

## Project Title: CT Fastrack Website

Deliverable Name: User Manual

Team Name: TeamSpark

Membership: Lavanya Mattaparthi  
Kruthika UmmadahalliSomaraju  
Harshita Singh  
Khanom Meshkat Hassan Beiki

Submission Date: 12/12/16

## Deploying the system

Code can be pulled from GitHub to any location on local machine and users can start using the system.

GitHub location: <https://github.com/LavanyaMattaparthi/CS530-16-Software-Engineering/tree/master/Work>

## Technical Specifications

Application connects to Google API, Google drive to fulfill couple of features and it works on most available web browsers.

- Internet Explorer (IE)
- Google Chrome
- Opera
- Safari

## Main features of the system

### 1. Live Bus location:

System automatically updates the bus position and its details on the map so that user can locate its exact position and plan their ride.

### 2. Trip Planner:

User can enter a place from where they wanted to board the bus in **source** address and where they would like to reach at **destination** address fields, and hit on “Show route and get distance” button. System will display the transit route, travel distance and Travel time.

### 3. Get my position:

If users are at unknown place and they don't know the address, they can click on 'Get my position' link which display user location on either Source or Destination field.

### 4. Nearest Bus stop:

User can get the detail of nearest bus stop from their current location.

### 5. Zoom in, Zoom Out:

User can Zoom in and out on the map so that they can get a better view of the map.

### 6. View Bus schedule:

User will be able to view schedules of all buses, so that he can plan their trip ahead in time.

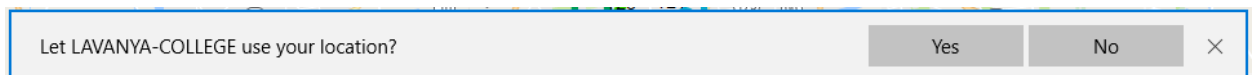
## Main Scenario

### 1. Locate user current location:

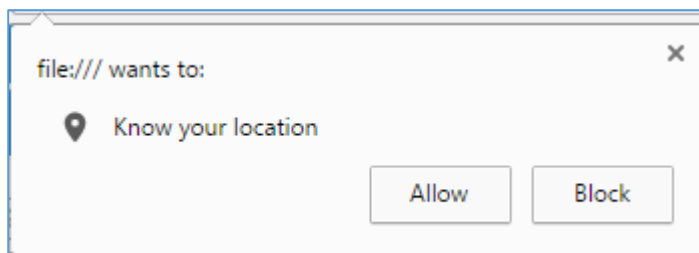
When user enter trip planner page website will prompt for the location detection. User need to hit on “Allow” or “Yes” based on the browser.

System will point user’s current location on the map.

#### On Internet Explorer:



#### On Chrome:



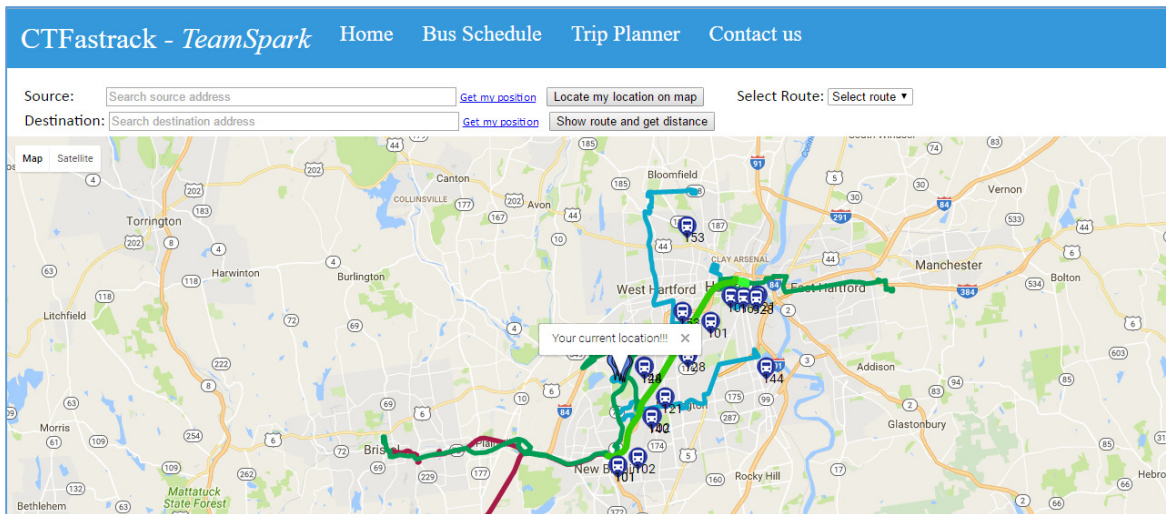
### 2. Display CTFastrack bus path:

