

## EE/CprE/SE 492 WEEKLY REPORT 12

Sep 28 - Oct 11

**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 further implementing features within the GUI, improving the internal database, and implementation of the genetic algorithm. For the GUI, the front-end worked on improving how the classes are displayed and how to access information within the program. The back-end continued working on the standardization of the internal database and improving the CSV files to increase efficiency. The back-end also worked on trying to structure the implementation of the genetic algorithm.

#### ○ **Past week accomplishments**

- Zachary Bunch: Continued working on the standardization of the CSV files.
- Chris Horvatich: Started work on the interface to show the class schedule in block form. Working on ways to make the GUI user friendly. Did a couple example projects that can be integrated into the final project.
- Connor Gaecke: Creating Class files for scheduling algorithms.
- 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: Standardization of the CSV files
- Chris Horvatich: Getting things to work nice on GUI (STILL PENDING ISSUE).

- 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><br><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  | 6                             | 71                             |
| Chris Horvatich    | Work on GUI.  | 7                             | 72                             |
| Connor Gaecke      | Continued research into genetic algorithms.<br>Work on implementing classes for algorithm.            | 5                             | 69                             |
| 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 and assisting the front-end implement various features
- Chris Horvatich: Continue working on GUI.
- Connor Gaecke: Creating classes and class files for algorithm back-end. Work on the fitness equation for determining chromosome strength.
- Charles Mulderink: Start on the middle panel and get a rough start to it.