TrafficCity

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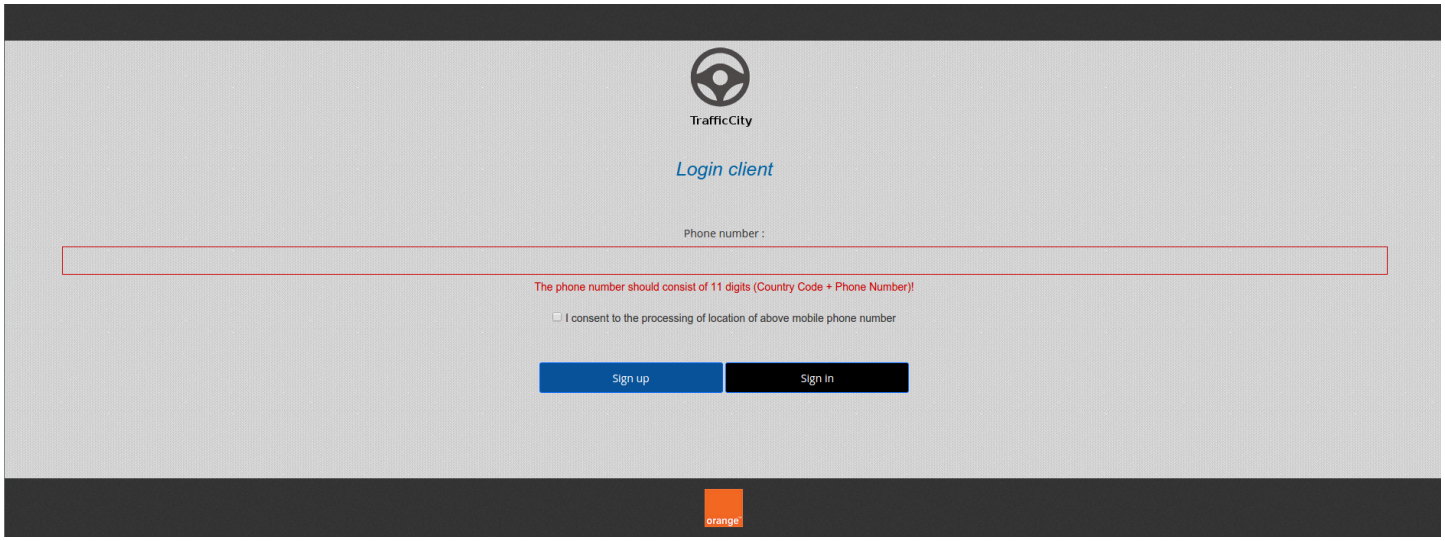
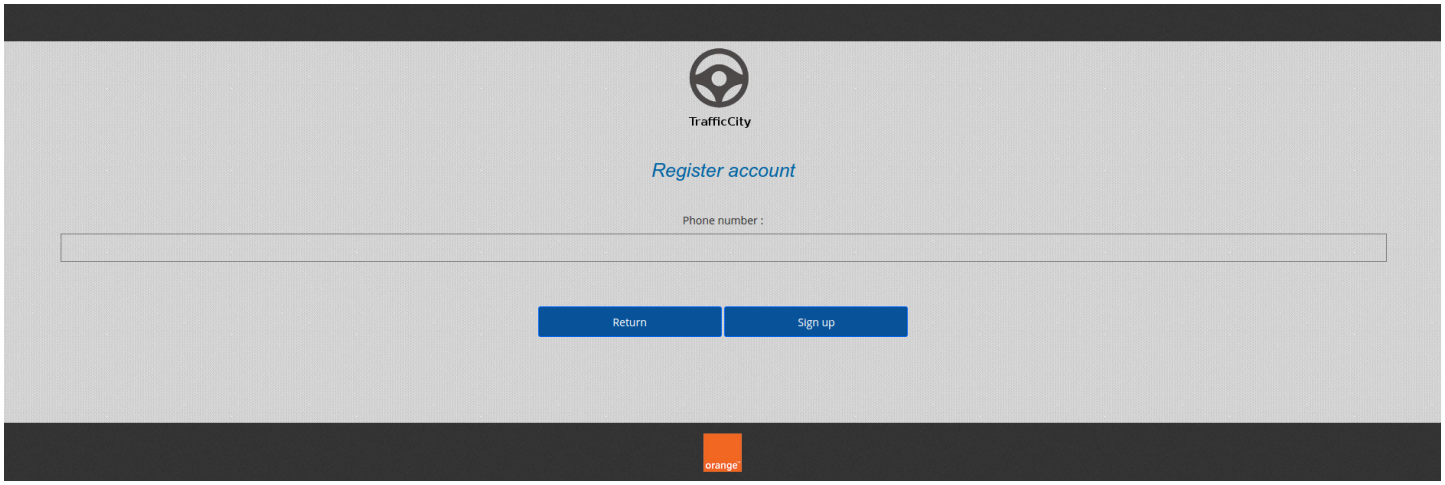
Warsaw 20.12.2014

