

WMU Cohorts Project

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TPS Report

1/14/19

Tasks:

Name	Description	Time	Risk	Assignee	To be completed
Add Section limitations to Branch and Bound alg	Add a limit to which sections a cohort can sign up for based on section name in final attempt to use branch and bound	2 hours	3	Alex	1/19/19
Confirm meeting time with advisors	Schedule a meeting for the week of 1/21 to discuss progress and get feedback	1 hour	1	Alex	1/17/19
Final branch and bound attempt	Run the branch and bound with section limits on test server to see if it is viable (Kill after 72 hours)	1 hour	2	Grant	1/19/19
Get course limitations document from advisor	Still waiting on limitations from Diana	1 hour	2	Jake/Grant	1/19/19
Optaplanner Research	Do further research on Optaplanner, and figure out how to delegate and integrate it.	3 hours	4	Jake/Grant	1/19/19
Open Source Research	Look for more alternatives to Optaplanner	1 hour	2	Alex/Jake	1/19/19

Stories:

Name	Description	Time	Risk	To be completed
Generate Schedules	Create viable cohort schedules based on parameters	6 weeks	4	1/19/19
Create Front End/UI	Create a front end usable to WMU advisors	6 weeks	4	2/2/19
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	As Time Allows