WMU Cohorts Project

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TPS Report

2/11/19

Tasks:

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| --- | --- | --- | --- | --- | --- |
| Name | Description | Time | Risk | Assignee | To be completed |
| Clean up appearance of assignments page | Change display of assignments page to group by Cohort | 1 hour | 2 | Alex | 2/18/19 |
| Work on Presentation/Practice Presenting | Make changes suggested by Kapenga and the class | 2 hour | 2 | All | 2/18/19 |
| Set up meeting with advisors and Dr. Tsang | Find time to meet next week with Diana, Lindsay, Tammi, and Dr. Tsang | 1 hour | 2 | Grant | 2/18/19 |
| Write About page explaining how to run the program | Explain how to run the program | 1 hour | 1 | Alex | 2/18/19 |
| Talk to Dr. Tsang about setting up AWS or WMU server | Look into gaining access to WMU servers | 1 hour | 2 | Jake | 2/18/19 |
| Add section restriction | Add section restriction to optaplanner as specified by input | 30 min | 1 | Alex | 2/18/19 |
| Write Project Abstract | Write an abstract of the project to put in the senior design brochure | 1 hour | 2 | All | 2/18/19 |

Stories:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Time | Risk | To be completed |
| Generate Schedules | Create viable cohort schedules based on parameters | DONE | DONE | 2/11/19 |
| Create Front End/UI | Create a front end usable to WMU advisors | 2 weeks | 2 | 2/25/19 |
| Create Database | Create Database to store requirements and schedules | 2 weeks | 2 | Done |
| Allow adding new criteria with plugin system | Make it easier for people to add ranking criteria | 4 weeks | 4 | As Time Allows |
| Get AWS or WMU Server set up to run project | Work with Dr. Tsang and OIT to decide which is best and get server set up if necessary. | 4 weeks | 2 | 3/1/19 |

Past tasks:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Resolution | Assignee | Completed |
| Fine Tune optaplanner for best results | Modify score change restraints, time spent, and number of solutions | Successfully generated valid schedules in 2 minutes. | Alex | 2/9/19 |
| Add Documentation | Restructure repository to represent new optaplanner solver instead of brute force C program | Finished restructuring, but will continue to improve it | Jake | 2/11/19 |
| Create connection between optaplanner and webapp | Create RESTful API for web app to call and trigger optaplanner | We have a working API that needs to be more thoroughly tested | Grant | 2/12/19 |
| Create connection between Optaplanner scheduler and database | Create JDBC connection between scheduler and database to add schedules once they are created | Successfully implemented and tested | Alex | 2/11/19 |