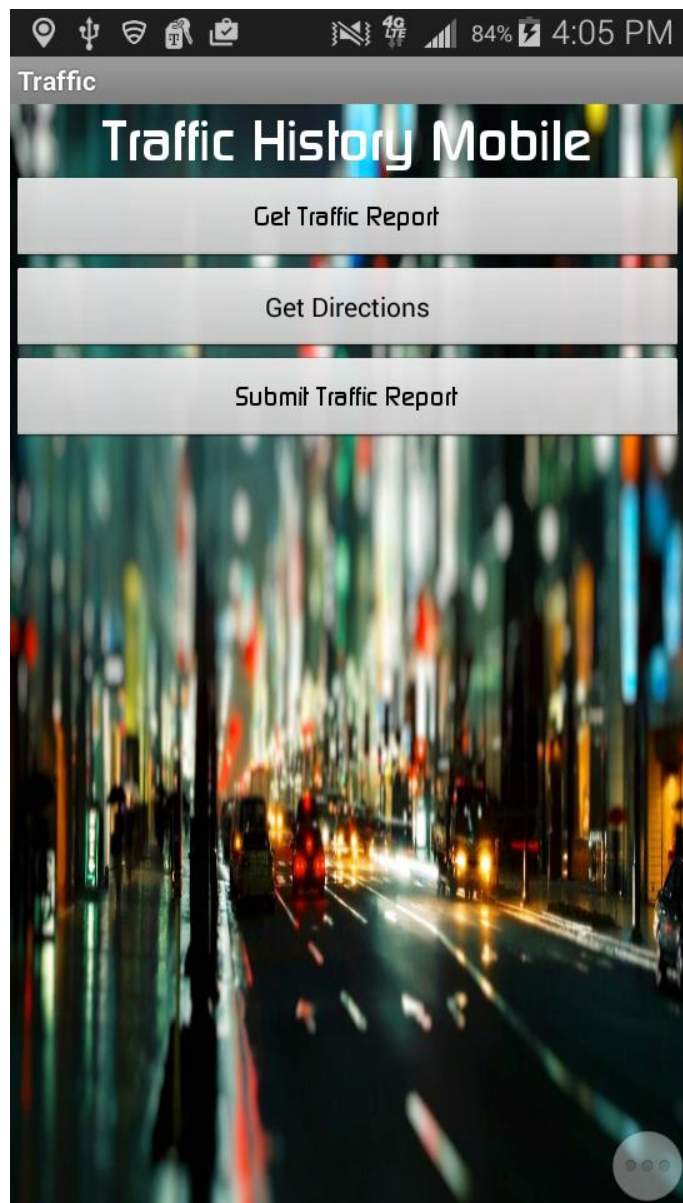


It is essential for there to be multiple platforms for users to access our traffic monitoring application. Our primary focus was to build the web based application and then move onto an Android based application. The web based application took the bulk of our time so we weren't able to focus too much of our time on the Android application. Still, we were able to make significant progress in the GUI of the app. However we still have yet to connect the database to the app, hence we couldn't run many integration related tests. When creating this app the cross platform issues we ran into were all time related. Converting our web based application to a different language proved to be a lot more time costly than originally anticipated. The GUI was essentially created from scratch on our Android application.

This is our home page. The user has the option to get a traffic report, get directions, and submit a traffic report. We make use of the android by allowing the app to use the phone's GPS to set the current location. Get traffic report will find traffic data for this current location. Get directions is simply a button that we have yet to implement. In the near future we hope to transform this app into a fully functioning GPS using our traffic data to find the fastest route. Submit traffic report allows users to submit information about traffic severity.



This is the Get Traffic Report page. On the right you the “bullseye” allows the user to automatically go to their current location on the map. Then the user can select a time period and weather type to get a traffic report. Once again, the app has not been connected to the database yet, so there is no traffic data seen on this image.

Traffic

Get Directions Submit Traffic Report

Frelinghuysen Rd Bartholomew Rd Campus Rd Sutphen Rd Mellars Ln (18)