When user enter into the “Trip Planner” page, all CTFastrack bus paths will be displayed on the screen.

### 3. Real time bus positions:

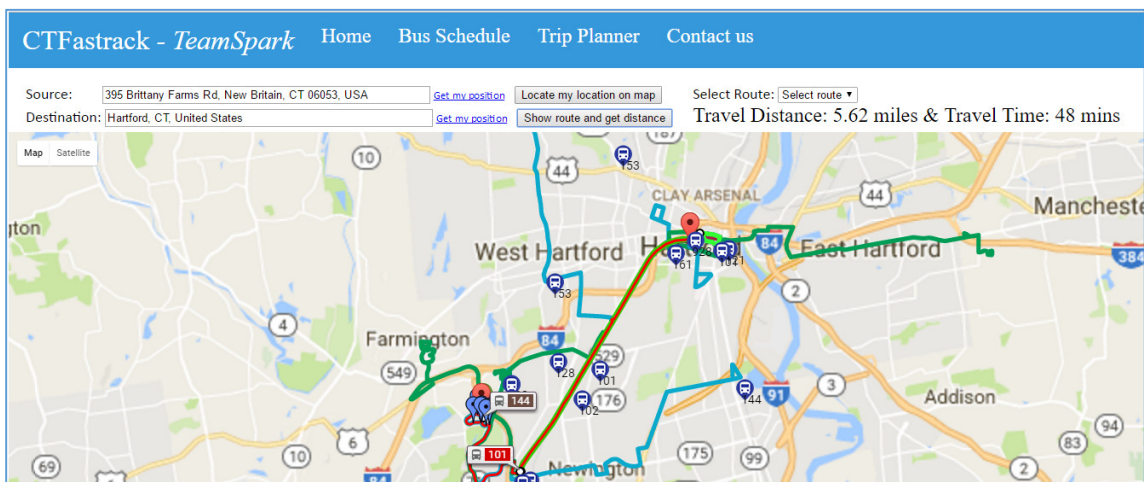
When user enters into the “Trip Planner” page, all CTFastrack bus current positions will be displayed on the screen and their position will get updated every 5 seconds.

#### Screen Shot:



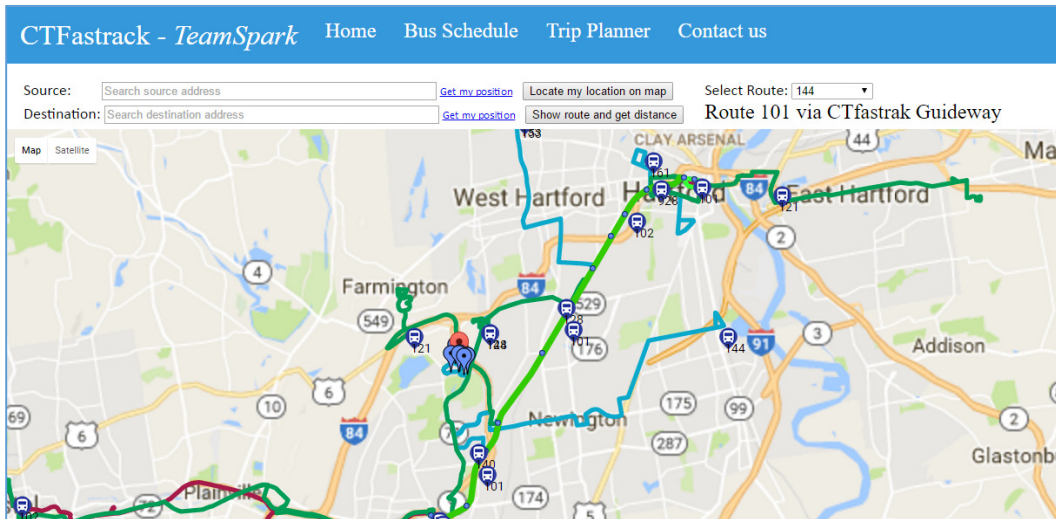
### 4. Travel from one place to another:

