	SCRUM-74 Translated text validation japanese	IN PROGRESS	✓	0		
<input checked="" type="checkbox"/>	SCRUM-99 Database localization: Extend localization support to the database layer.	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-101 Statistical Code Review: Conduct a static code analysis to identify and fix code quality issues. Implement SonarQube.	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-102 Acceptance Test Planning: Prepare for project acceptance by planning and defining acceptance tests.	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-103 Architecture Design Documentation: Update system design artifacts, including ER Diagrams and UML models.	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-104 Code Clean-Up and Refactoring: Home, Nav, Footer	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-105 Code Clean-Up and Refactoring: Sign In, Sign Up	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-106 Code Clean-Up and Refactoring: All related with Customer Dashboard	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-106 Code Clean-Up and Refactoring: All related with Customer Dashboard	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-107 Code Clean-Up and Refactoring: All related with Librarian Dashboard	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-108 Code Clean-Up and Refactoring: Private	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-109 Code Clean-Up and Refactoring: All related with Books	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-110 Code Clean-Up and Refactoring: All related with Penalties	TO DO	✓	0		
<input checked="" type="checkbox"/>	SCRUM-111 Code Clean-Up and Refactoring: All related with Extend and Return	TO DO	✓	0		

Links:

Project Jira

<https://rikukaartoaho-1755679798806.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog>

Project Plan

<https://github.com/vickneeee/SEP-R1/blob/main/documents/SEP1-ProjectPlanRyh%C3%A4.pdf>

Project Vision

<https://github.com/vickneeee/SEP-R1/blob/main/documents/SEP1-ProjectVisionRyh%C3%A4.pdf>

Figma UI Prototyping <https://www.figma.com/design/pzKWLdwI0qDaUedtmmVdAp/Library-System-Design?nodeid=0-1&p=f&m=draw>

Project repository

<https://github.com/vickneeee/SEP-R1>