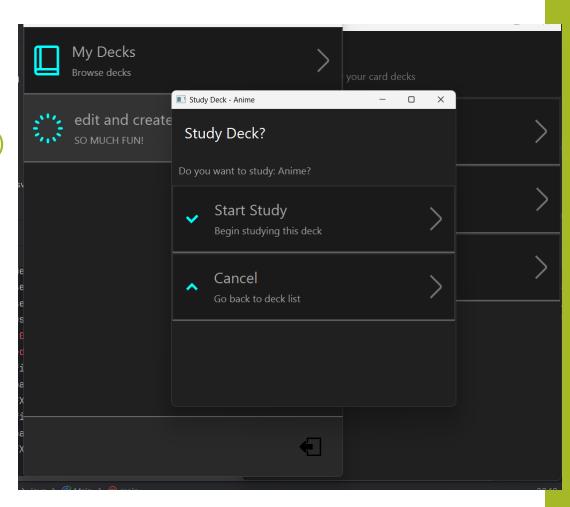
MEMORYCARD GAME

Group 2

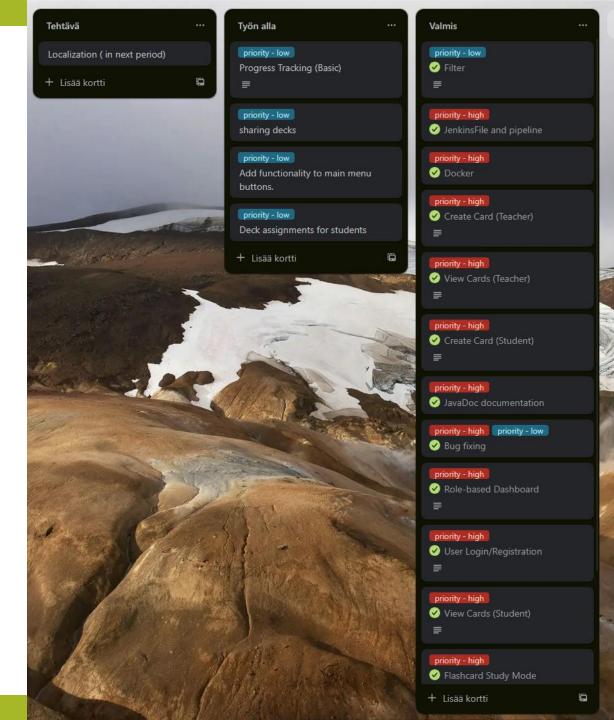
Axel Nokireki, Vladimir Karpenko, Georgii Afanasev, Patrik Skogberg

Introduction

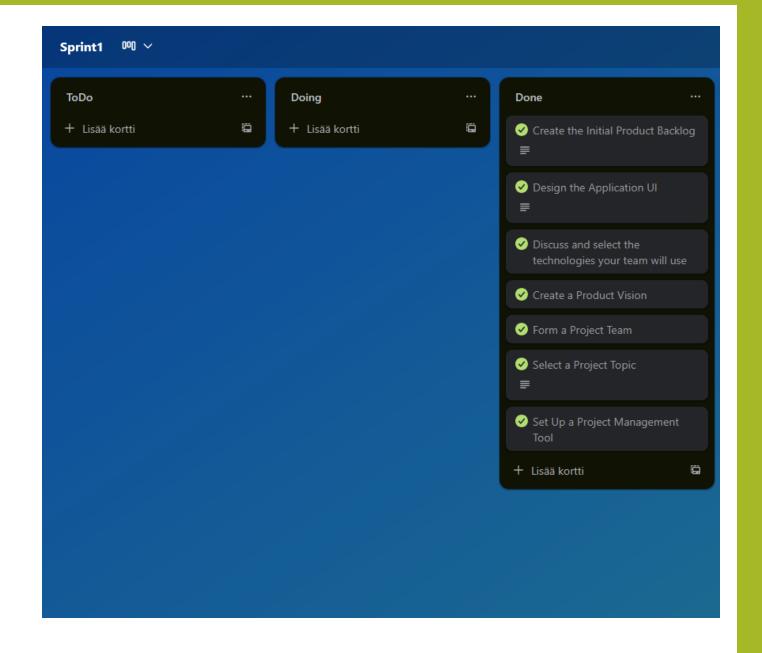
- Use of AI: only in code comments (Github copilot)
- GitHub link
- Trello link

