

## EE/CprE/SE 492 WEEKLY REPORT 13

Oct 12 - Oct 25

**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**

During these two weeks the group focused on starting to integrate the data from the backend with the front end. Since the CSV files are mostly standardized now, the internal database is becoming more functional. This is allowing the frontend to start testing the functionality they have currently implemented with the files, and determine the best course of action in terms of debugging current features and what functionality should be implemented going forward. This is also allowing the backend to determine what additional information should be added to the internal database and where data could be removed to help optimize the storage.

#### ○ **Past week accomplishments**

- Zachary Bunch: Standardized the CSV files and gathering data for the internal database
- Chris Horvatich: Working on the GUI, preparing to integrate some of the backend files into the front end. Want to be able to edit the schedule according to the specifications then export a nice looking CSV schedule file.
- Connor Gaecke: Creating algorithm class files and determining structure. Implementing the logic for scheduling.
- 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: Collecting more data for the internal database

- Chris Horvatich: Getting the elements from separate projects in order to integrate into the final product for our GIU
- 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**

<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>
Zachary Bunch	Standardization of the CSV files, and gathering data for the internal database	6	77
Chris Horvatich	Work on GUI.	5	77
Connor Gaecke	Continued research into genetic algorithms. Work on implementing classes for algorithm.	6	75
Charles Mulderink	Continued work on the GUI	5	68

○ **Plans for the upcoming week**

- Zachary Bunch: Further optimizations on the parsing of the CSV files, gathering more data for the backend, and assisting the front-end implement various features
- Chris Horvatich: Continue working on GUI. Integration of back end into the front.
- Connor Gaecke: Work on the fitness equation for determining chromosome strength. Fleshing out logic behind scheduling algorithm.
- Charles Mulderink:Start on the middle panel and get a rough start to it.