Backend



Login screen

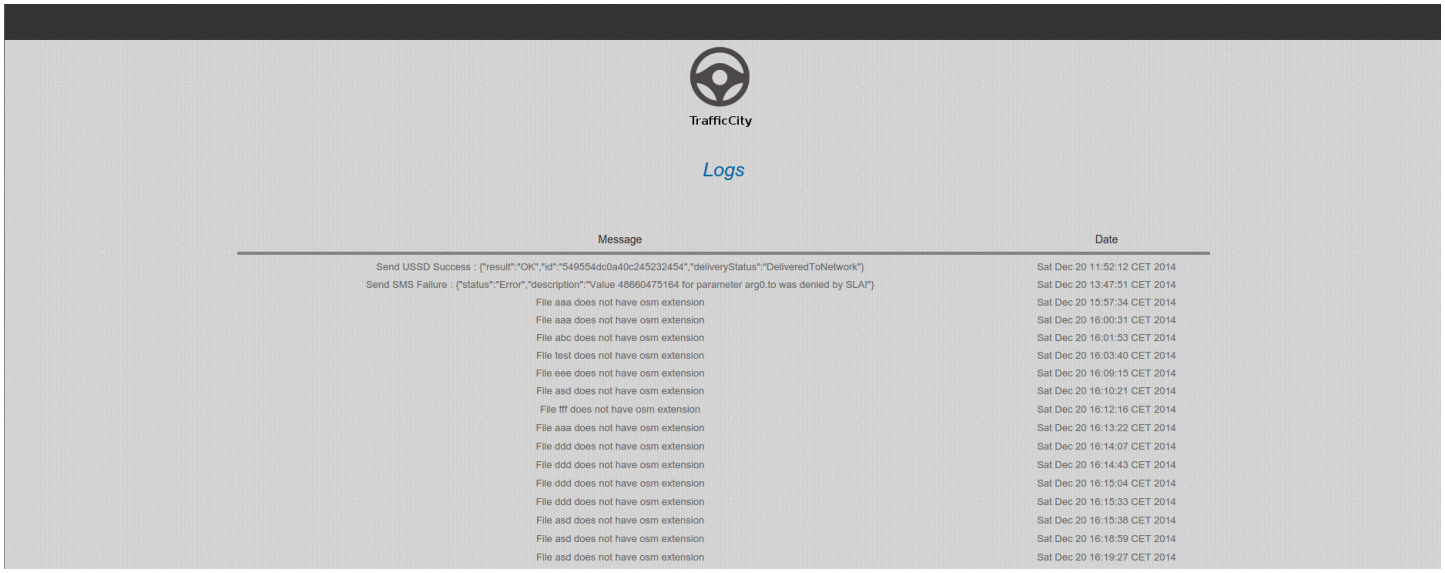


Registration screen

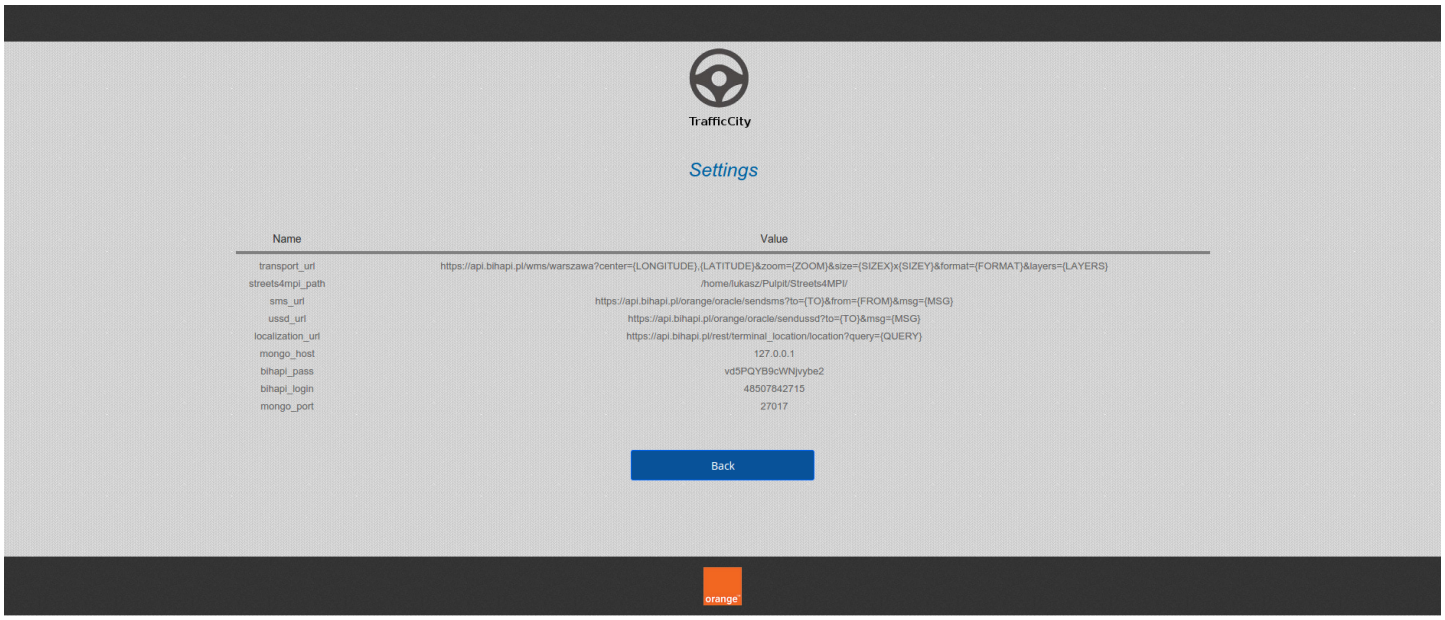
Dashboard

Dashboard if dedicated for logged in user. Options available :

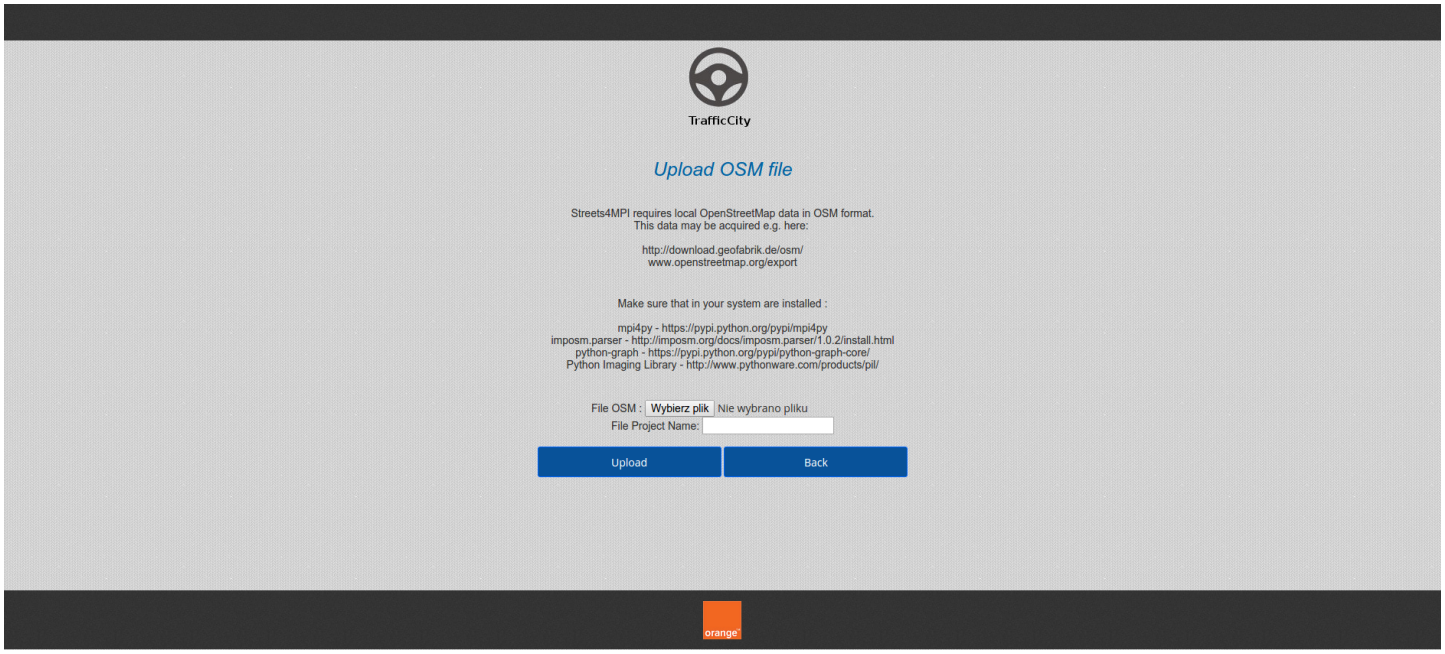
- Projects – list of projects in which are generated files related with Streets4MPI and HeatMaps showing incidence of creating traffic jams on specific area
- Markers – preview of markers defined by user using Android mobile application
- Upload OSM – uploading OSM files which contains data describing geographical area
- Settings – application settings (config.properties)
- Logs – application logs
- Return – exit from dashboard



