Iteration Report One

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Team Unique Name

Functionality Achieved in This Iteration

In this iteration we achieved: a functional website(not on a server), real-updates on all bus locations, bus stop locations are marked on the map, users able to interact with the buses (displays information about the selected bus) and buses location updates in real-time every 30 seconds.

Completed User Stories this Iteration

3. As a commuter, I would view arrival and departure predictions so that I know when a bus is coming. **Complete**

5. As a commuter, I would like to interact with the bus stops on the map so that which buses are going to stop by that bus stop. **Complete**

6. As a commuter, I would like to view approaching buses so that know what buses are coming on a selected bus stop. **Complete**

8. As a commuter, I would like interact with bus so that i can look at information about the bus such as arrival times and delays. **Complete**

No changes were made to the user stories this iteration as it was well defined and simple enough to be implemented. No new user stories were identified or implemented this iteration

Lessons Learned This Iteration

The biggest lesson our team has learned this iteration is spacing of work. Most of the work as done later into the iteration which lead to last minute fixes. The best way to fix this is not fall behind on our work and dedicate some time into the project early on into the iteration.

Current User stories to be implemented

	User Stories	Size
1	**As a commuter, I would like to search for my destination so that I can get the best bus route.** Precondition: checks if commuter inputs a valid address. Postcondition: the address real and is within CTFastrak.	**8**
2	**As a commuter, I would like to choose my bus route so that I know what route I am using.** Precondition: the bus route must exist. Postcondition: making sure the bus route is not cancelled.	**8**
4	**As a commuter, i would like to cancel my bus route so that i can choose another one**. Precondition: user must have an selected route for this option to appear. Postcondition: the route is not selected by the user anymore.	**1**
7	**As a commuter, I would like to view a bus route so I know where the bus is going.** Precondition: the bus route must exist. Postcondition: displays its next stops.	**2**
9	**As a commuter, I would like to view delay information so that i know if a bus is going to be late.** Precondition: the selected bus must exist and currently on a route. Precondition: sending information about delay, such as how long the delay is.	**2**
10	**As a commuter, I would like to receive alerts so that I know of any changes that occur.** Precondition: The route is what the commuter selected and a condition sets off the alert. Postcondition: commuter acknowledged the alert.	**3**
11	**As a commuter, I would like to receive a "bus is here" alert, so I know when the bus arrives.** Precondition: the route is selected by commuter and selected bus stops at the bus stop. Postcondition: commuter acknowledged the alert.	**2**
12	**As a commuter, I would like to receive " bus is delayed by # minutes" so that i know what time the bus would arrive at my selected bus stops.** Precondition: the route is selected by commuter arrival time is delayed. Postcondition: commuter acknowledged the alert.	**2**

User stories for the second sprint

1) As a commuter, I would like to search for my destination so that I can get the best bus route. Size = 8
2) As a commuter, I would like to choose my bus route so that I know what route I am using. Size = 8

Story points this sprint = 16

After these user stories are implemented, commuters will be able to input their destinations and starting location, then an algorithm will be able to determine the best path to their destination using CTFastrak then the commuter will be able to choose that route that has features not included this sprint. Choosing the bus route is dependent on the first user story so getting the algorithm to done and function is top one priority.