

CTfastrak Application

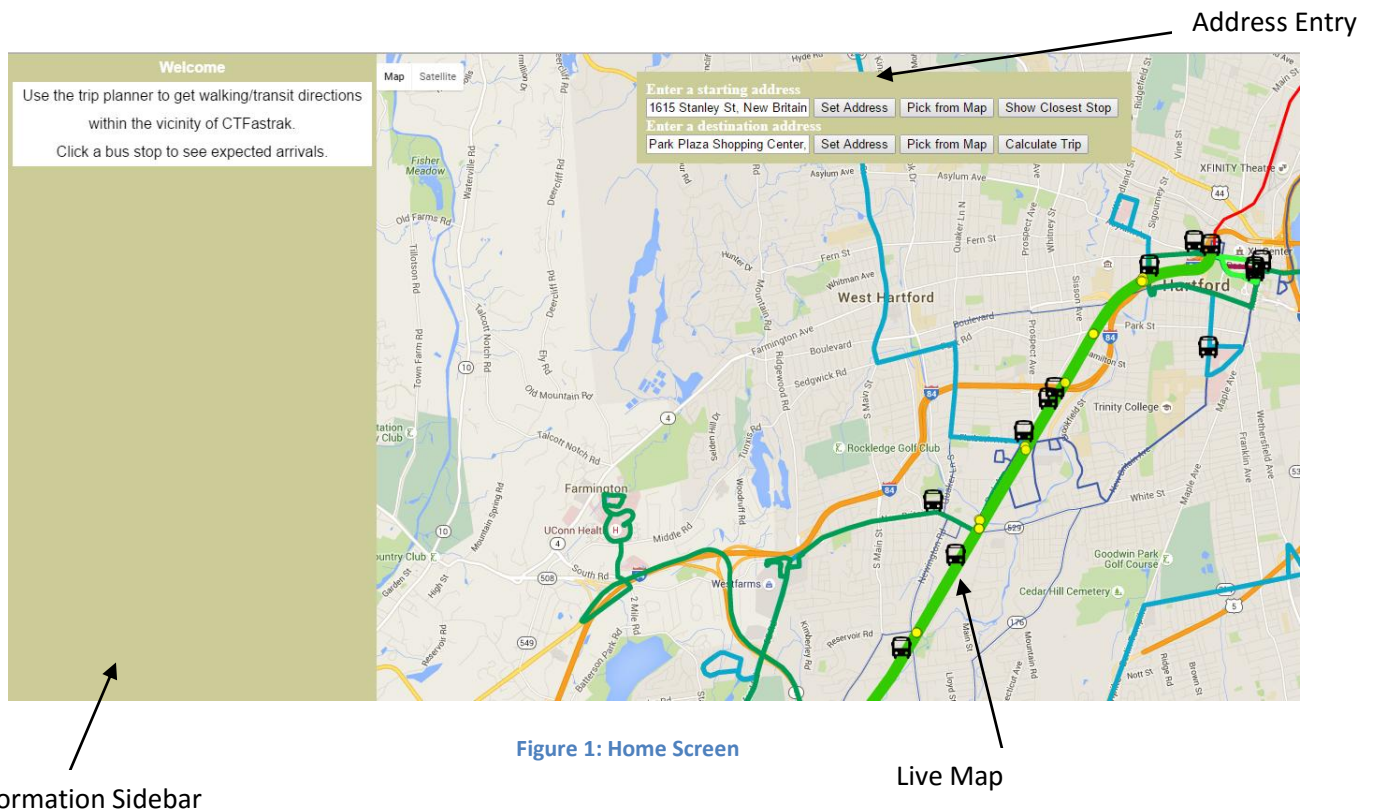
User Manual

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Accessing the Application:

Live Website: <http://kvn-dly.github.io/>

The web application has a live demo at the webpage linked above. Requirements for accessing the application are a modern webbrowser (Chrome, Firefox, Opera, and newer versions of Internet Explorer) and an internet connection. No installation, sign-up, or log-in required for use of this application. Simply access the website thru your browser. Below is a snapshot of the homescreen.



Main Features:

Live Map - The locations of the CTfastrak buses are dynamically drawn on the map. Every 30 seconds the positions of the buses will automatically update.

Address Entry- The user may pick their location by clicking on a point on the map or they may type in their address. This allows the user to share their location and intended destination with the application.

Nearest Bus Stop - Users may search for the nearest CTfastrak bus stop to their location after they input their address.

Find a Route - The application can calculate a route using the CTfastrak line after a user has inputted their location and destination.

Out of Range - When picking a location from the map if the user is out of range they will receive an notice asking for re-entry.

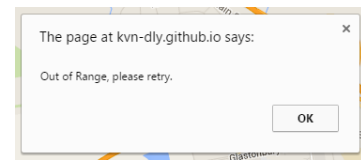


Figure 2: Out of Range Notification

Zoom/Pan - Users can freely pan through the map. Zoom in and out functions are located in the lower right hand corner.

