

Sprint 4 Review Report

Project: Semester Project Group 11

Sprint Duration: April 23 - May 7, 2024

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Stakeholders: Sadok Ben Yahia

1. Sprint Goals and Outcomes

The goal for this sprint was to start fully developing the program. For this we added every issue that's a must(According to the MoSCoW breakdown we made) for the minimal viable product. We overshoot our capabilities on purpose, so we see what to do, and we will continue working on this in the next sprint as well.

Goal 1: Create Comparable Data

Status: Completed. Created Two Additional classes based on the Optimizer class, that create scenarios which are not the optimal case, to have something to compare our solution to.

Goal 2: Boiler Usage Data

Status: In Progress. The Data of which boiler is running when is created, it needs to be grouped and displayed to the user.

Goal 3: Neural Network Optimizer

Status: In Progress. The program is written for a neural engine to find the optimal solution, it just needs to be trained, and then introduced to the project environment.

Goal 4: Create Graphs

Status: To Do. We plan on displaying the different scenarios for the user next to each other in bar graphs.

Goal 5: Choosing Boilers for the Optimization

Status: To Do. We want to user to be able to choose which boilers they want to use to get the optimized results.

Goal 6: Save to CSV files

Status: To Do.

2. Completed Work

The members of the group are focusing on the upcoming Mathematics Exam, not on the project. The next sprint is planned to be more productive. Still, everyone is moving slowly forward with their To-Do-s. The only task that has been fully accomplished was requested by our supervisor.

3. Unfinished Work.

Many things, including the Data Visualization, Creating and Choosing boilers.

4. Quality and Technical Issues

All the bugs from the last sprint have been fixed. There are no known issues at the moment.

5. Team Dynamics and Collaboration

Work has been mostly divided equally, with everyone doing their part. Communication was clear and to the point. We had weekly meetings for scrum.

6. Processes and Tools

Jira helps keep track of the backlog and manage the sprint. Razor pages and Bootstrap has been used for UI. We sometimes looked back at our Figma prototype for reference.

7. Stakeholder Feedback

The feedback of our supervisor has been to provide some reference point for the data that our optimizer gives as the end result. This has been mostly accomplished in this sprint.

8. Obstacles and Impediments

The pressure of the upcoming math test reflected on the amount of work done.

9. Successes and Wins

There has not been any outstanding win or success during this sprint.

10. Action Items for Improvement.

Pass the exam with good grades, so all energy can be focused on the project.

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