

GROUP 2

SPRINT 6

**Amir Saeid Taebnia, Farnaz Jamilpanah,
Miro Valtonen, Michael Blas Palpa**

TIETOKANTA LOKALISAATIO:

Projektimme source koodi refaktoroitu käyttämään tietokanta lokalisaatiota resource bundlen sijasta.

MariaDB [StudyPlanner]> select * from translations;	translation_id	translation_key	translation_value	language
	1	headerLogin	Login	en
	2	lblUsername	Username	en
	3	lblPassword	Password	en
	4	btnLogin	Login	en
	5	btnSignup	Sign up	en
	6	btnLanguage	Language list	en
	7	itemEnglish	English	en
	8	itemChinese	Chinese	en
	9	itemPersian	Persian	en
	10	error.loginMessage	Username and Password cannot be empty	en
	11	success.loginMessage	Login successful! Welcome	en
	12	invalid.message	Invalid username or password	en
	13	lblSignUp	Sign up	en
	14	lblUsername	Username:	en
	15	lblPassword	Password:	en
	16	lblConfirm	Confirm:	en
	17	btnCreateAccount	Create Account	en
	18	btnBackToLogin	Back to Login	en
	19	error.title	Error	en
	20	error.fillAll	Please fill all fields!	en
	21	error.usernameExists	Username already exists!	en
	22	success.title	Success	en
	23	success.accountCreated	Account created successfully!	en
	24	lblHeaderMyTasks	My Tasks	en
	25	btnEnterTask	Enter Task	en
	26	btnTaskLists	Task Lists	en
	27	btnAddTask	Add Task	en
	28	btnDeleteTask	Delete Task	en
	29	btnEditTask	Edit Task	en
	30	btnCalendarView	Calendar View	en
	31	btnDoneTasks	Done Tasks	en
	32	titleColumn	Title	en
	33	descColumn	Description	en

CHECKSTYLE:

CheckStyle Scan

Rules: Google Checks

Checkstyle found 88 item(s) in 1 file(s)

SignUpController.java : 88 item(s)

- ⚠ 'import' tulisi erottaa edellisestä rivistä. (2:1) [EmptyLineSeparator] <Google Checks>
- ⚠ Vääärä leksikografisessa jotta 'java.io.IOException' tuonnilla. Pitäisi olla ennen 'model.User'. (17:1) [CustomImportOrder] <Google Checks>
- ⚠ Vääärä leksikografisessa jotta 'javafx.scene.control.*' tuonnilla. Pitäisi olla ennen 'model.User'. (18:1) [CustomImportOrder] <Google Checks>
- ⚠ Älä käytä import-muotoa '.*' – javafx.scene.control.*. (18:28) [AvoidStarImport] <Google Checks>
- ⚠ Javadoc-kommentti puuttuu. (21:1) [MissingJavadocType] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (23:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (25:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (27:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (29:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (31:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (33:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (35:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (37:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (39:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (41:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (43:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (46:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (47:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (48:5) [Indentation] <Google Checks>
- ⚠ method def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (50:5) [Indentation] <Google Checks>
- ⚠ Javadoc-kommentti puuttuu. (50:5) [MissingJavadocMethod] <Google Checks>
- ⚠ 'method def' lapsi on vääärä sisennystason 8, odottaa taso olisi 4. (52:9) [Indentation] <Google Checks>

