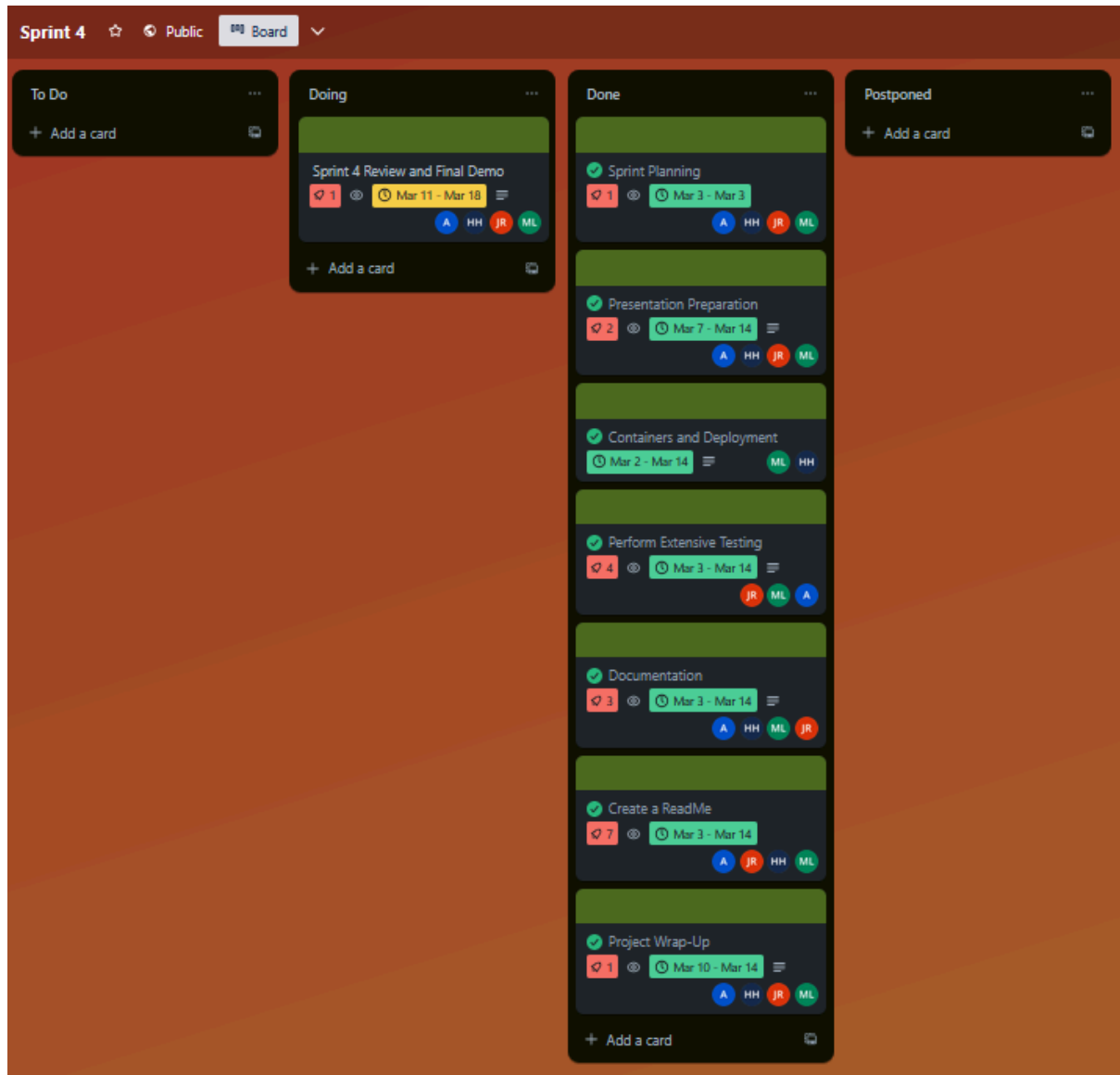# Sprint 4 Review

Sprint 4 backlog status:

Image 2. Sprint 4 Backlog.

The sprint 4 Trello board in **image 2.** contains 7 fully completed tasks. 0 tasks were postponed.

Time spent by each team member:

Ohjelmistotuotantoprojekti 1	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Total
Ade	10	17	23	15	65
Heta	14	17	23	20	74
Mika	14	17	27	15	73
Jonne	14	19	25	20	78
					290

Image 3. This worksheet tracks sprint work hours for each team member.

Obstacles and Challenges Encountered:

The biggest obstacles were related to docker and containerization of frontend and database. The JavaFx application was difficult to containerize, as it required installing loads of drivers and port forwarding the system's DISPLAY variable to the container to actually access the graphical user interface. Furthermore, as our database is not in an external server (for now), connecting to it from inside the docker container proved challenging. The solution was to create a docker-compose file to build both the app and database under the same container network, allowing them to communicate with each other. This is not a scalable solution, but works for development purposes.

Another challenge occurred when trying to push the generated docker image to docker hub. This was again related to database connectivity, as the project uses a local database for testing, different from the containerized database. This caused connection issues when trying to run tests during the project build process, requiring extensive troubleshooting to solve. For whatever reason, environment variables did not work properly with Docker and Hibernate, requiring us to manually overwrite the database connection string with a linux "sed" command. However, as both the app and database can't be pushed into the same image, further work is required.

