SHOUT!

Group 1 – Samuel Sarimo, Niko Mehiläinen, Auri Laitinen

Project Overview

- LLMs (Deepseek, SourceryAI, Github Copilot) were used for ideation and debugging.

- GitHub link: https://github.com/samuelms123/OTP-1
- Trello link: https://trello.com/w/1otp1

Product Vision

A **private**, **authentic** social space for close friends.

What we tried to solve: Current social media is too open, algorithmic, and impersonal, making interactions feel less meaningful.

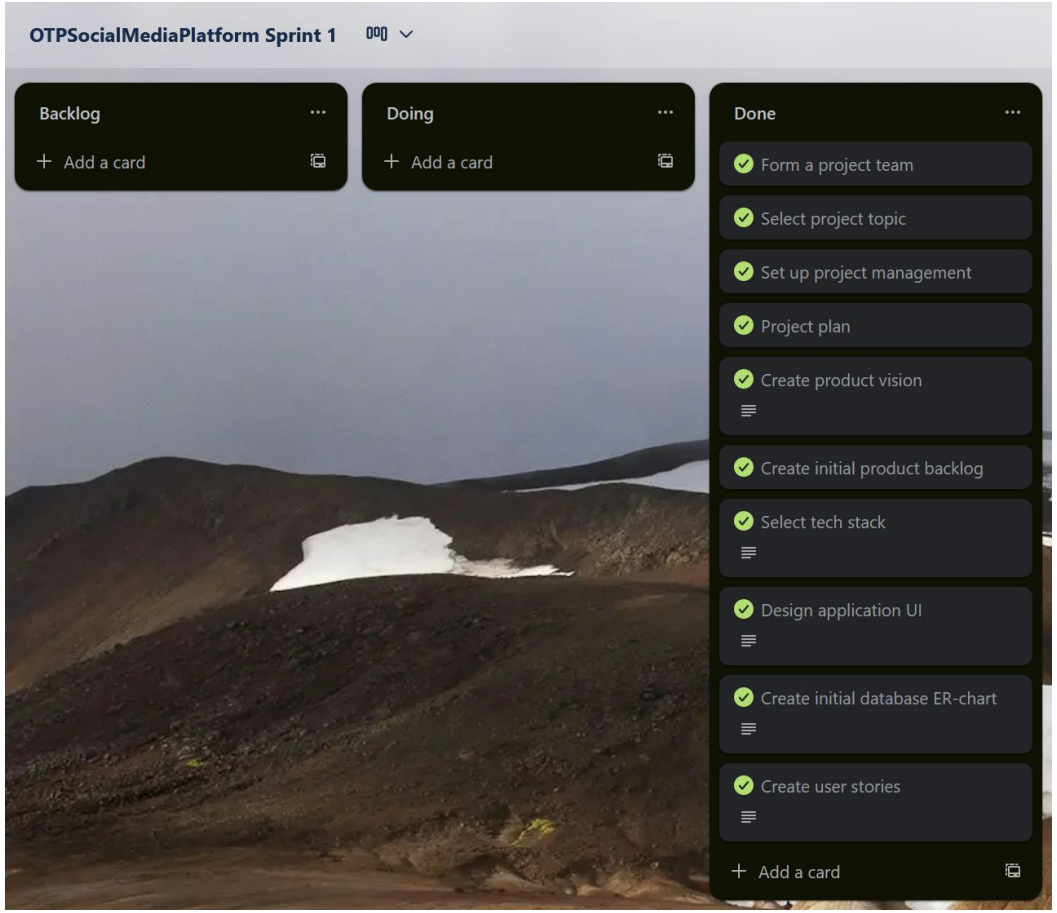
Our solution: A no-algorithm-real-time platform, **spontaneous** connection with only **your friends**.