SEP01_Project > src > main > java > controller > SignUpController

CheckStyle Scan

Rules: Google Checks

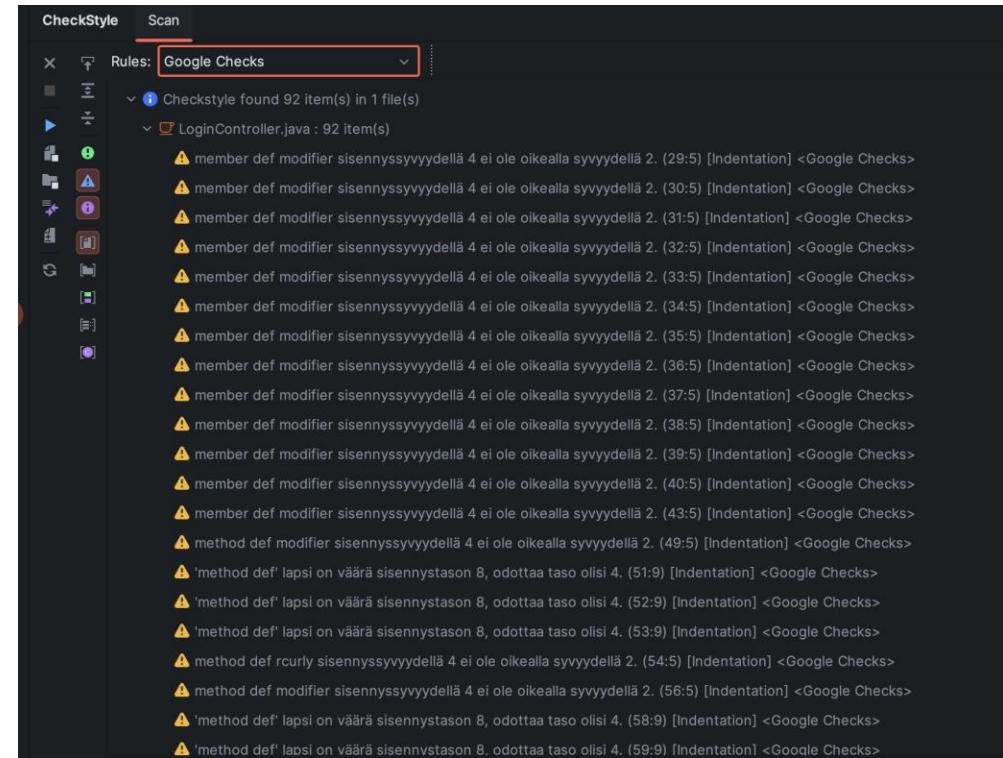
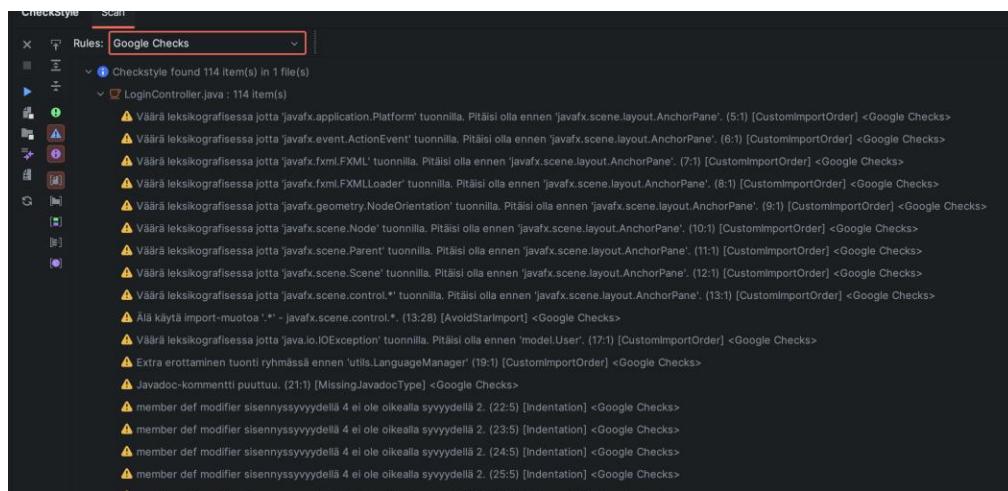
Checkstyle found 88 item(s) in 1 file(s)

SignUpController.java : 88 item(s)