Google HighPoint Solutions Stadium

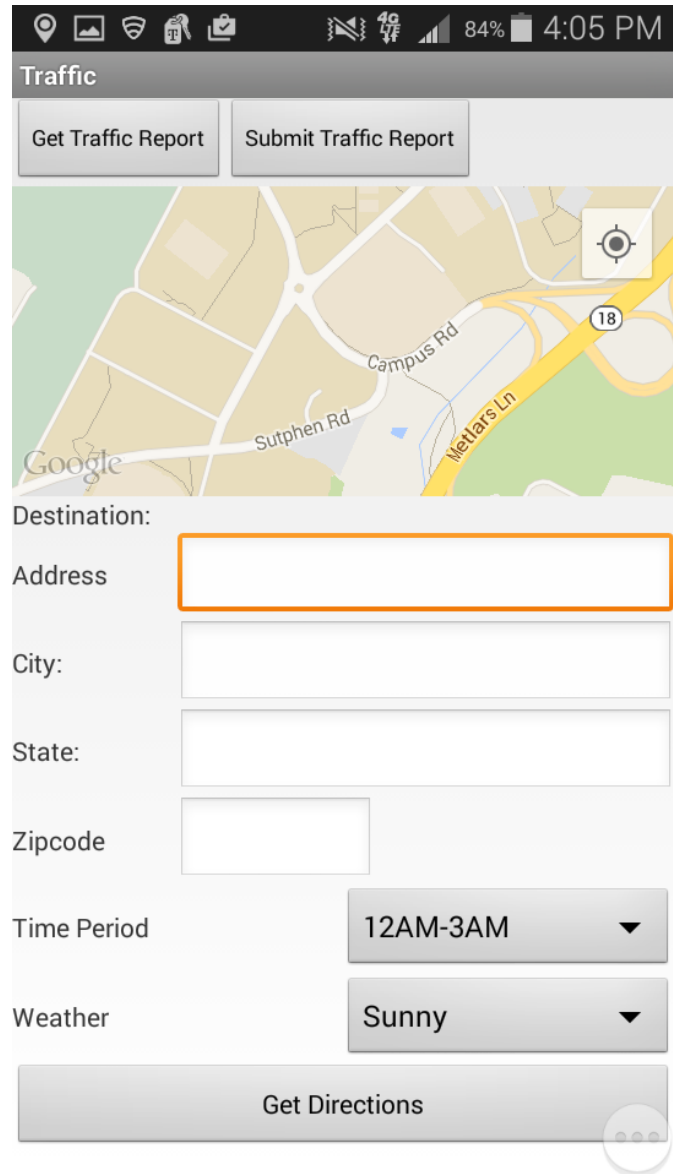
Time Period 12AM-3AM ▼

Weather Sunny ▼

Get Report

Severity : 1 (lowest) Severity : 2 (lower) Severity : 3 (median) Severity : 4 (higher) Severity : 5 (highest)

This is the Get Directions page. Once complete this page will allow the user to enter a destination and then a time period and weather type. Using all this information our application will find the fastest route to their destination and give an approximate time of arrival.



The screenshot shows a mobile application interface for getting directions. At the top, there is a status bar with various icons and the time 4:05 PM. Below the status bar is a header labeled "Traffic". Under the header are two buttons: "Get Traffic Report" and "Submit Traffic Report". Below these buttons is a map showing a street intersection with labels for "Campus Rd", "Sutphen Rd", and "Metlars Ln". A yellow line indicates a route on the map. Below the map is a section labeled "Destination:" with four input fields: "Address", "City:", "State:", and "Zipcode". The "Address" field is highlighted with an orange border. Below the input fields are two dropdown menus: "Time Period" with the selected value "12AM-3AM" and "Weather" with the selected value "Sunny". At the bottom is a large button labeled "Get Directions".

Traffic

Get Traffic Report Submit Traffic Report

Google Campus Rd Sutphen Rd Metlars Ln 18

Destination:

Address

City:

State:

Zipcode

Time Period 12AM-3AM ▼

Weather Sunny ▼

Get Directions

This is the Submit Traffic Report page. This page allows the user to submit traffic severity from 1 to 5. Their current location is used as the location when submitting this traffic report.

The screenshot shows a mobile application interface for submitting a traffic report. At the top, a status bar displays various icons including location, camera, Wi-Fi, cellular signal, and battery level (84%) at 4:05 PM. Below the status bar is a header labeled "Traffic". Two buttons, "Get Traffic Report" and "Get Directions", are positioned below the header. The main section is titled "Traffic Severity" and features five radio button options labeled 1 through 5. Option 1 is selected, indicated by a green dot. Below these options is a large "Submit Report" button. At the bottom of the screen, the current address is displayed: "Address: Rutgers-New Brunswick Campus Rd Piscataway Township, NJ 08854". A circular menu icon with three dots is located in the bottom right corner.

Traffic

Get Traffic Report Get Directions

Traffic Severity

☒ 1
☐ 2
☐ 3
☐ 4
☐ 5

Submit Report

Address:
Rutgers-New Brunswick
Campus Rd
Piscataway Township, NJ 08854