Sprint 1

Scrum Master: Samuel

Planned project:

- Initial vision and written out project plan document
- Tech stack selection
- Trello setup
- Initial backlog for the product
- Application UI design in Figma
- Initial ER-chart for database
- User stories

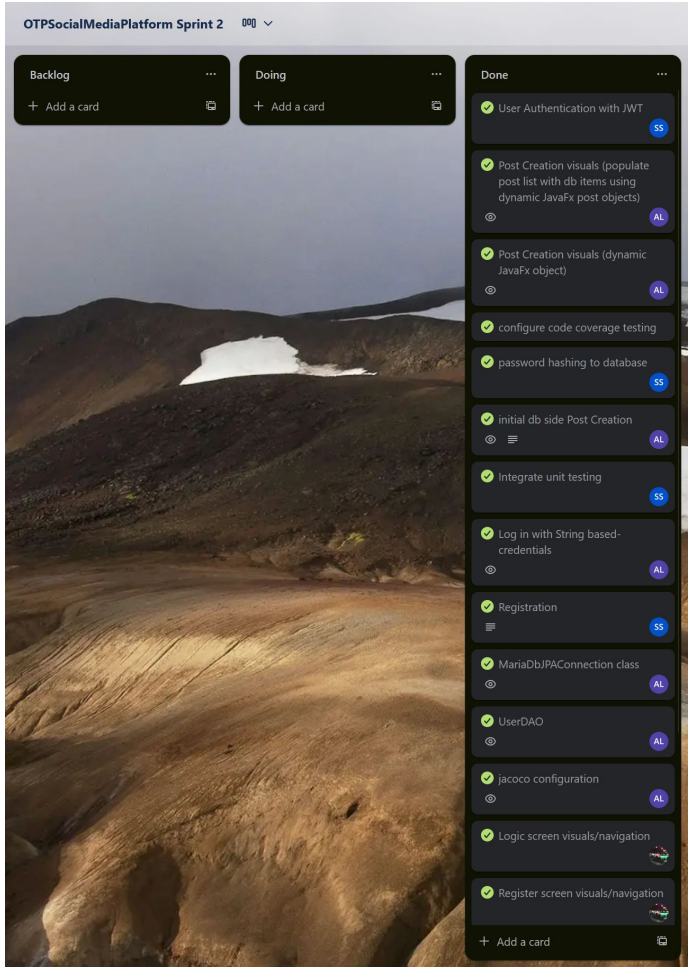


Sprint 2

- Scrum Master: Auri

Initial JavaFX framework was coded and pushed to GitHub. Implementation of core functionalities was started, DB script was written, JPA, DAOs and entities were set up for Users and Posts. Navigable UI was created using .fxml. Registration and authentication. Persisting Posts to DB was functional.

- Unit tests were written for User Service to make sure authentication was working as expected.
- Post visual improvements were postponed until sprint 3.

