

CS530 Bobcat Commute Final Iteration Report

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List the user stories that you have implemented at this iteration:

#	As a/an	I want to...	So that...	Notes	Pre -> Post	Pri	Size (total:23)	Status
6	Team Member	Create an asynchronous callback to run functions in the correct order.	The users browser does not throw an error and not load the map showing the bus locations and routes	Added during Sprint One review meeting.	Data obtained and parsed from CTTransit -> Map loaded and feature added	1	2	Done
7	user	view information about particular buses or routes.	I can meet someone who is riding that bus		bus selected -> pop up info	3	2	Done
8	Team Member	Create an asynchronous callback to run functions in the correct order.	The users browser does not throw an error and not load the map showing the bus locations and routes	Added during Sprint One review meeting.	Data obtained and parsed from CTTransit -> Map loaded and feature added	1	2	Done

All functionality has been implemented with the exception of the best route display. The popups were also modified to use a side frame which allows them to all be displayed simultaneously without blocking the map.

User stories 1-7 are complete. User Story 8 is the best route function, and user story 9 is the presentation.

Changes to the user stories include modifying the windows so they are always on display. An additional user story that was implemented in situ without updating the project backlog was "As a user, I would like to maintain the map view during real time updates." This was not planned for during the requirements phase but became a very obvious need during development and initial testing.

The major lesson learned is that various coders working on the same blocks of code is very tedious and should be avoided if possible. We spent an inordinate amount of effort simply catching up to each other's work. Something like pair programming could minimize this inefficiency. Another option would be to segregate the various blocks of code, perhaps into Model, View, and Controller. This would require a fairly rigid and mature schema but the added preparation up front could pay dividends.

The user story that was not completed is to be able to determine the best routes between locations. Challenges with debugging the code led to the determination that it would be better to have a working project that was not complete than a non-working project. Potential user stories that could be added in a follow on revision would be to incorporate more Responsive Web Design for use on various platforms, and to scale the map icons to the zoom level as appropriate.

Updated Product backlog

#	As a/an	I want to...	So that...	Notes	Pre -> Post	Priority	Size (total:23)	Status
Iteration, due 11/3/16 Functionality: Ability to incorporate CT fastrack data with Google AP								
1	Team Member	learn to work with Google API and CT Fastrack data	I can develop this project.		Novice -> expert	0	5	Done
2	Team Member	Design bus stop pop-up	It can be used in the project.		Idea -> sketch	1	1	Done
3	Team Member	Design specific bus pop-up	It can be used in the project.		Idea -> sketch	1	1	Done
4	Team Member	Design best route display	It can be used in the project.		Idea -> sketch	1	1	Done
Iteration, due 11/17/16 Functionality:display bus info, alert to changes								
5	user	see what time the next bus will arrive for a particular bus stop on a particular route	I can plan for when I need to be there		bus stop selected -> pop up box with info	2	5	Done
6	user	to be alerted to changes.	I'm aware of changes to my commuting schedule.	"Change" threshold?	selected bus has a change -> user is alerted.	2	1	Done
11	Team Member	Create an asynchronous callback to run functions in the correct order.	The users browser does not throw an error and not load the map showing the bus locations and routes	Added during Sprint One review meeting.	Data obtained and parsed from CTTransit -> Map loaded and feature added	1	2	Done
Iteration, due 12/6/16 Functionality: project complete								
7	user	view information about particular buses or routes.	I can meet someone who is riding that bus		bus selected -> pop up info	3	2	Done
8	user	get best route for a specific destination.	I can plan my optimal commute.		destination selected -> pop up info	3	3	To do
10	Team Member	Prepare Presentation	Give presentation	Project Complete	Not ready -> ready	0	2	To do