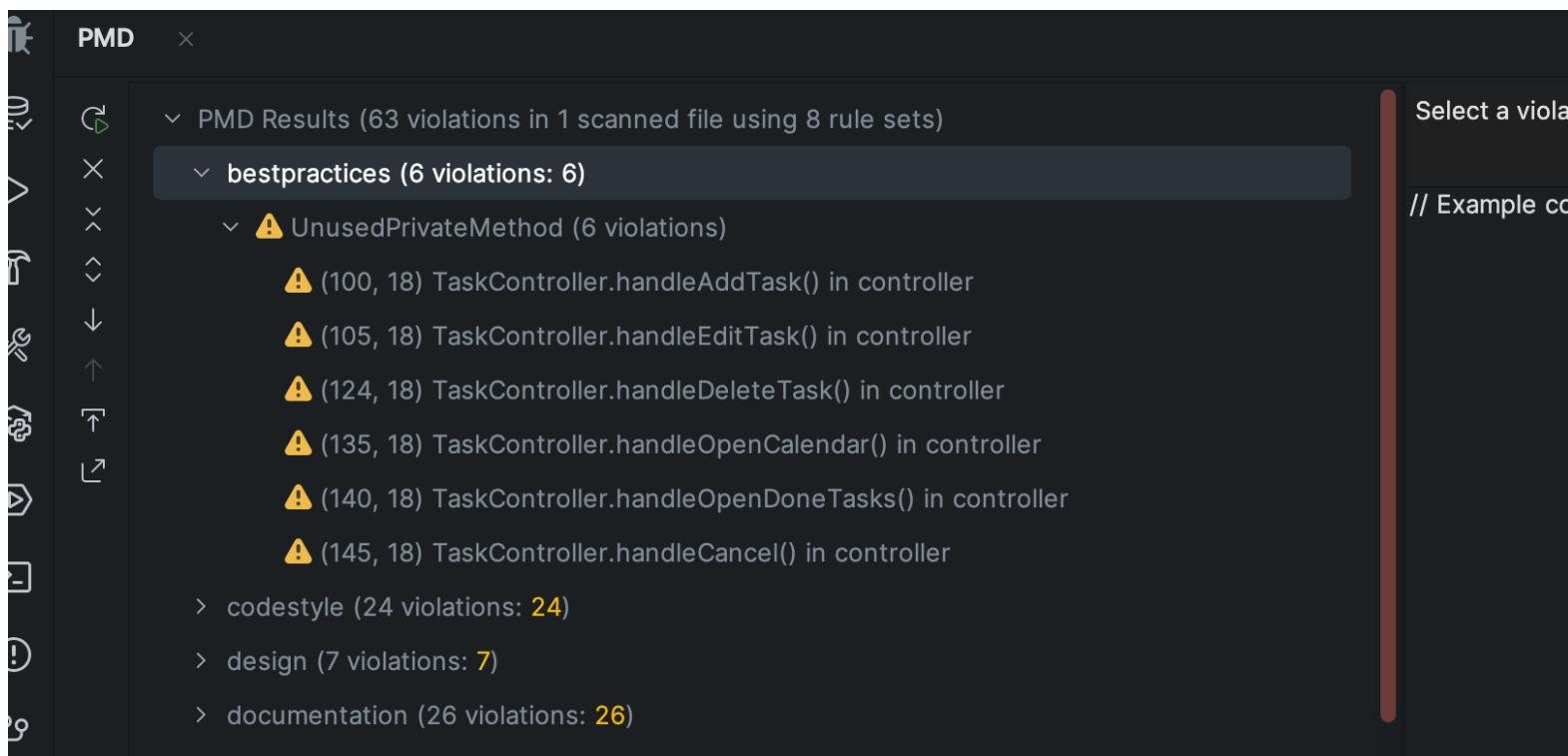
- ⚠ 'import' tulisi erottaa edellisestä rivistä. (2:1) [EmptyLineSeparator] <Google Checks>
- ⚠ Vääärä leksikografisessa jotta 'java.io.IOException' tuonnilla. Pitäisi olla ennen 'model.User'. (17:1) [CustomImportOrder] <Google Checks>
- ⚠ Vääärä leksikografisessa jotta 'javafx.scene.control.*' tuonnilla. Pitäisi olla ennen 'model.User'. (18:1) [CustomImportOrder] <Google Checks>
- ⚠ Älä käytä import-muotoa '.*' – javafx.scene.control.*. (18:28) [AvoidStarImport] <Google Checks>
- ⚠ Javadoc-kommentti puuttuu. (21:1) [MissingJavadocType] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (23:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (25:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (27:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (29:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (31:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (33:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (35:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (37:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (39:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (41:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (43:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (46:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (47:5) [Indentation] <Google Checks>
- ⚠ member def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (48:5) [Indentation] <Google Checks>
- ⚠ method def modifier sisennysyydyllä 4 ei ole oikealla syvyydellä 2. (50:5) [Indentation] <Google Checks>
- ⚠ Javadoc-kommentti puuttuu. (50:5) [MissingJavadocMethod] <Google Checks>
- ⚠ 'method def' lapsi on vääärä sisennystason 8, odottaa taso olisi 4. (52:9) [Indentation] <Google Checks>

SEP01_Project > src > main > java > controller > SignUpController

CHECKSTYLE:



PMD:



SONARQUBE:

New Code 1 failed Overall Code

New Code Since November 16, 2025 Started 2 days ago

1 condition failed

9.1% Coverage is less than 80.0%

New issues 0 Required = 0

Accepted issues 0 Valid issues that were not fixed

Coverage Failed 9.1% Required ≥ 80.0% On 108 New Lines to cover.