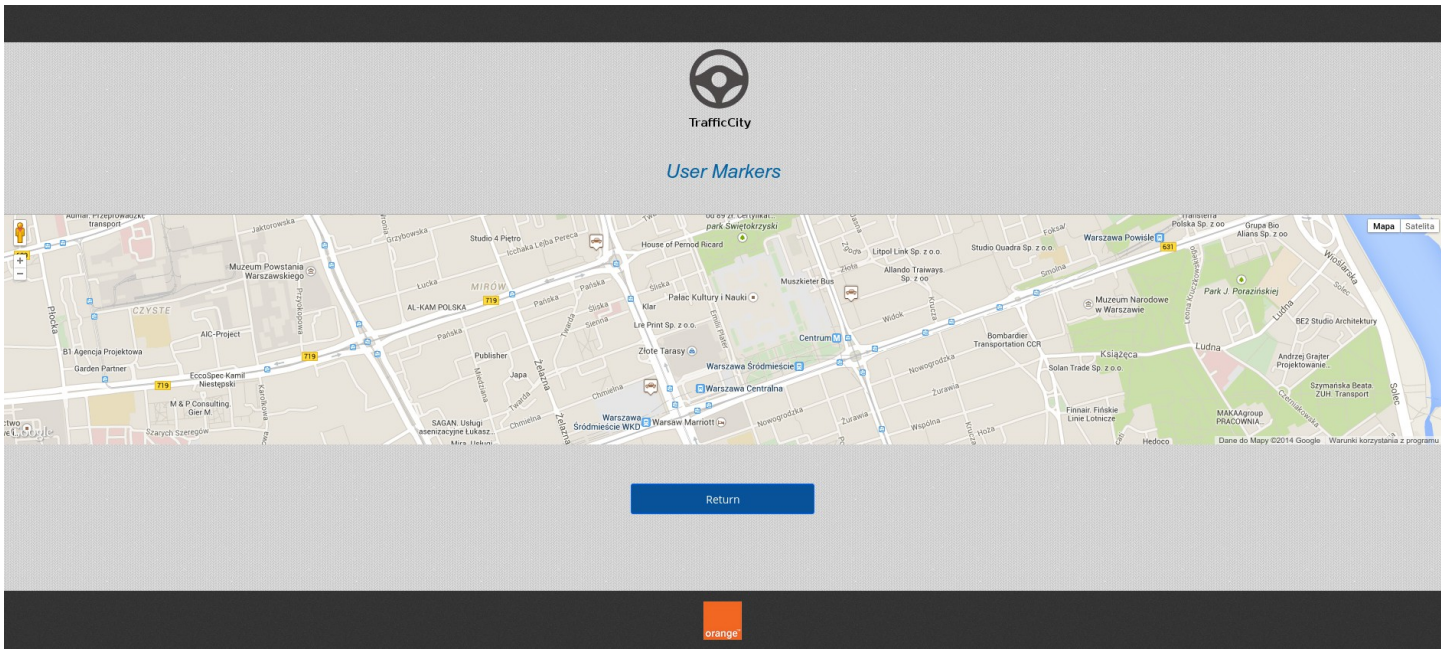
Application logs



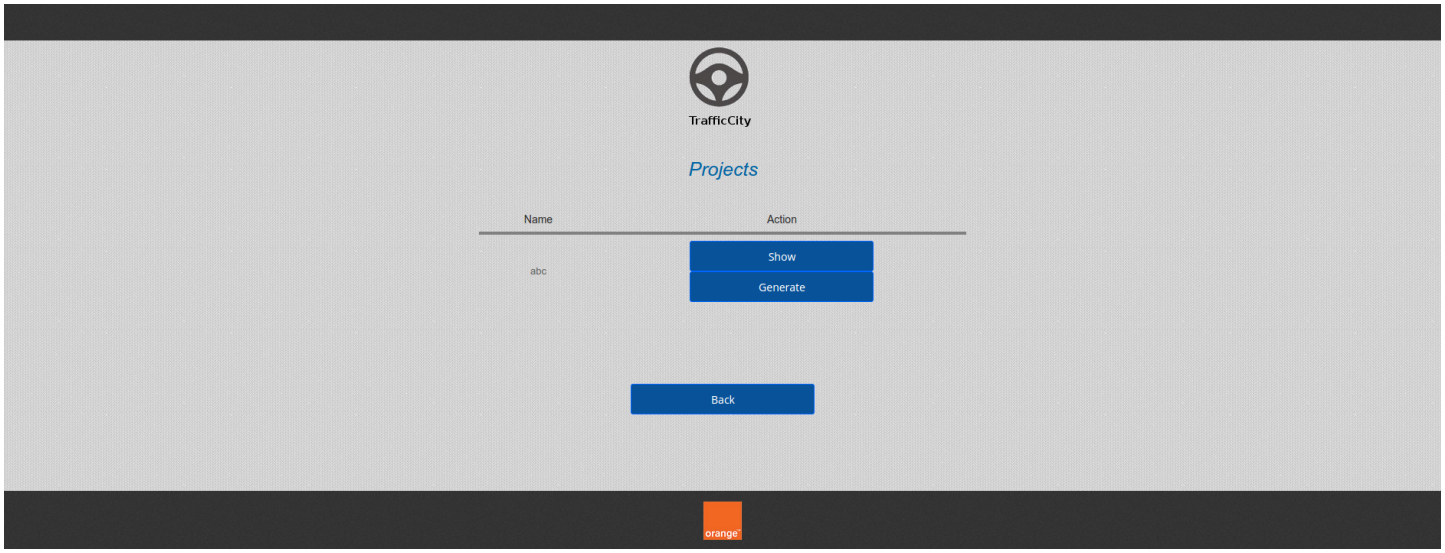
Application settings



Upload OSM files

