

EE/CprE/SE 491 WEEKLY REPORT 07

Mar 21 – Mar 27

Group number: SDDEC22-09

Project title: Class Scheduler

Client &/Advisor: Vicky Thorland-Oster & Mai Zheng

Team Members/Role:

Zachary Bunch: Team Leader and Backend

Connor Gaecke: Backend

Chris Horvatich: Front end

Charles Mulderink: Front end

○ **Weekly Summary**

This week we focused on finalizing the design of the application. We wanted to make sure the design choices we made were the most effective options for the application and the client. One of the primary decisions we made this week was to implement the application's database as a JSON file. We also made some decisions as to what features will be implemented by the frontend team and the backend team like where a scheduling conflict would be flagged within the application.

○ **Past week accomplishments**

- Chris Horvatich: Continue working with PyQt5 to get a better understanding on how the GUI will look. Worked on the teams Design report. Continue to stay in communication with team members to make sure progress is being made.
- Charlie Mulderink: Worked on front end prototype, working on the team's design document and presentation
- Zachary Bunch: Researched how to implement the database using a JSON file, and worked on the design assignment and talk.
- Connor Gaecke: Worked on implementing basic algorithms within the PyQt5 framework, researched the Agile methodology, and worked on the team's project plan.

○ **Pending issues**

- Chris Horvatich: N/A
- Charles Mulderink: N/A
- Zachary Bunch: N/A
- Connor Gaecke: N/A

○ **Individual contributions**

<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>
Chris Horvatich	Continue playing with PyQt5, GUI design thought, Worked on team's project design plan.	6	43
Charlie Mulderink	Researched PyQt5 and Agile, and worked on the team's project plan.	6	42
Zachary Bunch	Researched how to implement the application's database using a JSON file, and worked on the design talk and assignment.	6	43
Connor Gaecke	Researched Agile, and worked on implementing basic algorithms within PyQt5.	6	42

○ **Plans for the upcoming week**

- Charlie Mulderink: Work with Chris on creating an official GUI prototype and work towards developing an official prototype for the frontend of the project.
- Chris Horvatich: We still need an official GUI prototype design, going to collaborate with Charlie on getting this done after spring break. I have found the framework we are going to use for coding the GUI, PyQt5.
- Zachary Bunch: Create a basic database using a JSON file and implement full CRUD functionality for the database.
- Connor Gaecke: Work with Zach on creating the official backend for the project within the PyQt5 framework.