Duplications 0.0% Required ≤ 3.0% On 238 New Lines.

Security Hotspots 0 A

This screenshot shows the SonarQube dashboard for a project. At the top, it displays 'New Code' with 1 failure and 'Overall Code'. Below that, it shows the analysis started on November 16, 2025, with 2 days remaining. A warning is present about 1 condition failing and coverage being below 80.0%. The dashboard is divided into several sections: 'New issues' (0), 'Accepted issues' (0), 'Coverage' (9.1%, Failed), 'Duplications' (0.0%), and 'Security Hotspots' (0). Each section includes a status indicator (e.g., red for failed coverage) and a progress bar.

Failed

The last analysis has warnings. See details

New Code 3 failed Overall Code

Security 1 Open issues E Reliability 1 Open issues D Maintainability 29 Open issues A

Accepted issues 0 Coverage 13.8% Duplications 2.6%

Security Hotspots 10 E

On 828 lines to cover.

Activity

Graph type Issues

Issues New Code

November 18, 2025 at 8:59 PM Quality Gate: Failed 10 New analysis: -18 Issues -2.5% Coverage +1.6% Duplications

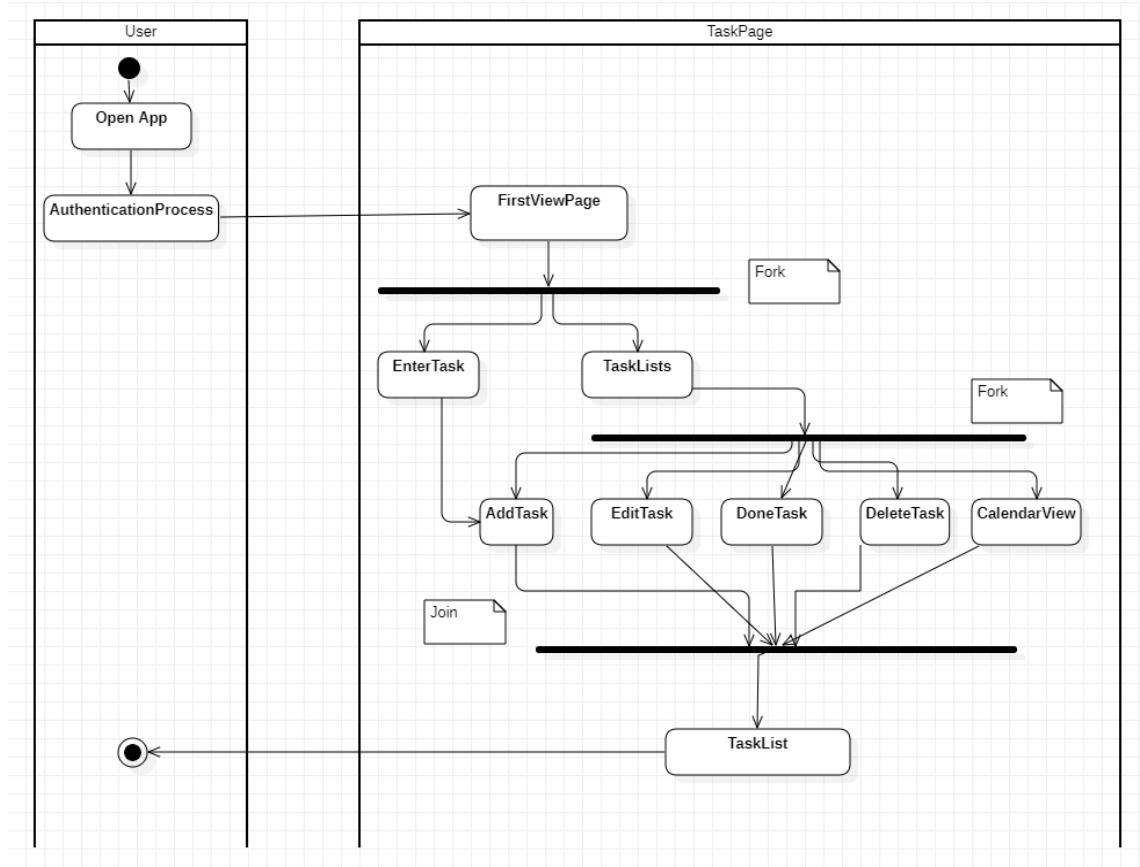
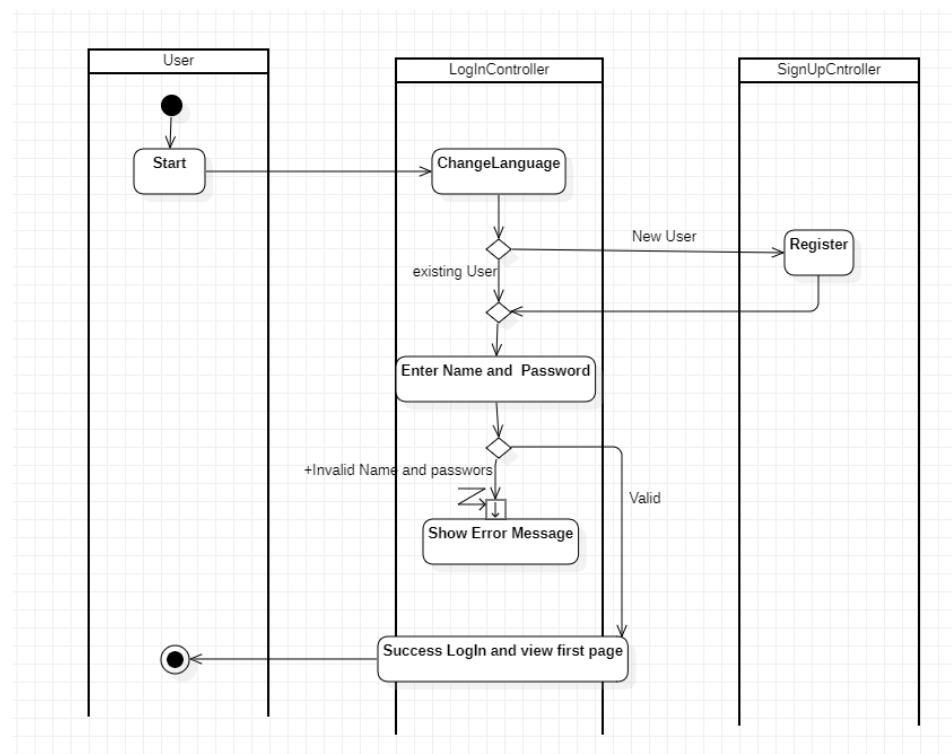
November 18, 2025 at 8:53 PM Quality Gate: Failed New analysis: -8 Issues +0.1% Duplications

