

# Group 1 – Sprint 6 Review Report

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## What has been done in this Sprint:

- Extended localization support to the database layer.
- Added static code analysis tool (SonarCloud/SonarScanner) to detect code quality issues.
- Cleaned and improved overall code quality and maintainability based on analysis results.
- Prepared for project acceptance by planning and defining acceptance tests.
- Added system design artifacts to the documents/diagrams folder.

## Highlights:

- Localization was extended so the system now handles the user's preferred language from the database.
- Integrated pipeline for static analysis tool SonarCloud in GitHub Actions.
- Overall cleaner code.
- Defining acceptance tests.
- Created ER diagram, User Case diagram and Activity diagram.

## User stories that were covered in Sprint 6:

1. User story: As a user I want to read dates on the page in my native format.
2. User story: As a user I want to read the text on the page in my own language.

## Features that were covered in Sprint 6:

1. User's preferred language is now stored in the database.

## User stories postponed for Sprint 7:

None

## Features postponed for Sprint 7:

None

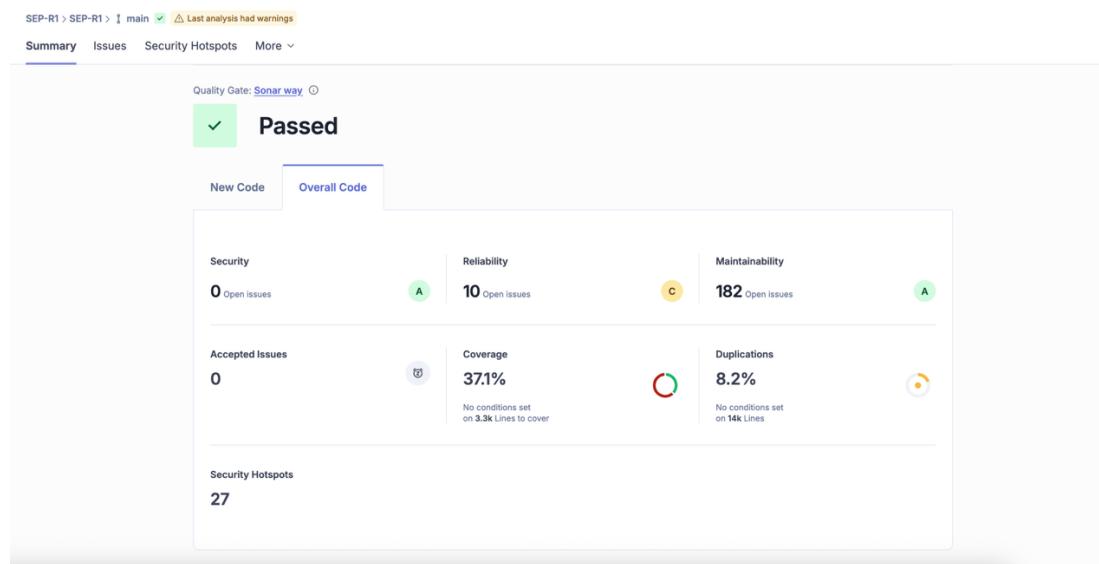
## Tasks postponed for Sprint 7:

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.

