

EE/CprE/SE 492 WEEKLY REPORT 11

Sep 16 - Sep 27

Group number: SDDEC22-09

Project title: Class Scheduler

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

Team Members/Role:

Zachary Bunch: Team Leader and Back-End

Connor Gaecke: Back-End

Chris Horvatich: Front-End

Charles Mulderink: Front-End

○ **Weekly Summary**

This week the group focused on adding additional functionality to the GUI and finalizing the structure for the CSV files that are being used as the internal database. The front-end has been working towards displaying the class properties and adding a toolbar to the GUI. The back-end has been working towards standardizing the CSV files and ensuring that all of the required class properties have been identified and added to the files. The back-end has also been working towards identifying how to leverage a genetic algorithm to optimize the class schedule.

○ **Past week accomplishments**

- Zachary Bunch: Worked on the standardization of the CSV files.
- Chris Horvatich: Was able to get the class attributes to display reading out of a CSV file. Working on GUI.
- Connor Gaecke: Creating Class files for scheduling algorithm.
- Charles Mulderink: right panel is now showing info on selected items from left panel tree view.

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

- Zachary Bunch: Getting the "Schedule" object to convert to a JSON file and being able to convert the JSON file back to the "Schedule" object.

- Chris Horvatich: Getting things to work nice on GUI.
- Connor Gaecke: Parsing CSV files for specific information
- Charles Mulderink: Doing live edits through the gui go to the backend and then come back to the other front end widgets without lag.
- **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>
Zachary Bunch	Standardization of the CSV files	5	65
Chris Horvatich	Work on GUI.	5	65
Connor Gaecke	Research into genetic algorithms. Work on implementing classes for algorithm.	5	64
Charles Mulderink	Did not have very much time this week due to exams but I worked on gui	3	63

- **Plans for the upcoming week**

- Zachary Bunch: Identify any issues associated with the CSV files, and assist the front-end with the implementation of features in the GUI.
- Chris Horvatich: Continue work on GUI.
- Connor Gaecke: Creating classes and class files for algorithm back-end. Work on fitness equation for determining chromosome strength.
- Charles Mulderink:Start on middle panel and get a rough start to it.

- **Summary of weekly advisor meeting**

We met with our advisor and gave them an update of the project. We discussed the current state of the project, and our presentation for the first PIRM. The advisor also helped us identify how to most effectively document our contributions for the project in GitLab.