
EE/CprE/SE 491 WEEKLY REPORT 06

Mar 6 – Mar 12

Group number: 3

Project title: *Small Equipment Locker*

Client &/Advisor: *Matthew Post*

Team Members/Role: *Laura Mejía, Ben Johnson, Camille Cramer, Ainara Machargo del Rio, and Jon González*

o **Weekly Summary**

This week the team met during the time of class to work on the project. The team had an impromptu meeting with Mr. Post where he handed components to the backend team of the locker, including the solenoid, and explained how to connect them together in order to test if the solenoid is receiving our commands. The team also worked with the team's website, adding information about ourselves and about the project.

o **Past week accomplishments**

- Jon González: Worked on the team's website.
- Ben Johnson: Continued adapting the python Flask API to be compatible with the Pi. Successfully researched and presented trade offs of the design decision to host the database and backend on the Pi vs on a separate server. Client agreed with the changes after some discussion.
- Camille Cramer: Researched implications of hosting database on server vs on the raspberry pi. Reviewed ER diagram.
- Laura Mejia: Worked on the team's website. Created a separate folder for front-end experiments and added an experiment for the main page.
- Ainara Machargo del Rio: Worked on team website and research doing our team's project on Flask instead of using php.

Pending issues (If applicable: Were there any unexpected complications? Please elaborate.)

- Ainara Machargo del Rio: Implement database schema design into SQL code.

o **Individual contributions** (Creating this section is optional, but it is **Required to include the "Hours Worked for the Week" and their "Total Cumulative Hours" for the project for each member somewhere relevant in your report. Your individual weekly hours should be at a minimum of 6-8 hours for this course. So please manage your time well. Also, ensure that individual contributions support your claim to the weekly hours. Be honest with the reports.)**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Jon González	<ul style="list-style-type: none"> Worked on the team's website 	2	18
Ben Johnson	<ul style="list-style-type: none"> Set up Pi given to us by client Tested existing functionality of API endpoints 	7	28
Camille Cramer	<ul style="list-style-type: none"> Researched hosting database on Pi Continued planning backend implementation 	2	19
Ainara Machargo del Rio	<ul style="list-style-type: none"> Created the ER diagram for the database using Figma 	2	22
Laura Mejia	<ul style="list-style-type: none"> Worked on the team's website Created a separate folder for front-end experiments and added an experiment for the main page. 	3	18

- o **Plans for the upcoming week** *(Please describe duties for the upcoming week for each member. What is(are) the task(s)? Who will contribute to it? Be as concise as possible.)*
- Our goal for the upcoming week will be to establish a connection from the backend to the solenoid, and finally connect the frontend to the backend in order to have a working demo that can interact with the locker.

o Use Case Diagram:

