Iteration 2

Customer Meeting

We met with Seth to demonstrate our progress on the application. We walked him through the student schedule UI tooltips and the new columns that collect students' busy time information, such as course department and course number. He was satisfied with those changes.

We set up the goal for iteration 3&4: fix some of the uncompleted backend and frontend connection problems in the legacy code, and figure out a more reasonable and robust algorithm for the available time slot searching.

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User Stories

For this iteration, we completed user stories that were listed in iteration 1.

Feature: Type in reasons for schedule

As a student, so that I can explain why I am not available for the zlp course during this time slot, I want to explain it to the admin when I add my schedule table.

Add Schedule for Test Term

Schedule Name: [_____]

Add your reason for busy time slot. You should type in "Dept-Course Num-Section" such as "CSCE-606-600" for your courseair or type in "private affair"

Mandatory	Day	StartTime	EndTime	
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX

Save Schedule   Cancel

Add Schedule for Test Term

Schedule [____]

Add your busy time slot for each weekday - start time(24-Hour Time).

Mandatory	Day	StartTime	EndTime	Reason
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX
☐	Monday ▾	xx:xx	xx:xx	XXXX-XXX-XXX

Save Schedule   Cancel

Feature: View the reason of time slot occupation

As an admin, so that I can know why some students' schedules conflict with my decided time for the zlp course. I am interested in those courses whose time slot conflicts with the zlp course and how many students choose that course.
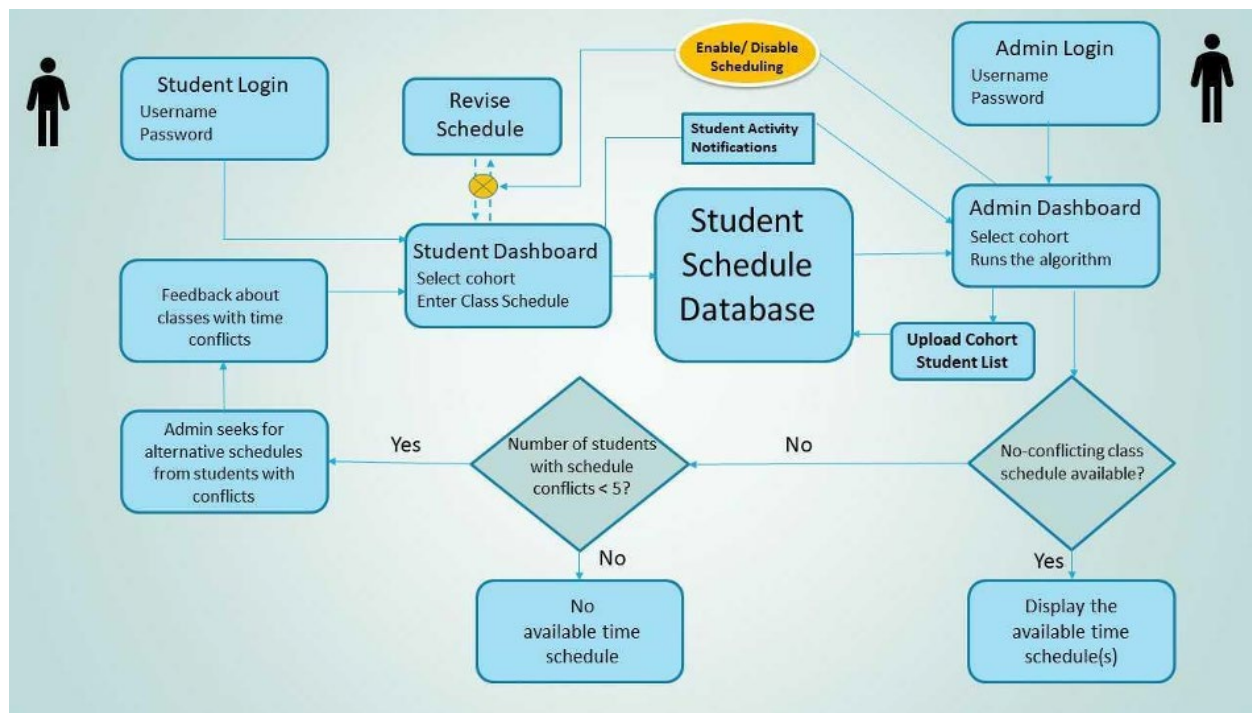

Test Coverage

In this iteration we mainly worked on adding new features and fixing the algorithm bug so we couldn't focus on improving the test coverage for legacy code.

However, we made sure to add testing for the bug fixes and improvements we have implemented which increased the total coverage by 1.7% to 61.64%.

On this last iteration, we plan to add testing for the parts of the legacy code that doesn't have test coverage as shown below.

Design Diagram

Links

GitHub: https://github.com/RuichenNi/TAMU-ZachryLeadershipScheduler
Pivotal Tracker: https://www.pivotaltracker.com/n/projects/2555575
Heroku:

- This Heroku is not the client's, but is a personal deployment for us to work on. The final deployment will be on the client's heroku.