ASE Delivery - Team Contribution

This document contains a description of the development process during the semester, and of each team member's contribution.

Development

We took advantage of Gitlab's features to do the planning throughout the course. In the beginning, we started by creating a list of issues that encompassed all the necessary features (product backlog). Issues were tagged according to their context (e.g. backend, frontend, device, ...) and given weight. During development, additional issues were added when new features, bugs and/or tasks were found.Each week, the team met on Discord to discuss the project. In these meetings, each member showcased what they did during the past week, i.e. implemented features, difficulties, doubts that might have come up and eventual effects the implemented feature might have on the other project components. Each member then received feedback about their tasks from the other members, this included: suggestions, problems, future enhancements. We ended the meeting by assigning the next week's tasks (issues) to team members, taking into account each developer's schedule.

Contribution

We tried to split the work evenly, giving each member a chance to practice their software engineering skills. That being said, to ease the semester learning curve, members were mostly focused on either the frontend features or the backend features. This required extensive communication between elements of both groups, in order to seamlessly perform the connection between these two components.What follows is an alphabetical list of each team member and their contribution to the project. We argue that the contribution of each member is equal.

Achraf Aroua:

- Frontend development (60%):
- System testing

Eren Gülum:

- Backend setup
- Microservice architecture
- Backend development:
    - Delivery service
    - Notification service
    - User service
    - Box service (excluding device-related methods)
- Docker

David Silva:

- Frontend setup
- Frontend development (40%):

- Hardware development
- Docker
- Project management

Ruilin Qi:

- Backend development:
  - Box service (excluding device-related methods)
  - Authentication service
  - Authorization
  - CORS and CSRF

Xavier George:

- Backend development:
  - Box service (device-related methods)
  - Miscellaneous features in other services
- Continuous integration

Note that Xavier George joined the team on December 20th, so it isn't expected for him to have the same amount of completed work as other members. Despite this, Xavier was always available to work on any feature and showed commitment to the project.