Iteration Report Two

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Team Unique Name

Functionality Achieved in This Iteration

In this iteration we achieved: an algorithm that calculates the shortest path from A to B using the CTFastrak buses where A is the starting location and B is the designated location the commuter is trying to get to. By doing this, the commuter can also select the bus route. What this means is the route the commuter search for will persist on the map and give updates, Outside of the user stories this sprint, we updated an user story from the first sprint by dynamically comparing Bus stop IDs from an static list and from trip updates so the map only displays active bus stops for the day.

Completed User Stories this Iteration

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.	**completed**
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.	**completed**

Lessons Learned This Iteration

An user story from the last sprint,(displaying bus stops) should have been more defined. The issue was that the data we pull for that to display on the map included bus stops not used in CTFastrak. This created issues for the algorithm as there was too many bus stops it could not use.

Current User stories to be implemented

	User Stories	**Size**
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

8) As a commuter, i would like to cancel my bus route so that i can choose another one. **Size = 1**

7) As a commuter, I would like to view a bus route so I know where the bus is going. **Size = 2**

9) As a commuter, I would like to view delay information so that i know if a bus is going to be late. **Size = 2**

10) As a commuter, I would like to receive alerts so that I know of any changes that occur. **Size = 3**

11) As a commuter, I would like to receive a “bus is here” alert, so I know when the bus arrives. **Size = 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. **Size = 2**

Story points this sprint = 12

After these user stories are implemented, commuters will be able to view more information about the bus routes and buses due to the algorithm being implemented. This sprint will also make use of the alerts that tells users a bus is going to be late or the route is cancelled. This sprint is about displaying information we could have not done in the first or second sprint.