Best,

Team 6

Scrum Master Ade

Sprint 5 Planning: User Interface and Database Localization Planning

The following section outlines the plan and main focus points for sprint 5.

Sprint and Product Backlog Update (18.03.2025 to 22.03.2025)

- Update the product backlog to reflect localization requirements.
- Add new user stories, tasks, and acceptance criteria for localization.
- **Assigned to:** Jonne and Mika.

User Interface Localization (24.03.2025 to 31.03.2025)

- Ensure the user interface is fully prepared for localization.
- Identify all text elements that require translation.
- Implement a language selection feature allowing users to switch languages.
- **Assigned to:** Ade, Heta, and Jonne.

Database Localization (25.03.2025 to 31.03.2025)

- Plan and prepare the database for handling multilingual data.
- Create a strategy for managing character encoding and locale settings to support multiple languages.
- **Assigned to:** Mika and Heta.

Identification of Localization Resources (22.03.2025 to 26.03.2025)

- Identify essential resources, such as translators and content management systems, for the localization process.
- Research best practices for UI/UX adaptation for different languages and regions.
- **Assigned to:** Ade, Jonne and Heta.

Initial Sprint Planning and Sprint Review Report (18.03.2025 to 01.04.2025)

- Finalize the sprint plan detailing tasks and estimated story points for UI and database localization.
- Document and review sprint progress and challenges in a sprint review report.
- **Assigned to:** Ade, Heta, Mika, and Jonne.

Sprint 5 scrum master: Jonne Roponen

Updated Product Backlog: https://trello.com/b/yD4DRsqo/product-backlog

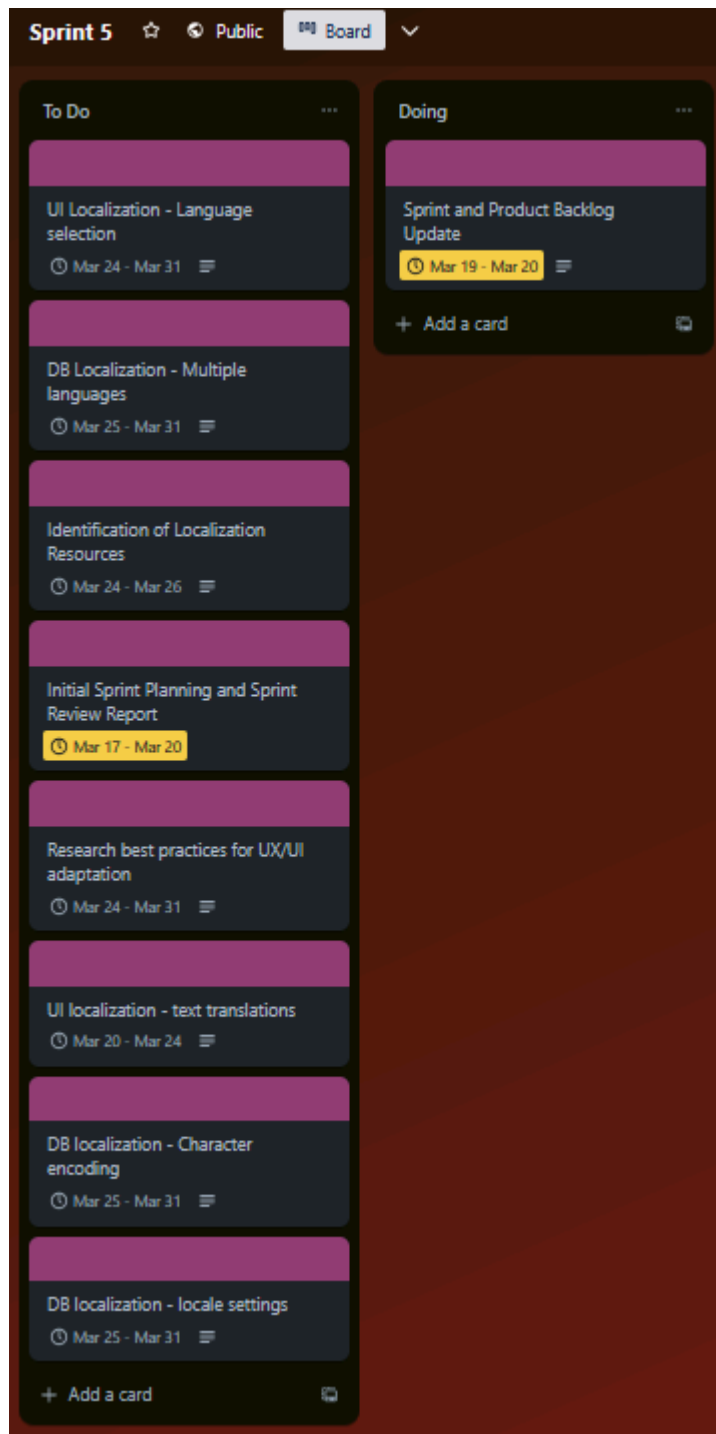**Sprint 5 Trello Board:** https://trello.com/b/OG0kqd6F/sprint-5

Image 4. Sprint 5 Backlog.

Planned tasks for the Sprint 5 are also shown in **image 4**.