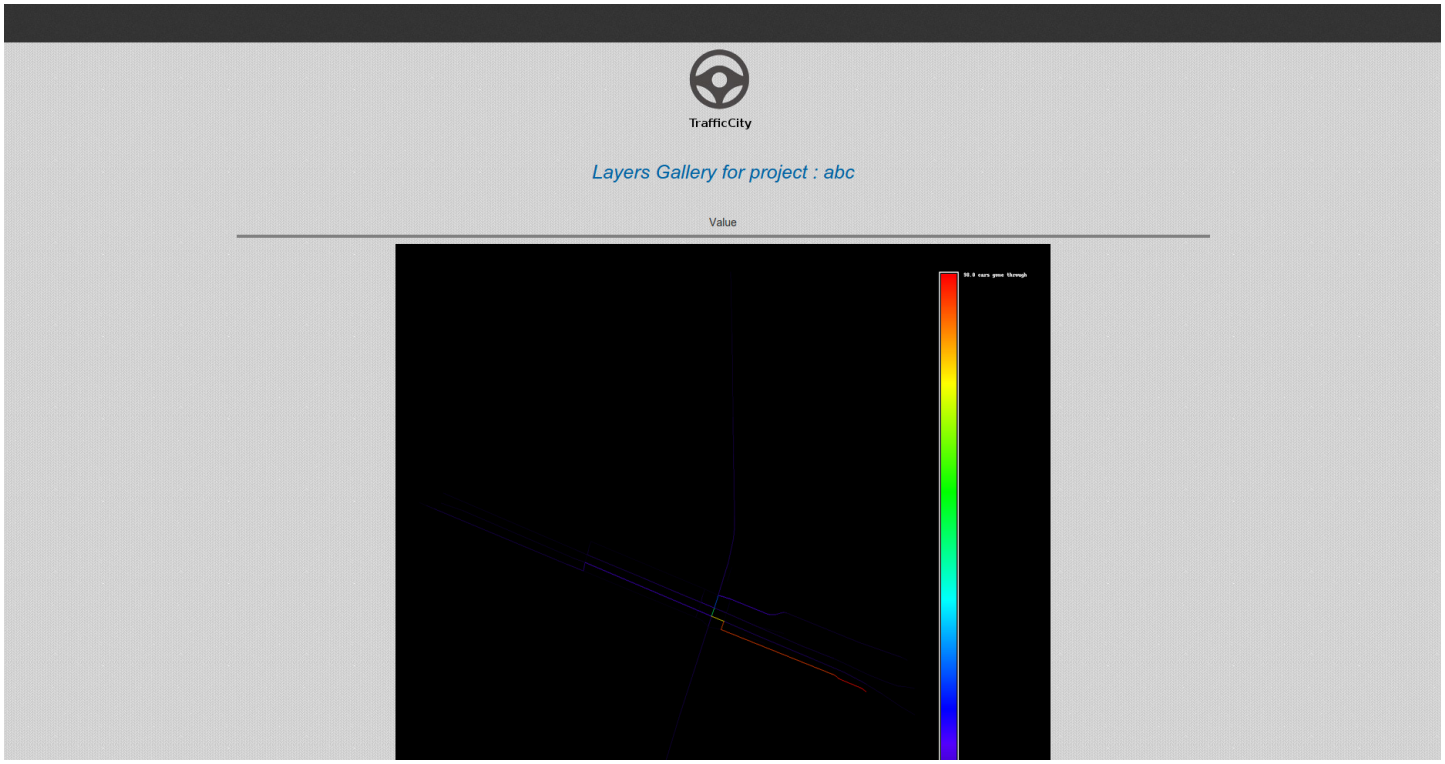


User markers



Projects

In “Projects” tab new projects are created after uploading correct OSM files.

