Mark Ekis
Raymond Rennock
Austin Ross
Mohammad Baraja
Blake Higgins

Iteration 5 Report

It has come to the end of the semester and it is time for the final report on our capstone group project. This iteration also went by quite fast and the video presentation of our project is due in 2 days. This report will summarize what went right and what went wrong for both the final iteration and the duration of the project in general.

For what went right, we still have managed to make a decent amount of progress despite the increased workload for all members of the group. We have also managed to keep in touch although communication has also slowed down. We have managed to get all of our deliverables completed and turned in on time. We also managed to get our local database up and working with our project.

For what went wrong, all of our workloads have only continued to increase, making both working on the project and coordinating times where are all available even more difficult. Workload at our members' jobs have only increased as well as other projects and exams taking up larger and larger portions of our time.

The scheduler now works as intended. It's requirements were to be able to add a course between a time period with a professor and room. Additionally it must be able to be assigned to multiple days. The difficulty in executing this feature was that there were 2 systems that had to have incompatible methods of assigning time. The package we are using for the scheduler expects uses an event type data structure (startTime and endTime). The course model on the other hand uses (int) startTime, (int) length, and array of date codes. To solve this we made use of a fixed week date for the event scheduler and mapped the datetimes to that fixed week length for the courses. This means that Jan 1 2018 to Jan 5 2018 are the dates assigned to M-F.

Overall, for the whole semester, our group project has been able to make steady progress through all iterations. Our team did a good job on keeping in communication and staying productive. With the exception of some difficulties at the start of the semester, we have

managed to get all of our deliverables fully completed and turned in on time. Our progress was definitely slowed by the mandatory quarantine, but we actually were decently prepared as at the start of the semester, one of the risks we addressed was if we had to work from home. This allowed us to maintain communication without too much issue. That being said, progress still took a hit.

The remaining tasks include, adding the ability to permanently save the data across multiple sessions, detailed feedback when running the verifier, being able to create professors with tenure, and making courses work for multiple days. These we should be able to get completed by the time we submit our presentation on Wednesday. Additionally, we would like the ability to include Saturday and Sunday in our schedule, but these are features for if we have the time.