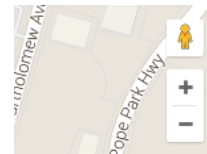
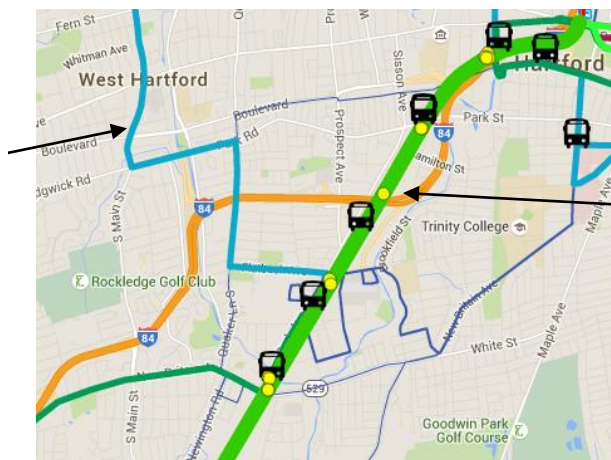


Figure 3: Zoom In and Out

View Arrival Times - The user may click on one of the bus stops on the CTfastrak line to view the arrival times of buses. This information will display in the side bar.

View Schedules- The user may click on one of the bus lines to view more static information about that line. This information will display in the sidebar.

Click for more
information about
the line



Click for more
information about
arriving buses

Figure 4: Station and Line information

Main Scenario:

The user wants to find the route from one location to another near the CTfastrak line.

Steps:

1. Pick a starting point in on the map by first clicking "Pick from Map" and then clicking on to the map. A green circle will display if that location is in range.
2. Pick a destination in on the map by first clicking "Pick from Map" and then clicking on to the map. A blue circle will display if that location is in range.
3. Click on the calculate trip button to have the route displayed on the map and trip information shown in the side bar.

1b. Click on starting point

1a. Click to first before selecting starting point

2a. Click to first before selecting destination

3. Click to display route

2b. Click on destination

Your Directions

Walking directions are in beta. Use caution – This route may be missing sidewalks or pedestrian paths.

A 28 Madison Ave, Hartford, CT 06106, USA

2.5 mi – about 19 mins

Walking to CTFastrak and Kane St Station
About 7 mins

CTFastrak and Kane St Station
101 Bus towards 101 - New Britain
10:11am–10:15am (4 mins, 2 stops)
Service run by [CTTransit-Hartford](#)

CTFastrak and Elmwood Station
Walking to 983 New Britain Ave, West Hartford, CT
06110, USA
About 9 mins

B 983 New Britain Ave, West Hartford, CT 06110, USA

Local agency information:
Contains more information on fares, schedules, and service advisories
[CTTransit-Hartford](#) +1 860-525-9181
Map data ©2015 Google

Figure 5: Main Scenario Outcome

Alternative Scenarios:

User wants to locate the nearest CTfastrak station.

Steps:

1. The user enters their starting point in the address input bar and presses "Set Address".
2. The user clicks on "Show Closest Stop". The route will be displayed on the map and the directions are shown on the side bar.