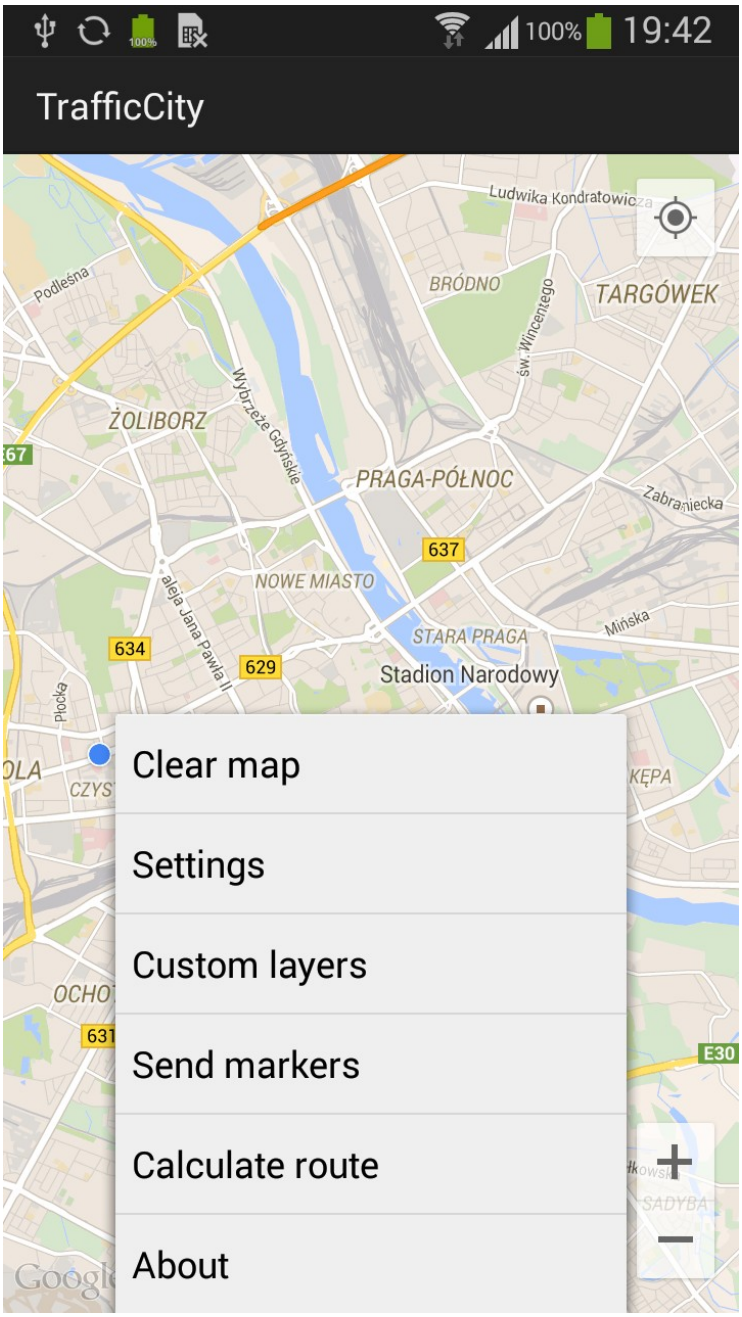


Heat Map

In “Gallery” tab you can browser HeatMaps which visualize places where traffic jam can appear.

