

Sprint Retrospective, Iteration #1

Task Overview

Task #	Task Assigned To	Estimated Effort per Task (in hours)	Actual Effort per Task (in hours)	Done (yes / no)	Notes
Integrate Microsoft identity platform in the Front End for Authentication	Dean Nguyen	7	9	Yes	Due to inexperience with Azure authentication and authorization systems, a lot more time was spent in looking at the documentation than expected.
Integrate front-end authentication and back-end authorization	Dean Nguyen, Tan Dao	3	4	Yes	An unexpected obstacle was the browser CORS policy for which it took some time for us to investigate and allow the response from the server to be received in the web app.
Integrate Microsoft identity platform in the Back End for Authorization	Tan Dao	7	9	Yes	Due to inexperience with Azure authentication and authorization systems, a lot more time was spent in looking at the documentation than expected.
React Setup	Akash Amalan	7	14	Yes	NPM caused a lot of dependency conflicts. So switched to Yarn
Spring Setup	Akash Amalan	7	7	Yes	
Docker Image Setup	Akash Amalan	7	13	Yes	TU Delft Gitlab did not have the extra features for deployment, and had to proxy via runners.
Create a Database Schema	Ege Dumanli, Nam Thang Bui	2	4	Yes	While coding, we thought of new ideas on how to represent the data when a project has multiple users working on it. Which led to slight alterations to the

Create Spring Entities With Foreign Key Constructs	Ege Dumanli, Nam Thang Bui	6	10	Yes	database schema. Due to lacking of experience with Docker, It took more time that expected to setup the application communicate with the database by using docker-compose The tables in the database should have been created quicker if the hibernate did not yield the incorrect constraints. There was no other way by manually initializing tables. This also costed a lot of time.

All tasks this week was anticipated beforehand in the Sprint Planning session.

Main Problems Encountered

Problem 1: Using the board feature of Gitlab

Description:

An observation is that the board has not been fully utilized to communicate each member's progress.

Response:

Members were asked to use the board to better communicate the current progress

Problem 2: Push without running the pipeline locally first

Description:

The Gitlab pipeline fails a lot due to not running it locally first.

Response:

Members were asked to run the pipeline locally with Gradle before pushing to Gitlab to save on resources

Problem 3: Issues are too big and need further refinements from developers

Description:

Issues are too big with weights too high, they require further refinement.

Response:

Members were asked to break down large issues (weight above 11) into smaller ones.

Problem 4: Storing CSV files

Description:

We have 2 types of CSV files and we have to come up with a way to store them efficiently.

Response:

The solution is being investigated and will be resolved next week