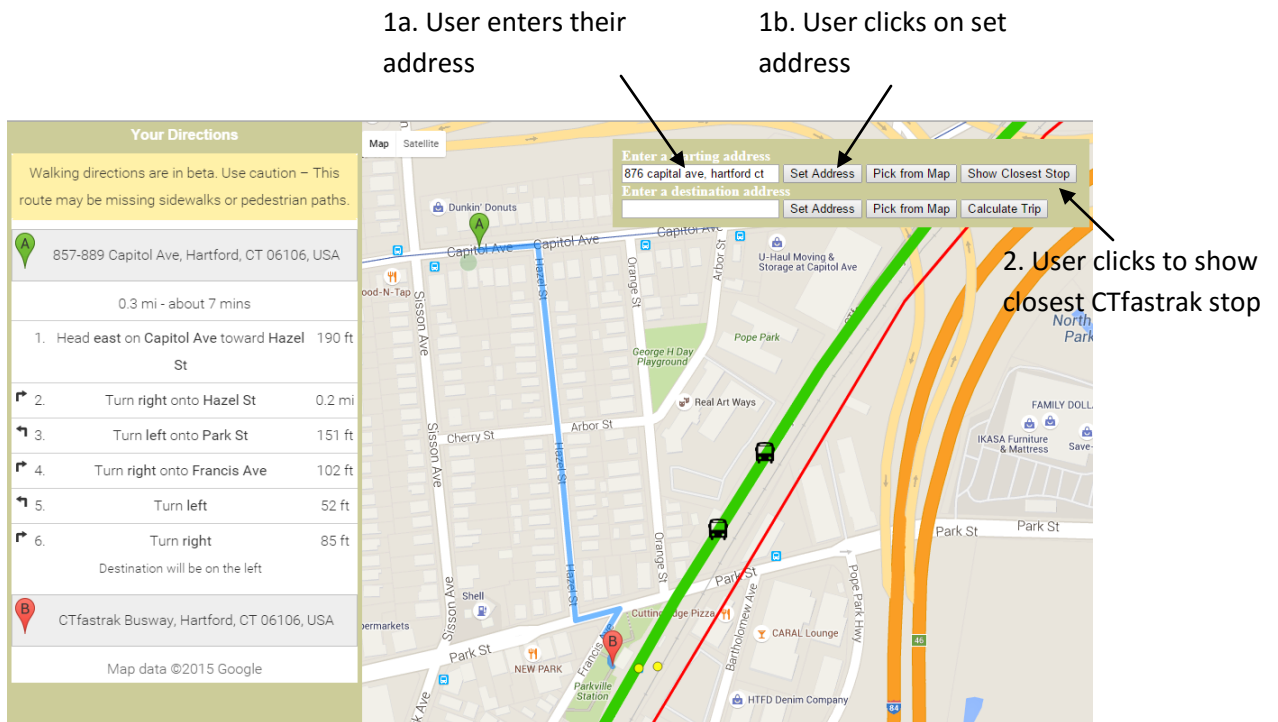


Figure 6: Nearest CTfastrak Stop

User wants to see the location of CTfastrak buses.

Steps.

1. Open up the web application. The live map will automatically display the current bus locations. Buses will automatically update every thirty seconds.

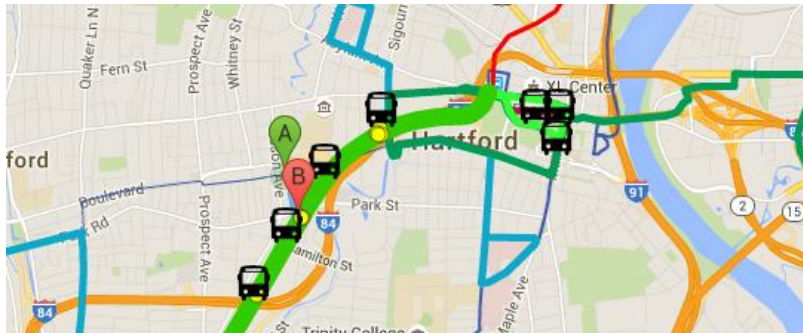


Figure 7: Current Bus Positions

User wants to view arrival times at a particular bus stop on the CTfastrak line.

Steps.

1. The user clicks on one of the bus stops on the line. Arrival times will be displayed on the side bar.

1. Click on a bus stop to view arrival times

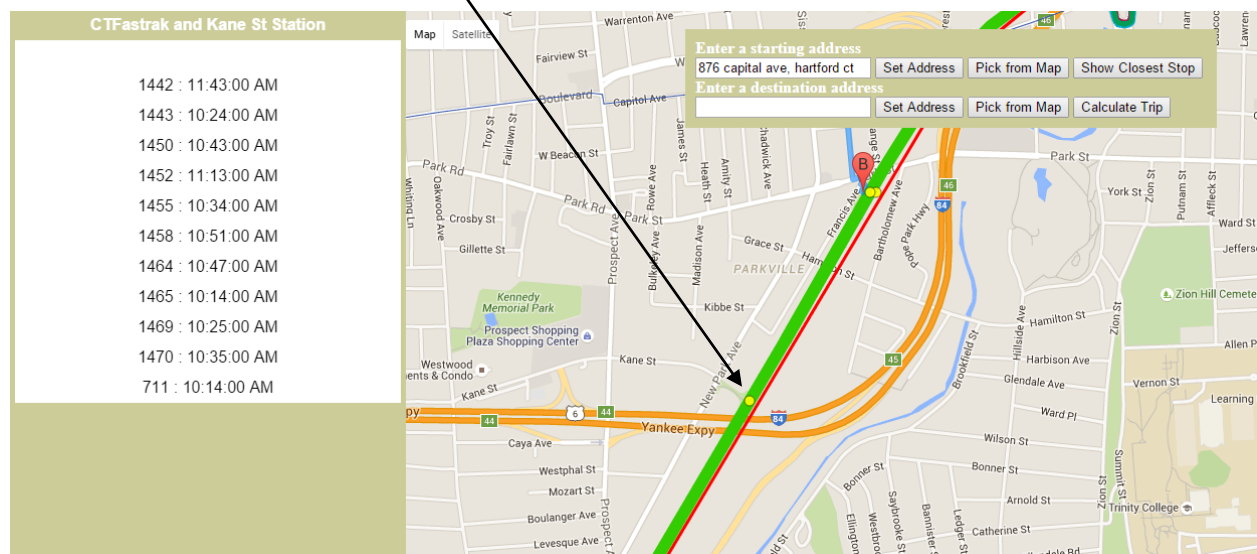


Figure 8: View Arrival Times