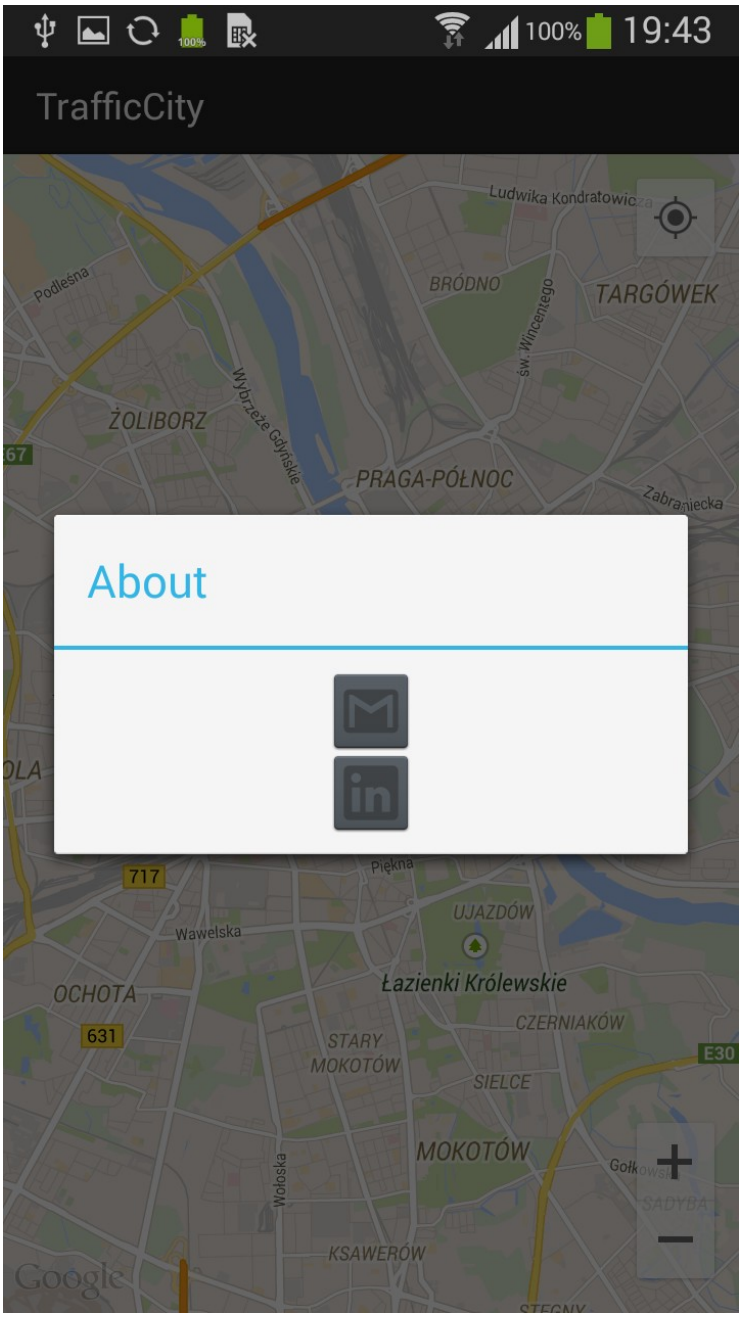
Android mobile application

Home screen of mobile application

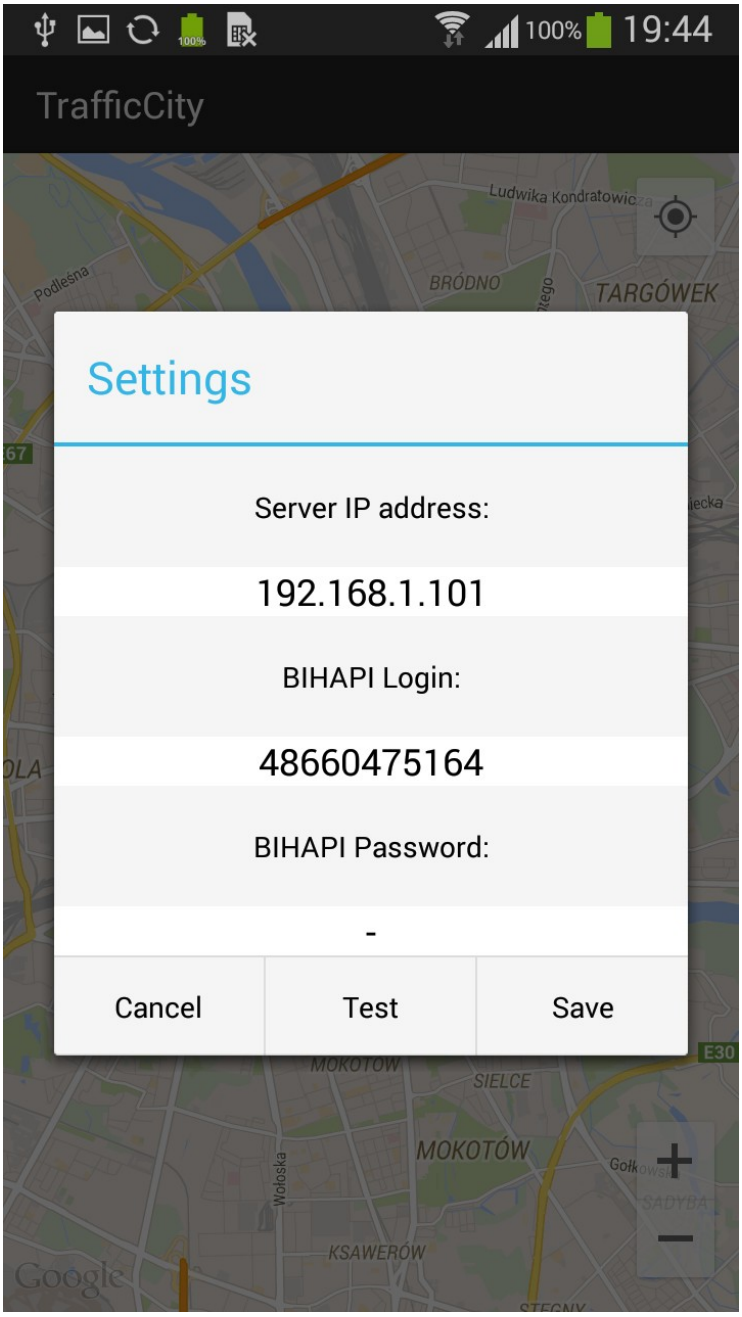


Application options

Clear map – deletes markers located on map and in database
Settings – application settings
Custom layers – custom layers which are delivered by Orange's Transport POI Maps API
Send markers – sends markers created by user to database
