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**EE/CprE/SE 491 WEEKLY REPORT 10**

**Apr 16 – Apr 30**

**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**

The team met up with Mr. Post and discussed the progress of the project and how much we've done this semester. The team demoed to Mr. Post the connection between the GUI of the touchscreen and solenoid and also the admin page for the website of the project. The team has been heavily focused on the Design Document ahead of the faculty presentation this coming week and preparing for everything needed for the presentation.

**Past week accomplishments**

- Successfully demoed the Raspberry Pi working alongside the solenoid.
- Managed to build a MySQL database that will hold the data of our users and items.
- Made GUI for Touchscreen

**Pending issues**

- Add finishing touches to the GUI
- Finish website that students will use
- Add testing to project.
- Connecting database to API

o **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b> <i>(Quick list of contributions. This should be short.)</i>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Jon González	<ul style="list-style-type: none"> <li>Worked on functionality between raspberry pi and touchscreen GUI. The GUI can now interact with the Pi and activate or deactivate the solenoid</li> </ul>	8	40
Ben Johnson	<ul style="list-style-type: none"> <li>Worked on integrating the Raspberry Pi with the solenoid to operate the locker</li> <li>Continued integrating the API with the database</li> </ul>	9	40
Camille Cramer	<ul style="list-style-type: none"> <li>Worked on starting to connect the API to the database</li> <li>Worked on researching how the GUI can run without it interfering with the database or the server.</li> </ul>	8	40
Ainara Machargo del Rio	<ul style="list-style-type: none"> <li>Worked on Python GUI for the touchscreen</li> </ul>	4	41
Laura Mejia	<ul style="list-style-type: none"> <li>Designed ETG admin front-end page. It has dummy data in, so all that is left to do is to connect it to the backend so we can have real data.</li> </ul>	9	40

o **Plans for the upcoming week**

- Our goal will be to get every piece of the project we have so far and put them together. Our faculty presentation is coming up next week and we want to be able to show all the working parts of our project. We will take the rest of what's left of the semester to work on our presentation. We will be working on the project during the summer in order to get ahead of the work that we have left before fall semester starts.