November 16, 2025 at 8:11 PM Quality Gate: Failed New analysis: -8 Issues +0.1% Duplications

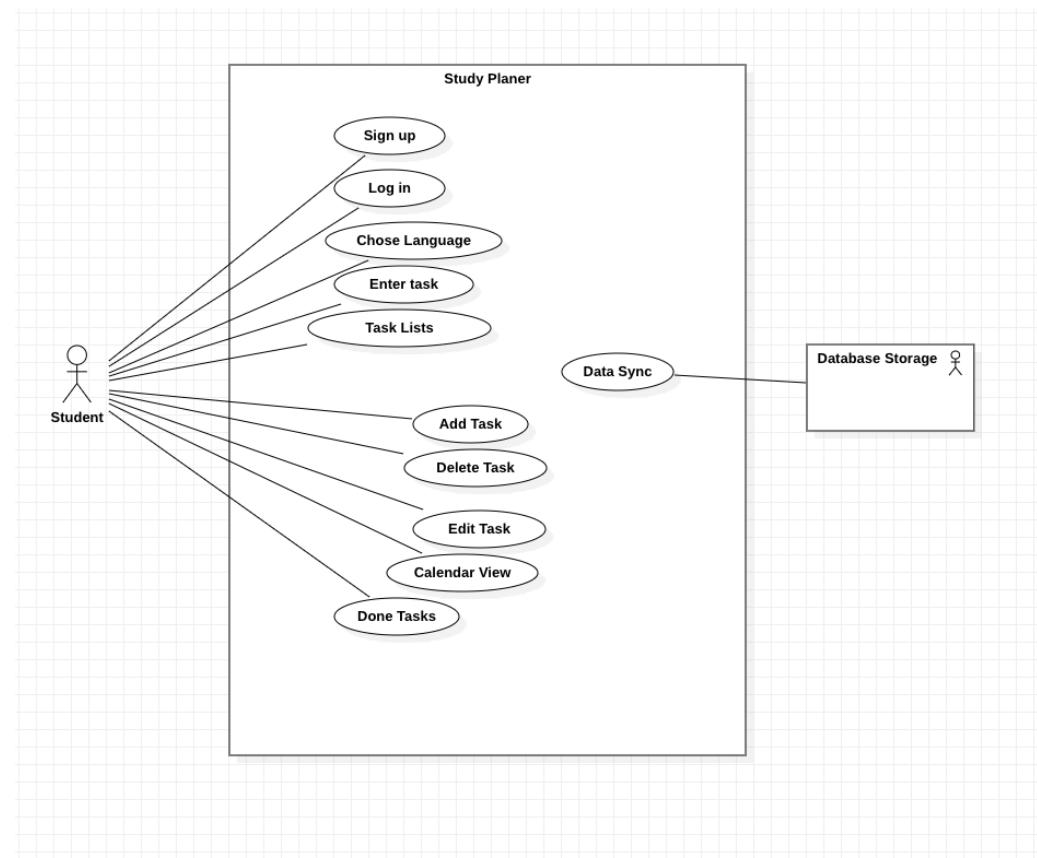
November 16, 2025 at 7:39 PM Quality Gate: Passed