User has the opportunity to provide source and destination and hit on the “Show route and get distance” button it will display route and travel time and distance.



## 5. Locate bus stops on the route:

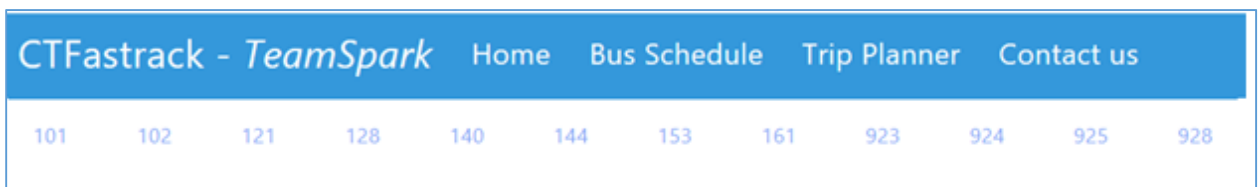
Users can click on route to display bus stops on that particular selected route, they can identify the selected route at the top right corner which display the selected **Route number**



## 6. View Bus Schedule:

Users can view all CTfastrak bus schedule and plan their trip ahead in time.

### Bus Schedule Page



CTFastrack - <i>TeamSpark</i>												
<a href="#">Home</a> <a href="#">Bus Schedule</a> <a href="#">Trip Planner</a> <a href="#">Contact us</a>												
101	102	121	128	140	144	153	161	923	924	925	928	
101 - HARTFORD												
CTFastrack and New Britain Station Bay B	CTFastrack and East Main St Station Platform A	CTFastrack and East St. Station Platform A	CTFastrack and Cedar St Station Platform A	CTFastrack and Newington Junction Station Platform A	CTFastrack and Elmwood Station Platform A	CTFastrack and Flatbush Ave Station Platform A	CTFastrack and Kane St Station Platform A	CTFastrack and Park St Station Platform A	CTFastrack and Sigourney St Station Platform A	Asylum St and Opp Union Pl	Jewell St and Trumbull St	Main St and Travelers
10:52	10:55	10:57	10:59	11:02	11:05	11:07	10:49	10:51	10:53	10:55	10:56	10:58
11:12	11:15	11:17	11:19	11:22	11:25	11:27	11:09	11:11	11:13	11:15	11:16	11:18
11:32	11:35	11:37	11:39	11:42	11:45	11:47	11:29	11:31	11:33	11:35	11:36	11:38
11:52	11:55	11:57	11:59	12:02	12:05	12:07	11:49	11:51	11:53	11:55	11:56	11:58
12:12	12:15	12:17	12:19	12:22	12:25	12:27	12:09	12:11	12:13	12:15	12:16	12:18

1. Feature – “Get my position” will display their current location.

CTFastrack - *TeamSpark*
Home
Bus Schedule
Trip Planner
Contact us

Source:


Select Route:

Destination:

CTFastrack - TeamSpark
Home
Bus Schedule
Trip Planner
Contact us

Source:
395 Brittany Farms Rd, New Britain, CT 06053, USA
Get my position
Locate my location on map