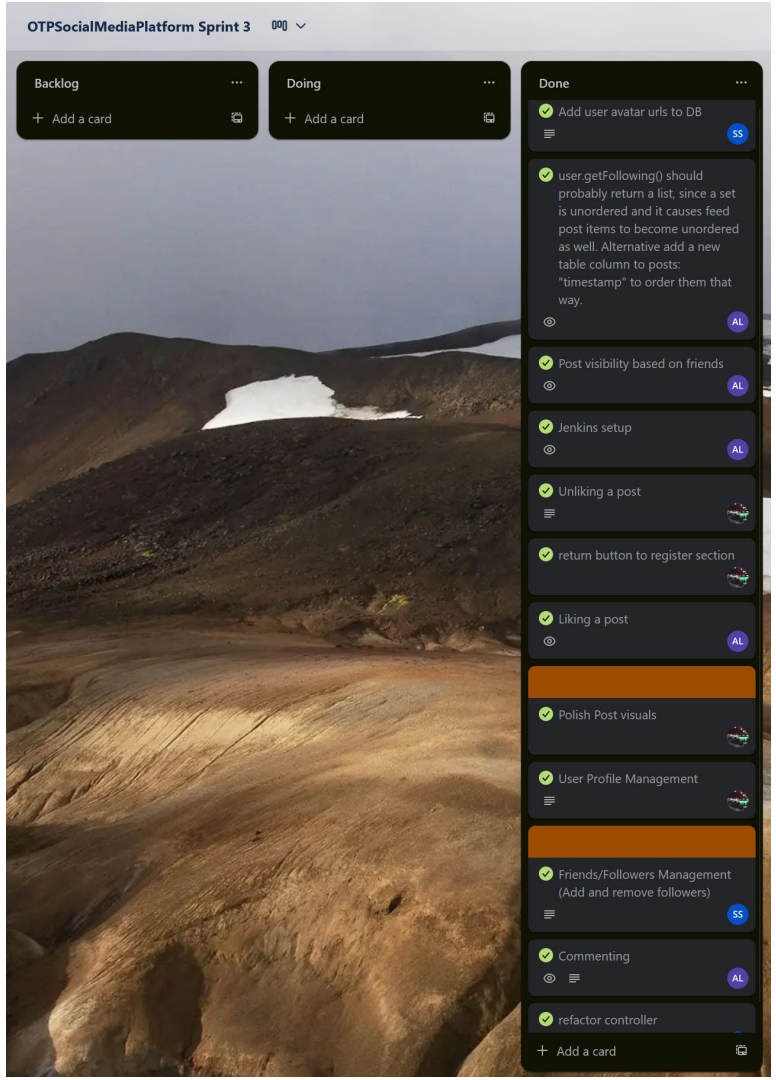


Sprint 3

- Scrum Master: Niko

Controller refactoring, Post visibility based on friends, Post timestamps, Commenting on Posts, Liking Posts, User profile updating, avatars, polish of post visuals.

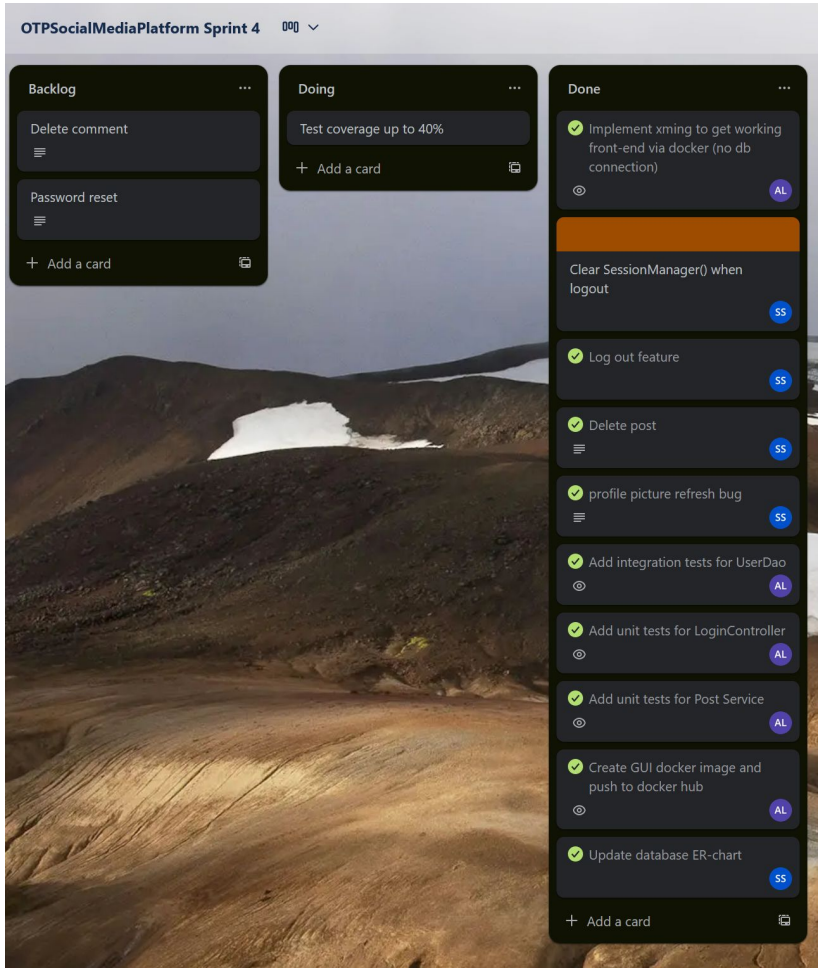
- Jenkins pipeline development.
- Testing Post Service to see if application only usable when authenticated.
- Still needed more tests.