This screenshot shows the activity timeline of the SonarQube analysis. It tracks the number of issues and the quality gate status (Failed or Passed) over time. The timeline includes four entries: one on November 18, 2025, at 8:59 PM, one at 8:53 PM, one at 8:11 PM, and one at 7:39 PM. Each entry provides a summary of the changes made during the analysis, such as the reduction in issue count or the improvement in coverage.

UML DIAGRAM:



UML USECASE DIAGRAM:



TRELLO SPRINT 6:

The image shows a Trello board titled "Sprint 6". The board has three main columns: "ToDo", "In Progress", and "Done".

- ToDo Column:**
 - 1. Database Localization
 - 2/1 Run Static Analysis Tools
 - 3/2 Enforce Code Standards
 - 4/2 Design Acceptance Tests
 - !! Submission Requirements: Submit your Sprint 6 Report and associated deliverables to your project's GitHub repository. The submission must include: 1. Code Review Report o Detailed documentation of statistical analysis findings, metrics, and corrective actions. 2. Refactored Codebase o Final, cleaned version of your project code in GitHub. o All unit tests passing successfully. 3. Acceptance Test Plan o Document listing acceptance criteria and test design. 4. Architecture Design Files o ER and UML diagrams added to the /docs directory. 5. Contributions
- In Progress Column:**
 - 3/3 Verify Functionality
 - 4. Acceptance Test Planning
 - + Add a card
 - 3/7 Refactor and Simplify
 - 1/6 Conduct a static code analysis using tools such as Checkstyle, PMD, FindBugs, or another approved tool.
 - 2. Statistical Code Review
 - 1/7 Identify code violations, complexity issues, redundant logic, and potential bugs.
 - 2/2 Analyze Code Metrics
 - 2/3 Document Findings
 - + Add a card
 - 4/1 Define Acceptance Criteria
 - 5. Architecture Design Documentation
- Done Column:**
 - 1/2 Prepare the database schema and data handling for multilingual(language) support.
 - 1/3 Ensure proper character encoding (UTF-8) and locale configuration.
 - 1/4 Validate data retrieval and display across supported languages. (Deliverables)
 - 1/5 Database localization plan and implementation report. (Deliverables)
 - 3. Code Clean-Up and Refactoring !!! Hyvin tärkeää!!!

Each card in the In Progress and Done columns includes status indicators (M, F, AT, MV) and a "Search" bar at the top of the board.

CONTRIBUTION

TEAM MEMBER NAME	ASSIGNED TASKS	TIME SPENT(HRS)
Miro	Cleaning code and refactoring, code analyze and code review, database localization, uml diagrams, readme file update	29 h
Michael	database localization, code refactoring	18+ h
Amir Saeid Taebnia	Database localization, cleaning code and refactoring, refactoring for sonarqube, er-maps, readme file update.	25 h
Earnaz Jamilpanah	Cleaning code(PMD-Check Style), UML	25 h