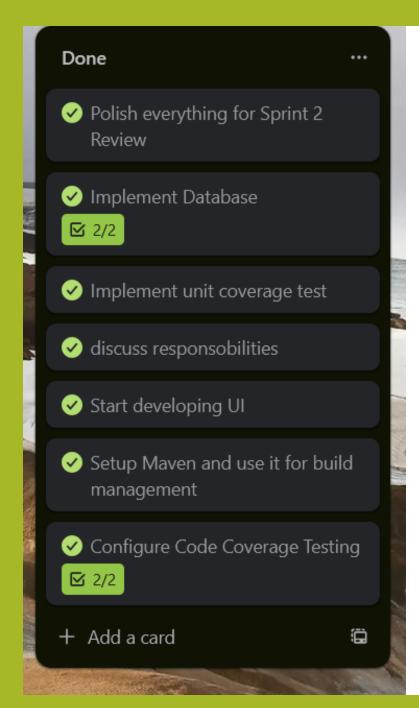


Product Backlog



- Sprint Master: Axel
- Sprint Backlog -->
- Done = All of it
- Postpone = Nothing
- Testing



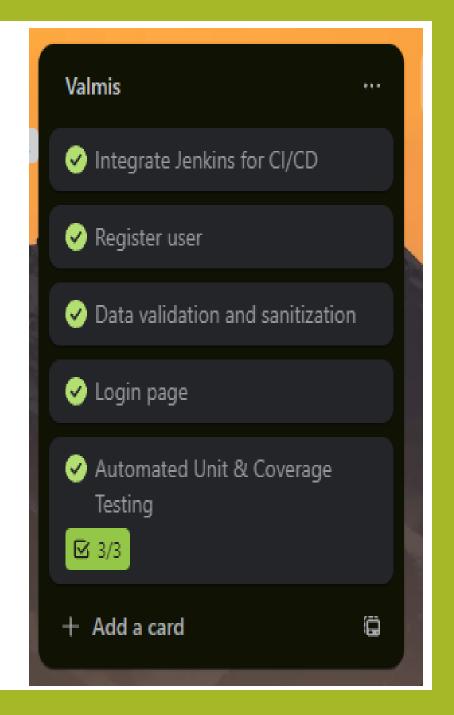


Sprint Master - Vladimir

The database was implemented, and both unit test coverage and code coverage configuration were successfully set up. The first version of the user interface was developed, and team responsibilities were discussed and defined. Additionally, the project was prepared for the Sprint 2 Review. Maven was also integrated into the project to improve build management and automation.

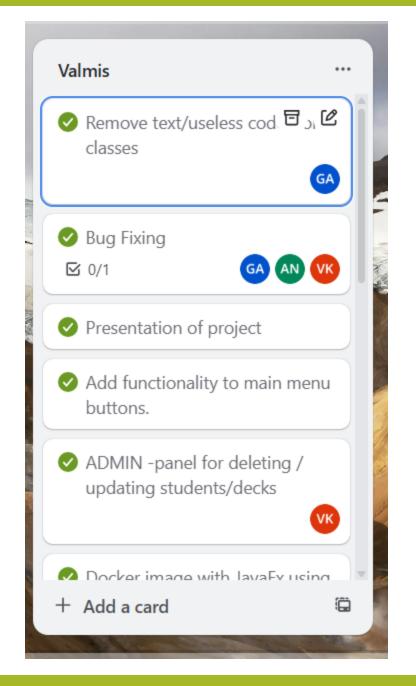
- Sprint Master Patrik
- Sprint Backlog
- Done Jenkins, User registration and login, bcrypt
- Postpone

• Testing – Junit



- Sprint Master Georgii
- Sprint Backlog
- Done the most part of our objectives
- Release current version of app
- Postpone search filters (low priority), statistics and progress

Testing – Junit , TestFx for Ui



Architectural Design

- Components in Java are used to create modular, reusable, and maintainable pieces of code that can be easily integrated into XML-based configurations. By defining components separately, we can simplify complex structures, improve code organization, and reduce duplication.
- MVC model is used

- components
 - CustomButton.java
 - J IconManager.java
 - J MenultemButton.java
- J ThinLine.java

Applied Technologies

- Backend: Java 17+, Maven
- Frontend/GUI: JavaFX
- Database: MariaDB
- Testing: JUnit 5
- DevOps: Jenkins, Docker, GitHub, Jacoco

DEMOTIME !!!

Learning achievements

- Learning Software Development Processes and methodology
- Using of new technologies Docker, Jenkins, Pipelines
- Gaining more experience in Java and its tools
- Teamwork
- Testing key features of our app
- Getting mvp version of app (Minimum Viable Product)

Plan for further development

- Adding features and functionality
- Fixing bugs
- Continious testing, checking and development
- Adding localization
- Adding supporting for different platforms
- Adding orcesterization with kubernetes