



# PERSONALIZED STUDY PLANNER

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Group 2:

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# Links:



USE OF AI OR NOT



[HTTPS://GITHUB.COM/MIRO193/SEP01\\_PROJECT.GIT](https://github.com/MIRO193/SEP01_PROJECT.GIT)



[HTTPS://TRELLO.COM/B/8GWS4YCH/PRESONAL-STUDENT-PLANNERSPRINT-1](https://trello.com/B/8GWS4YCH/PERSONAL-STUDENT-PLANNERSPRINT-1)

# Product Backlog

- As a student I need the application to be secure.
- As a student I need there to be a calendar where I can check my schedule.
- As a student, I want to enter my subjects and exam dates so that the system can create a personal study plan for me.
- As a user, I want to receive daily reminders to stay on track with my study plan and up to date.
- As a student, I want the plan to include diagrams and colors to make it easier to Understand.
- As a student, I want to set weekly goals so I can measure my progress.
- As a student with anxiety, I want to receive motivational messages, so I feel supported in my process.
- As a student, I want the plan to include scheduled breaks to avoid mental burnout.
- As a student, I want the system to help me allocate my study time according to the difficulty of each subject

# Sprint 1

## Sprint Master:Farnaz

Personal student planner(Sprint 1) 000 ▾

### Sprint Backlog

- Setup Trello
- Write product Vision
- Project plan
- Figma(UI)
- Setup Git repository
- Setup Jenkins and Docker(In progress)
- Set team numbers task

+ Add a card

### Sprint1 Backlog

- Schedule deadline
- ✓ Discord meetings

+ Add a card

### To Do

Sprint1 Review

👁 ⌚ Sep 2 MV FJ M

+ Add a card

### Done

- ✓ Create User Stories MV FJ
- ✓ Decide on communication and collaboration
- ✓ Chose technologies
- ✓ Project vision FJ MV M AT
- ✓ Project plan AT M MV FJ
- ✓ Create GitHub project repo and readme.md
- ✓ Deign the database architecture
- ✓ Discord meeting Fr- 22.08.2025 FJ AT M MV
- ✓ Discord meeting su- 24.08.2025

### In progress

+ Add a card

### Postpond

+ Add a card

+ Add another



# Sprint 2

## Sprint Master: Miro

**Sprint 2** 000 ▾

**Sprint 2 Backlog** ...

- Represent the data model
- Test the CRUD operations work properly in our database
- Prioritize the layout and basic interactive elements of the user interface
- Execute tests regularly to track code coverage and identify areas that require additional testing
- Add/create Sample Data (Optional): Populate the database with sample data to facilitate testing and development.
- + Add a card

**To Do** ...

- + Add a card

**Is In Progress** ...

- Ensure all dependencies and plugins are correctly managed via pom.xml.  
🔔 3 👁 MV AT FJ M
- CRUD - Create  
🔔 3 👁 FJ
- CRUD - Read  
🔔 3 👁 FJ
- CRUD - Update  
🔔 3 👁 FJ
- CRUD - Delete  
🔔 3 👁 FJ
- Register/User/student Table  
M
- Write unit tests for key functions (both backend and frontend if applicable)  
🕒 Sep 7 MV
- Implement initial views or screens that align with product vision and

**Done** ...

- ✔ Sprint 2 plan  
👁 MV AT FJ M
- Sprint 2 review plan
- ✔ Login Class  
🔔 8 👁 🕒 Sep 8 FJ
- ✔ Sign Up class  
🕒 Sep 8 MV
- ✔ Database Technology: Utilize the selected database technology.  
🕒 Sep 11
- Design Database Schema  
🕒 Sep 11 M
- Database: Create and define tables, dependencies and relationships  
🕒 Sep 11 M
- Done Task controller  
AT
- TaskController

**Postpond** ...

- + Add a card

+ Add another list

# Sprint 3

## Sprint Master:Saeid

**Sprint 3 tasks to be done:**

- Add user login, data security, and an admin dashboard.
- Add key missing frontend features.
- Add key missing backend features.
- Add key missing database features.
- To continue our unit and integration tests.
- To generate code coverage reports using JaCoCo.
- To add Jenkins to our project for automation of tests and builds of our code every time we make a change to it.
- To add docker to our project for creating a portable and versatile version of our application (as a Docker image) that can run consistently on any computer.
- To insure that the Jenkins pipelines in our project generates and publishes the JaCoCo HTML reports.

