Tasks for the next milestone

Quentin Mascia:

Build a prototype and potential version of the webpage’s framework, using Js and HTML. Styling of said prototype using Tailwind CSS potentially, and the making of the UI prototype for the customer need. This will cover both the customer portal, and the Admin Dashboard in the near future.

Luis Castillo:

Start of the backend programming. Prototype of the business logic + APIs. Support on the webpage’s framework, using Node.js with Express.js since it is widely used and has a wide number of resources. Will also start research on real time synchronization for live inventory updates.

Sebastian Perez:

With the use of MySQL, the implementation of the database into the webpage cloud will take place. To simplify queries, ORM will be in use with Sequelize, since it works with Node.js and MySQL without problem. The database will be synchronized and uploaded into our webpage/cloud host which will be Azure.

Johan Ulloa:

For the webpage and user’s security, an authentication system will take place. Loging systems using JWT, Bcrypt will be used for encrypting passwords. Let’s Encrypt will be used to encrypt the webpage itself and give it a SSL Certificate for free. Will be implementing roles within the users, customer and administrators will have different permissions.

Johan Ulloa (Team):

All the hosting regarding the webpage and its database will take place inside Azure. Azure will work as a platform-as-a-service which can serve for hosting web apps, APIs, and even mobile backends. It supports multiple programming languages which will be used, while also simplifying deployment. Azure will also hold our SQL database so we can use Microsoft’s own SQL server engine.

For the next milestone, the webpage should at least have functional prototypes in every department. Functioning database, frontend, and hosting, that can be used even at a barebones state. Webpage’s visual side will also be present, at least at a presentable level where functions like login in, multiple selections, and dashboard can be visible, and in a working state at minimum