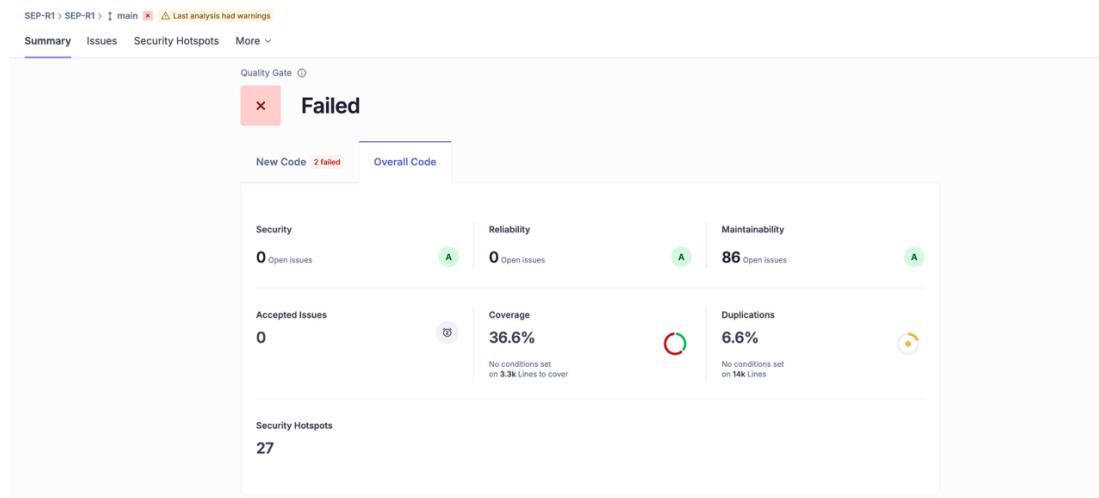
## Sprint Success Measurement

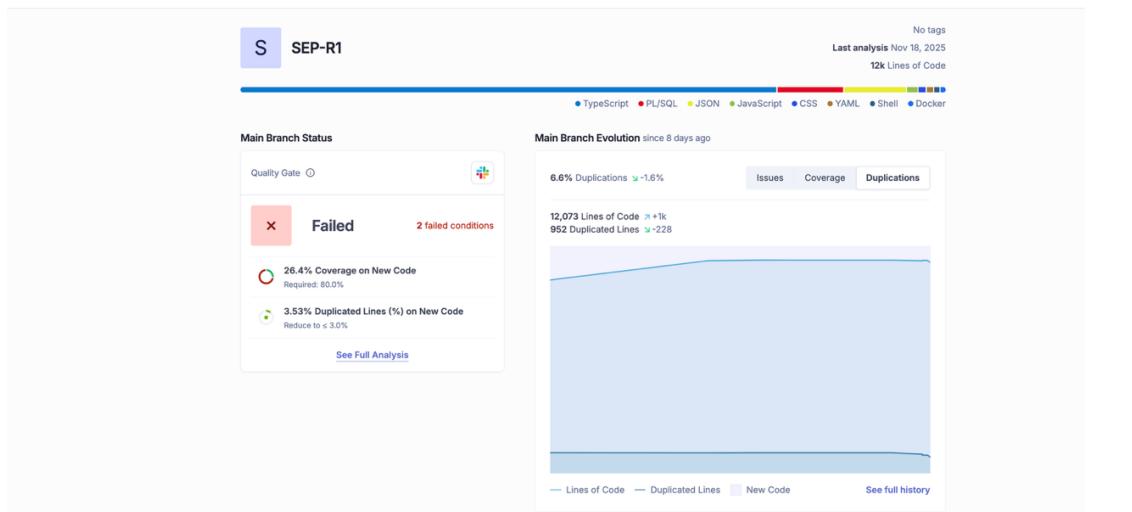
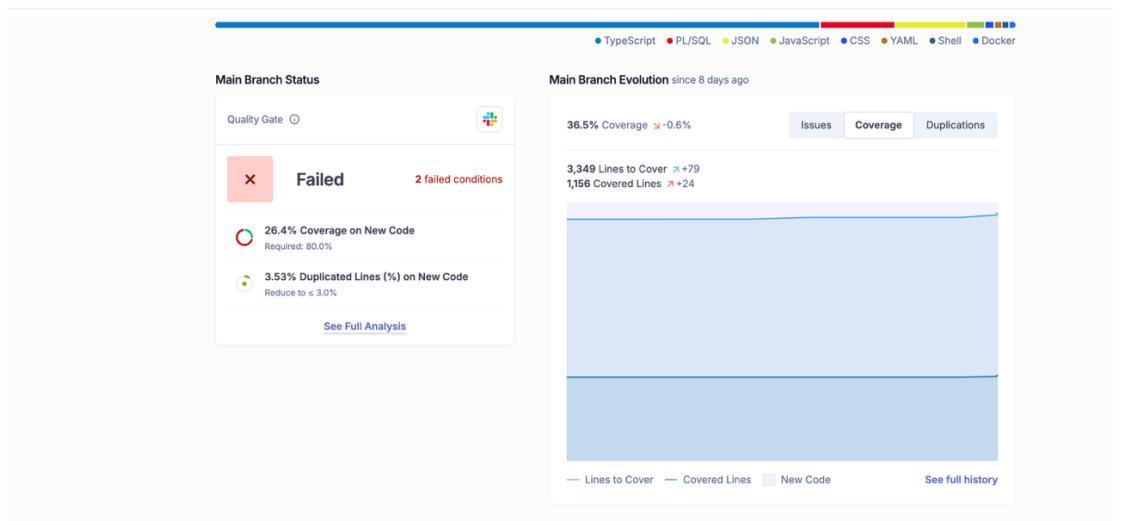
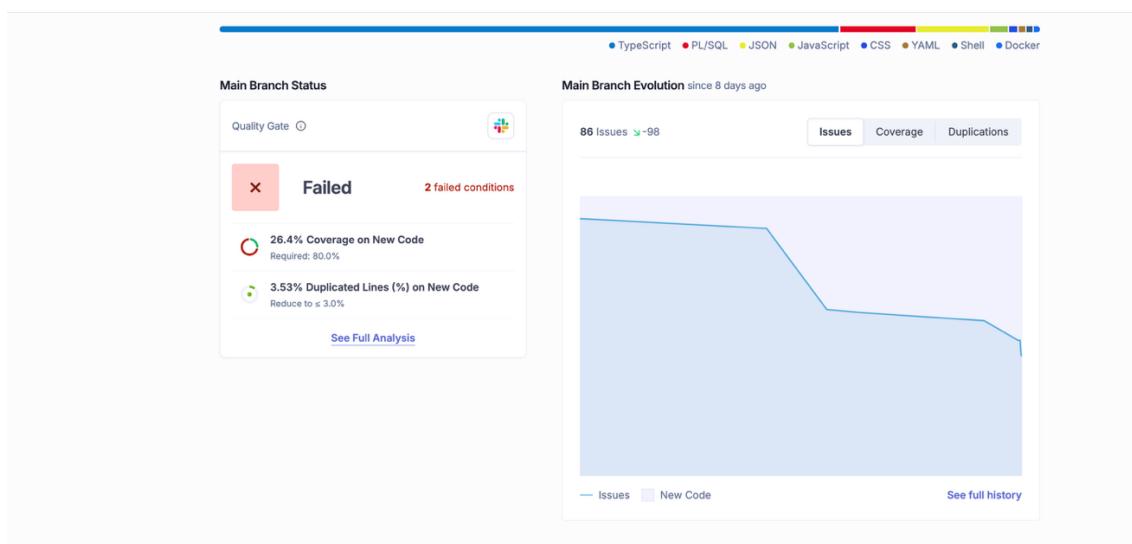
- **Obstacle Identification:**
  - o Sonar Scanner started, but SonarQube did not accept or finish the scan.
- **Code Cleaning:** During this sprint, we focused on improving code quality using **SonarCloud/SonarScanner** and **ESLint**. The team reviewed the issues shown in SonarCloud, ESLint and fixed several problems such as unused code, formatting issues, duplicated logic, and missing types.

### SonarCloud starting point:



### SonarCloud results after code cleaning:





## ESLint results (no errors, no warnings):

```
Terminal Local + ▾
Victoria =>> SEP-R1 (main) $ npm run lint

> library@0.1.0 lint
> eslint

Victoria =>> SEP-R1 (main) $
```

- **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)

The image shows a Jira board interface with two sections: SCRUM Sprint 6 and Backlog.