**Sprint 3 tasks in progress:**

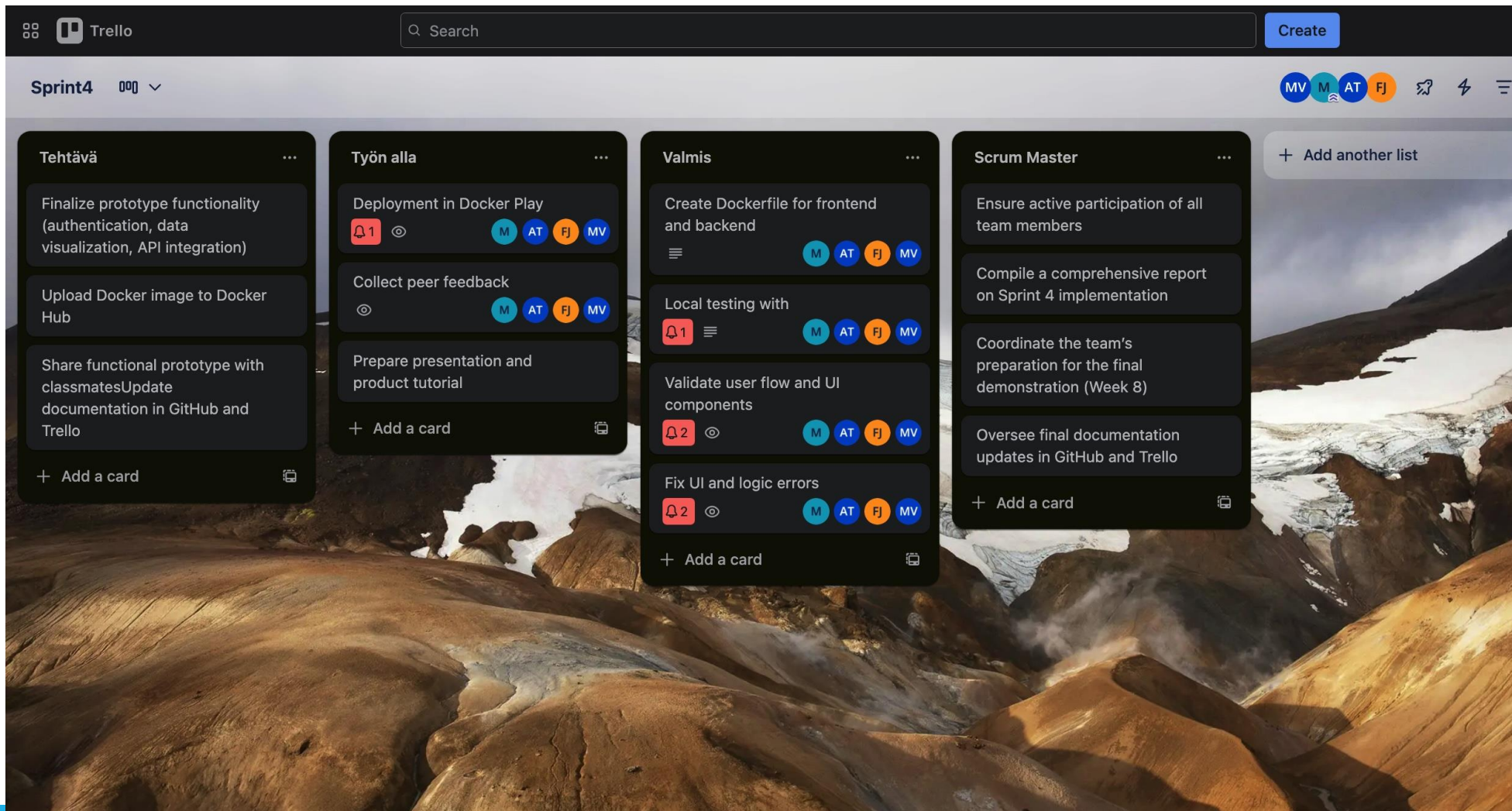
**Sprint 3 done tasks:**

- To continue our unit and integration tests. (MV)
- First view controller to first\_view.fxml (MV)
- Add user login, data security, and an admin dashboard. (AT, F, M, MV)
- Add key missing frontend features. (AT)
- Add key missing backend features. (F, AT, MV, M)
- Add key missing database features. (M)
- To generate code coverage reports using JaCoCo. (MV, AT, F, M)
- To add Jenkins to our project for automation of tests and builds of our code every time we make a change to it.