Sprint 4

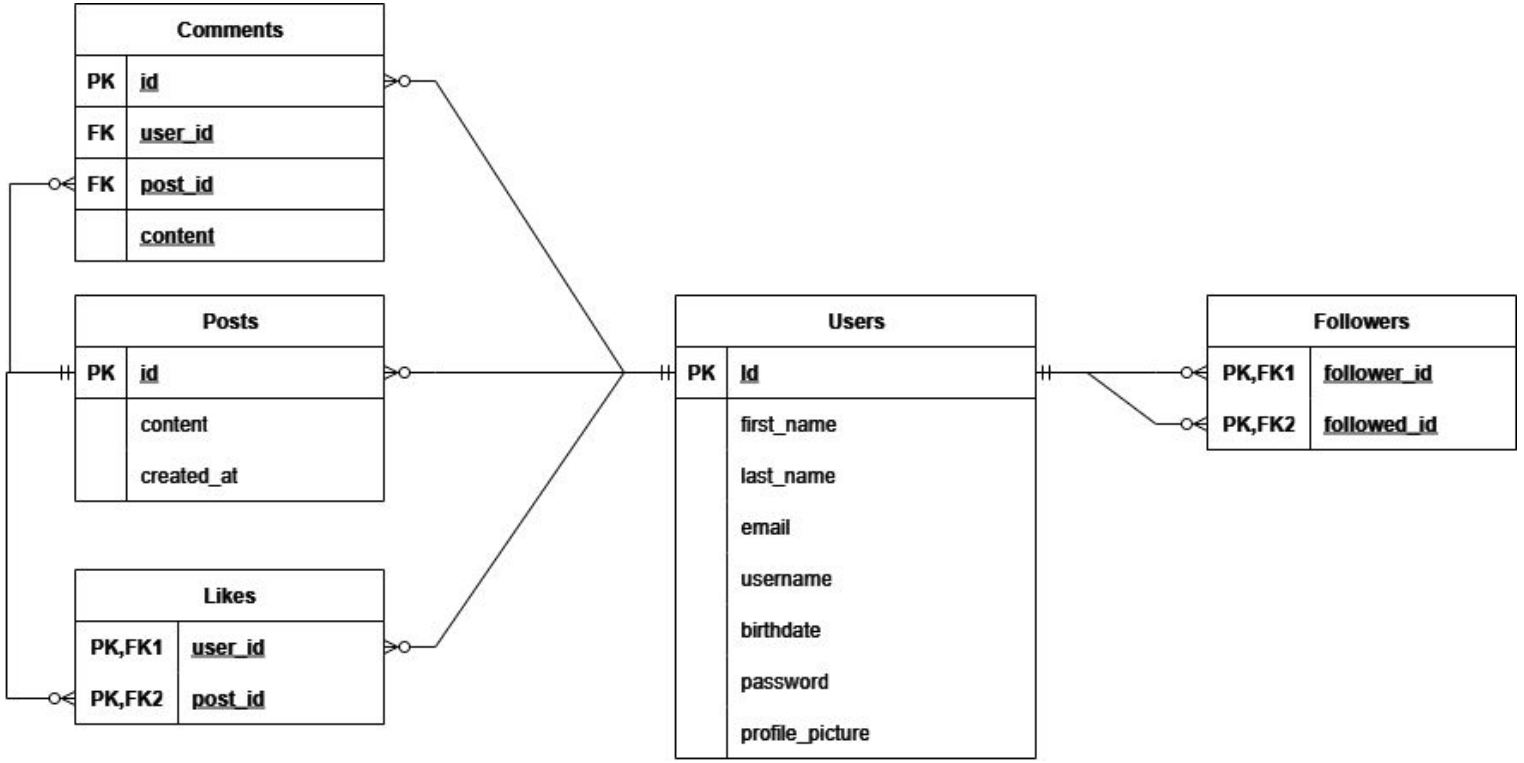
Scrum Master: Samuel

- Pipeline updates to build Docker image with support for Xming.
- Bug fixing.
- Last features that were left over from previous sprint, post deletion and session manager clearing on logout.
- Front end controller testing to make sure app is not accessible without authentication.
- Integration testing of UserDao.



Architectural Design

- ER of backend:



Applied Technologies

- Java and JavaFx (with SceneBuilder)
- Maven
- Junit with Mockito
- MariaDb JDBC
- JPA
- JWT and Bcrypt
- Jenkins with Jacoco Code Coverage
- Docker

Demo

Learning achievement

- Jenkins pipeline
- Maven usage
- JavaFx architecture
- Agile

Plan for further development

- Implement localization to reach a wider audience
- Enhance platform’s design
- More unit testing and lots of refactoring