**SCRUM Sprint 6 (5 Nov – 19 Nov):** This section contains 16 work items, all of which are marked as "DONE". Each item has a "V" icon next to it, indicating they are verified.

Work Item	Status	Icon
SCRUM-101: Statistical Code Review: Conduct a static code analysis to identify and fix code quality issues. Implement SonarQube. Docum...	DONE	V
SCRUM-102: Acceptance Test Planning: Prepare for project acceptance by planning and defining acceptance tests.	DONE	V
SCRUM-99: Database localization: Extend localization support to the database layer. Documentation update.	DONE	V
SCRUM-104: Code Clean-Up and Refactoring: Home, Nav, Footer	DONE	V
SCRUM-110: Code Clean-Up and Refactoring: All related with Penalties	DONE	V
SCRUM-103: Architecture Design Documentation: Update system design artifacts, including ER Diagrams and UML models.	IN PROGRESS	MK
SCRUM-105: Code Clean-Up and Refactoring: Sign In, Sign Up	DONE	MK
SCRUM-106: Code Clean-Up and Refactoring: All related with Customer Dashboard	DONE	MK
SCRUM-108: Code Clean-Up and Refactoring: Private	DONE	MK
SCRUM-94: As a user I want to read dates on the page in my native format	DONE	U
SCRUM-93: As a user I want to read the text on the page in my own language	DONE	U
SCRUM-75: Translated text validation russian	IN PROGRESS	V
SCRUM-74: Translated text validation japanese	IN PROGRESS	MK
SCRUM-107: Code Clean-Up and Refactoring: All related with Librarian Dashboard	DONE	RT
SCRUM-109: Code Clean-Up and Refactoring: All related with Books	DONE	RT
SCRUM-111: Code Clean-Up and Refactoring: All related with Extend and Return	DONE	RT

**Backlog (0 work items):** This section shows a message: "Your backlog is empty."

Team Member Name	Assigned Tasks	Time Spent (hrs)
Victoria	Extend DB layer localization, testing functionality, fixing project versions incompatibilities	11
Victoria	Creating and testing pipeline in GitHub Actions for SonarCloud	3
Victoria	Code cleaning for Readability, made run_sonar.sh script, testing functionality, DB layer documentation	3,5
Victoria	Code cleaning for Readability, Home, Navbar, Footer, Penalties, Middleware, Carousel	2
Victoria	SonarQube/SonarCloud documentation	1
Victoria	Testing page functionality, Fix customer page default db language	0,5
Monami	Create database diagram and its documentation	1,5
Monami	Create use case diagram	2
Monami	Create activity diagram	3,5
Monami	Create Sequence diagram	3
Monami	Code cleaning for customer dashboard related files	2
Monami	Code cleaning for signin and signup related files	1,5
Monami	Code cleaning for private and notification files	0,5
Riku	Writing acceptance test plan	1,00
Riku	Code cleaning for book related code	2,50
Riku	Code cleaning for librarian dashboard	1,00
Riku	Code cleaning for extend and return	0,50

## Links:

[Project Jira](https://rikukaartoaho-1755679798806.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog) <https://rikukaartoaho-1755679798806.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog>

[Project Plan](https://github.com/vickneee/SEP-R1/blob/main/documents/SEP1-ProjectPlan-Ryhma1.pdf) <https://github.com/vickneee/SEP-R1/blob/main/documents/SEP1-ProjectPlan-Ryhma1.pdf>

[Project Vision](https://github.com/vickneee/SEP-R1/blob/main/documents/SEP1-ProjectVision-Ryhma1.pdf)

<https://github.com/vickneee/SEP-R1/blob/main/documents/SEP1-ProjectVision-Ryhma1.pdf>

[Figma UI Prototyping](https://www.figma.com/design/pzKWLdwI0qDaUedtmmVdAp/LibrarySystem-Design?nodeid=0-1&p=f&m=draw)

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

[Project repository](https://github.com/vickneee/SEP-R1) <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](https://sonarcloud.io/summary/overall?id=vickneee_SEP-R1&branch=main)