# Sprint 4

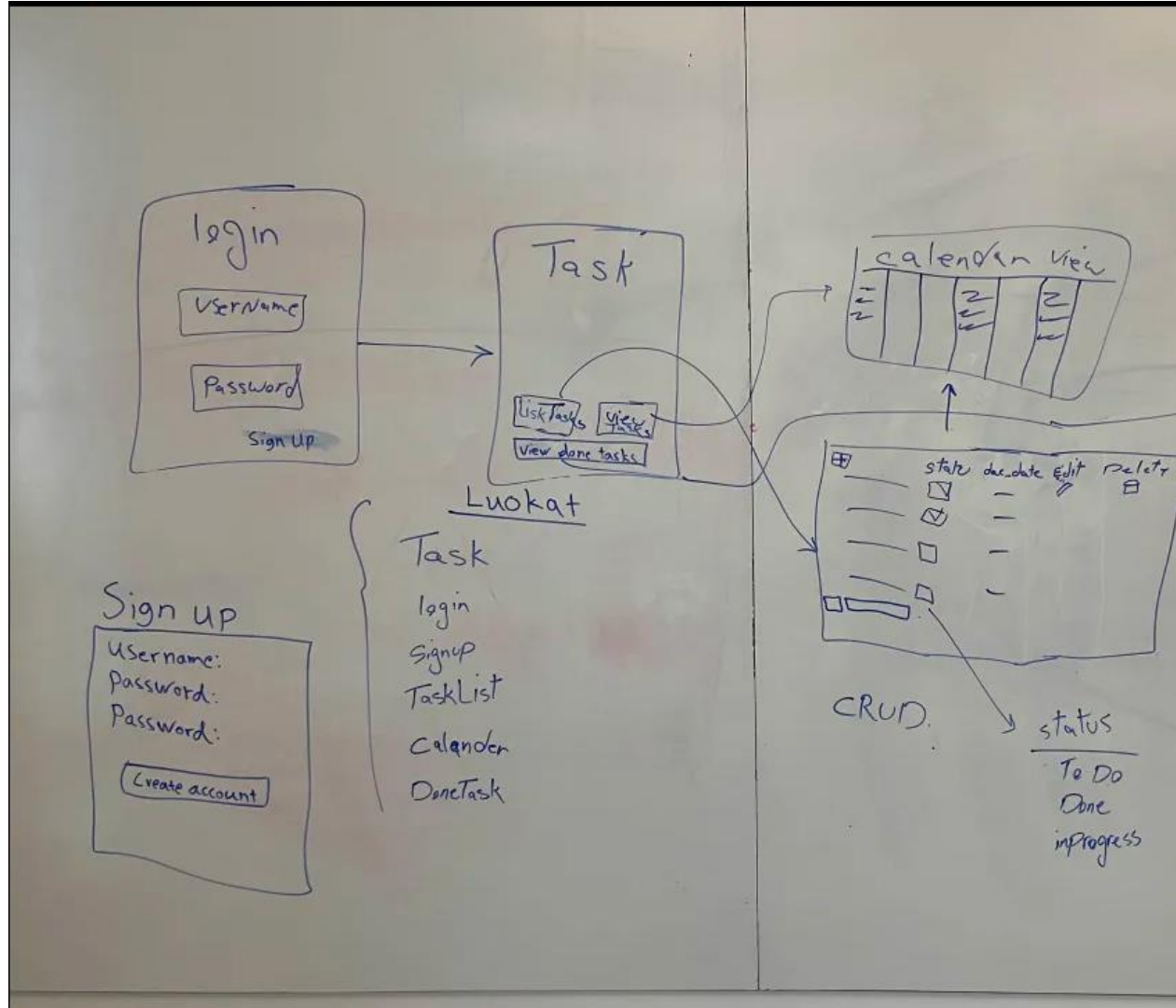
Sprint Master: Michael



# Applied Technologies







# DEMO

Task Manager

Sign Up

Username:

Password:

Confirm:

Create Account

Task Manager

Login

Username:

Password:

Login

Sign up

My Tasks

Enter Task

Task Lists



# Learning achievement

## 1. Technical skills

- Learned how to use **JavaFX** to design a GUI.
- Created a **project vision** and **UI with Figma**.
- Gained experience with **Maven, Jenkins, and Docker**.
- Learned to manage project structure with **MVC** (Model-View-Controller).

## 2. Agile/Scrum skills

- Understood how to write **user stories** and maintain a **product backlog**.
- Experienced working in **sprints** with clear goals.
- Practiced **role rotation** (Scrum Master changing each sprint).
- Learned how to use **Trello** for backlog and task management.

## 3. Collaboration skills

- Improved teamwork by dividing tasks between frontend, backend, and documentation.
- Practiced **version control with Git** in a shared repository.
- Learned to review and merge each other's code.

## 4. Presentation & Planning

- Practiced documenting progress (Project Plan, Product Vision).
- Learned how to present work in Scrum reviews.



# Plan for further development

- More functionality features: for example each users own school time table uploads after signing in.**
- More language options(localization)**
- Dark mode feature**
- Add motivational texts**

*Thank  
you!*