Sprint planning

Team: Brave Alligator

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Sprint 1

In Sprint 1 as the first actual sprint where the development starts the main team priority was to work on the core functionality of the project like the frontend UI design and the core of the backend like CRUD of all the entities of our data system.
In Sprint 1 the team did encounter setbacks regarding the database. The team's progress was halted to wait for the distribution of virtual servers by the course staff. Nevertheless, the team completed most of the targets in time and is already setting new targets to combine already implemented parts frontend and backend.

Future targets are converter API integration and adding functionality to the application with fetch calls to the server. In Sprint 2 the team has decided to also reserve time for the implementation of a CRON job to fetch the status of the converter. This target is of a lower priority for now, however judging by the progress of Sprint 2 this may be subject to change.

Sprint 2

Sprint 2 was all about improving the groundwork that was set in Sprint 0 and Sprint 1. By the end of Sprint 1 the team of developers had a working work environment set together with functional CRUD in the backend and Frontend with no functionality with the backend. This however was quickly fixed as the first week of Sprint 2 was a client meeting. For the meeting, the goal was to connect frontend functionality with the Backend. Meaning adding a fetch call to the front and fixing minor bugs so that the application can be presented to the Client as a demo.

The team was hoping to spend most of Sprint 2 expanding the functionality of the project adding Bearer token authorization, adding role-based request accessibility to the backend and most importantly implementing the CRON job. A set of developers from the team had already discovered how CRON can be implemented and even experimented with it, however, due to unforeseen circumstances the team was unable to get access to the converters the whole Sprint 2, slowing the team's progress. Taking into account the setback development team was determined to use this time to improve the project in fields like error handling and data validation to make sure we spend our time improving the project.

Sprint 3

The goal of Sprint 3 was to address important requirements for the final product, with a high priority placed on the creation of a dummy API and setting up a CRON job to fetch converter data. The CRON job fetch was considered a critical requirement for the project, so ensuring its proper functioning was of high priority. The sprint also aimed to improve the overall data restriction and security of the system. This was achieved through a combination of code cleanup and the addition of authorization and data validation in both the front-end and back-end. The codebase was reviewed and cleaned up to improve its readability, maintainability, and remove

redundant code, while the addition of authorization and data validation restricted access to sensitive data and improved the overall security of the system. Once the updates and changes were made, thorough testing and debugging were conducted to ensure their proper functioning.