

Where's My Bus?

Use Cases

Becky Leslie (beleslie)

Bryce Martz (bmartz)

Daniel Houtsma (dhoutsma)

David Li (lidav6)

Dylan Whitlow (whitldy)

Nicolas Bissiri (nbissiri)

Goal	User wishes to display the buses arriving at a particular bus stop
Primary actor	User
Scope	Individual bus stop
Level	User
Precondition	User is on map interface
Success end	Bus stop interface is shown with information on the busses arriving soon
Failure end	Bus stop interface is not shown; error message shown
Trigger	User clicks on a particular bus stop

Main Success Scenario	<ol style="list-style-type: none">1. User clicks on a particular bus stop2. System requests bus stop information3. System displays bus stop interface with data
Extensions	<ol style="list-style-type: none">1a. No Internet<ol style="list-style-type: none">1a1. No Network error message displayed. System tries again later.2a. No Internet / OneBusAway API down<ol style="list-style-type: none">2a1. Can't retrieve data error displayed. System tries again later.

Goal	User wishes to display the location of a bus
Primary actor	User
Scope	Individual bus
Level	User
Precondition	User is on a bus stop interface
Success end	Bus is shown on the map
Failure end	Bus is not shown on the map; error message shown
Trigger	User clicks on a particular bus that is arriving soon

Main Success Scenario	<ol style="list-style-type: none">1. User clicks on a particular bus from the bus stop interface.2. System requests bus location and displays it on the map
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Extensions	<p>1a. No Internet</p> <p>1a1. No Network error message displayed. System tries again later.</p> <p>2a. No Internet / OneBusAway API down</p> <p>2a1. Can't retrieve data error displayed. System tries again later.</p>
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Goal	User wishes to search for bus routes
Primary actor	User
Scope	Metro System
Level	User
Precondition	User is on the title screen
Success end	Bus route is shown
Failure end	Bus route is not shown
Trigger	User clicks on the catalog and chooses a route

Main Success Scenario	<ol style="list-style-type: none"> 1. User clicks on catalog 2. User enters a search for a bus route 3. System retrieves data and displays matches
Extensions	<p>3a. No Matches</p> <p>3a1. System reports there are no matches and prompts the user to search again</p>

Goal	User wishes to view alerts
Primary actor	User
Scope	Individual bus route
Level	User
Precondition	User has the app
Success end	Alerts forum is displayed
Failure end	Alerts forum is not displayed
Trigger	User launches the app
Main Success Scenario	<ol style="list-style-type: none"> 1. User opens the app 2. System displays the home screen

	<ol style="list-style-type: none"> 3. User selects a bus route 4. System displays alerts forum for that route
Extensions	<ol style="list-style-type: none"> 4.a. Cannot load forum (no internet) <ol style="list-style-type: none"> 4.a.1. No network error message displayed. User tries again later
Variations	<ol style="list-style-type: none"> 3. User selects neighborhood

Goal	User wishes to post an alert
Primary actor	User
Scope	Individual bus route
Level	User
Precondition	User is at the home screen
Success end	Alert is posted
Failure end	Alert is not posted
Trigger	User selects a bus
Main Success Scenario	<ol style="list-style-type: none"> 1. User selects a bus route 2. System displays alerts forum for that route 3. User selects add an alert 4. System displays alert creation input 5. User enters alert information 6. System displays forum with alert added
Extensions	<ol style="list-style-type: none"> 2.a. Cannot load forum (no internet) <ol style="list-style-type: none"> 2.a.1. No network error message displayed. User backs out or tries again later 6.a. Alert fails to post (connection/database failure) <ol style="list-style-type: none"> 6.a.1. Alert could not be posted error message displayed. System tries again later
Variations	<ol style="list-style-type: none"> 1. User selects neighborhood

Other Extensions:

- Can't find GPS: won't be able to display user location, error will occur, but other functionality should not be affected.

We believe these use cases cover the main functionality of the app. Searching by map, searching by catalog, displaying bus location, and posting/viewing alerts - all functionality included in the beta release and will be core functionality.