Destination:
Hartford, CT, United States
Get my position
Show route and get distance

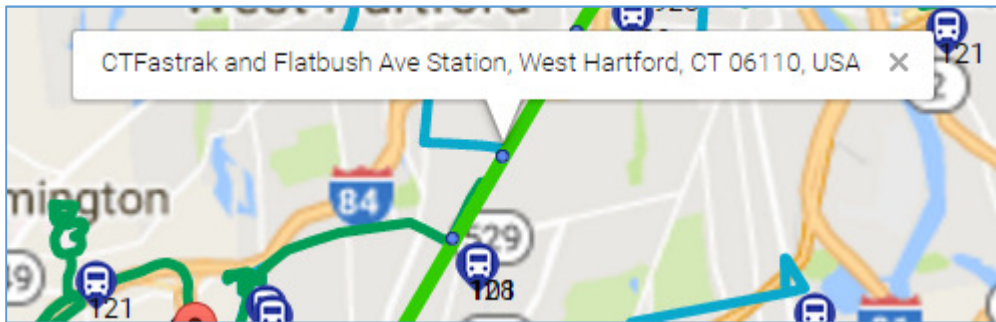
Map
Satellite

Select Route:
Select route
Select route

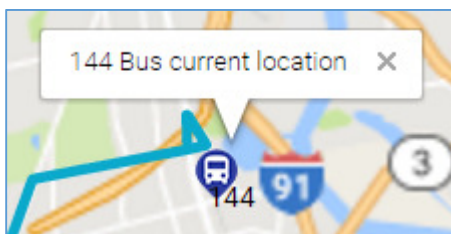
Travel Distance:
2 miles &



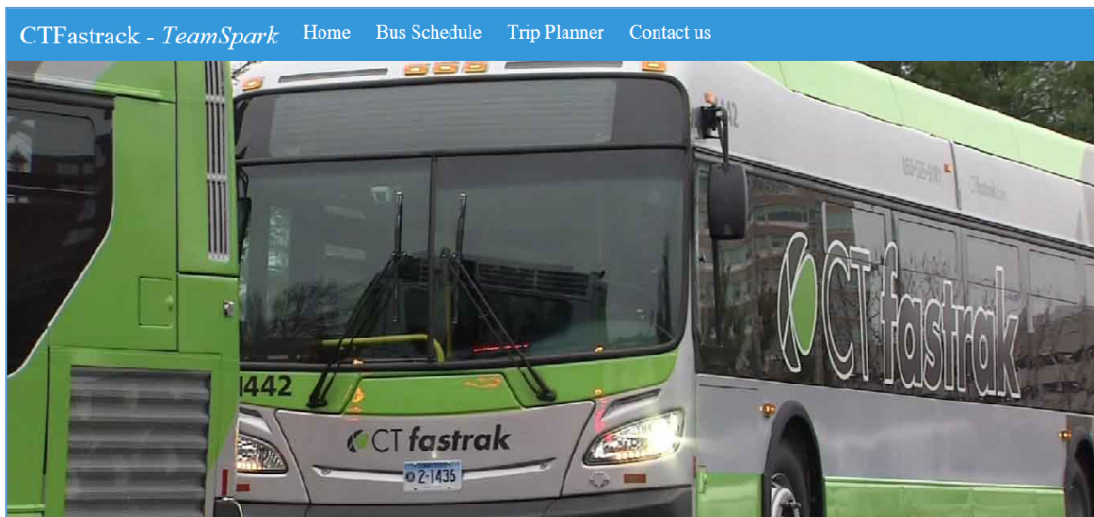
3. Feature – user can click bus stop to see the name of the bus stop



4. When user click on bus they can see a message as below:



5. Home Page:



6. Contact us: users can contact us if they have any questions.

**CTFastrack - *TeamSpark*** [Home](#) [Bus Schedule](#) [Trip Planner](#) [Contact us](#)

**Contact us**