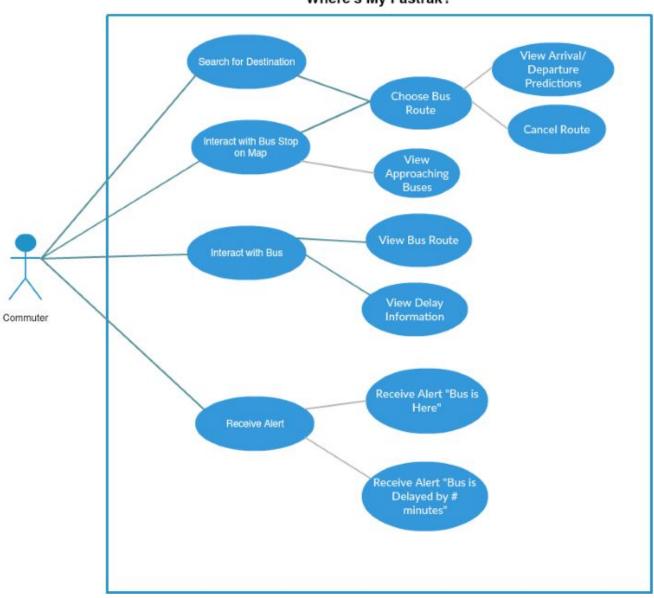wmft?

System Requirements

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Use Case Diagrams

Where's My Fastrak?

User Stories

1. As a commuter, I would like to search for my destination and choose my bus route so that I can get the most efficient bus route.
2. As a commuter, I would like cancel my bus route if I don't want to go to that destination anymore.
3. As a commuter, I would like view arrival and departure predictions so I know when the bus is coming and leaving.
4. As a commuter, I would like to interact with bus stops on the maps so that I know what buses are on route to this stop.
5. As a commuter, I would like to interact with the bus stops so that I can plan for future travel.
6. As a commuter, I would like to interact with the buses in order to receive information about the bus's route and any possible delays.
7. As a commuter, I would like to receive alerts so that I can know when my bus is here or if it's delayed.

Complex User Stories

They are no complex user stories and needs to be broken down.

Pre- and Post- conditions

In general,application need to make sure the route is being planned during the hours of operation and the buses are operational in addition that that the application is receiving information periodically from the CT Transit.

For user story one, the precondition is we need to make sure the address being entered is in a valid format. For the postcondition, we need to make sure the address is within the CT area and also that the address exists.

For user story two, the precondition is that a route is active. The postcondition is that there is no active route.

For user story three, the precondition is that the bus is still active. the postcondition is bus information is being received.

For user story four and five, the precondition is bus stops must exist and receiving information. The postcondition is retrieval bus stop information.

For user story six, the precondition is the buses must exist and on a route. The postcondition returns bus stop information

For user story seven, the precondition, if alert active and related to route. The postcondition is alert the should be closed by commuter.

Nonfunctional requirements

- Colors for markers on the map (buses, bus stops)
- Type of map use to display
- How often the data is retrieved from CT Fastrak

Glossary

Commuter	Users of the application
Alert	A notification that tells the commuter the status of a bus
Information	Data from the files retrieved from CT Transit's website