Calculate route – draws route based on user markers located on map
About – information about author



Information about application

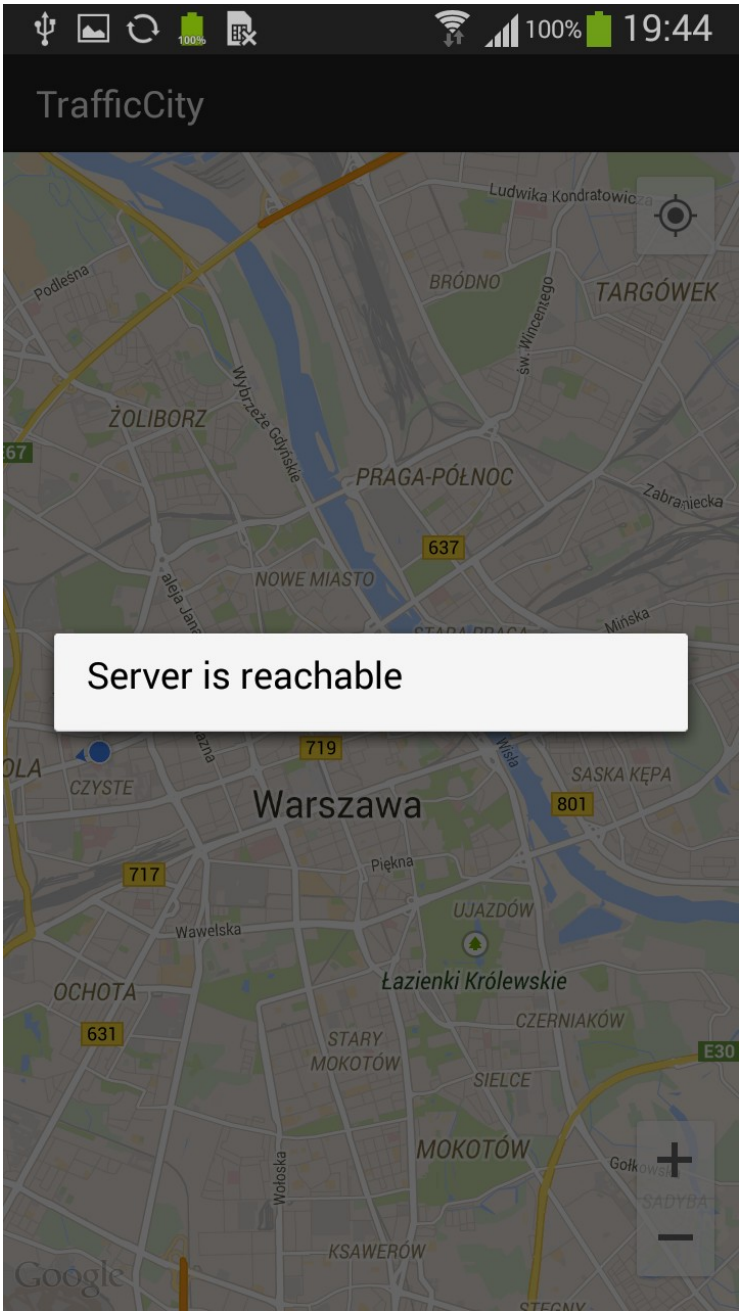


Application settings

In **„Server IP address”** section must be set IP address of application server JBoss AS, which configuration is stored in **standalone.xml** file. More information about configuration can be found in a separate documentation.

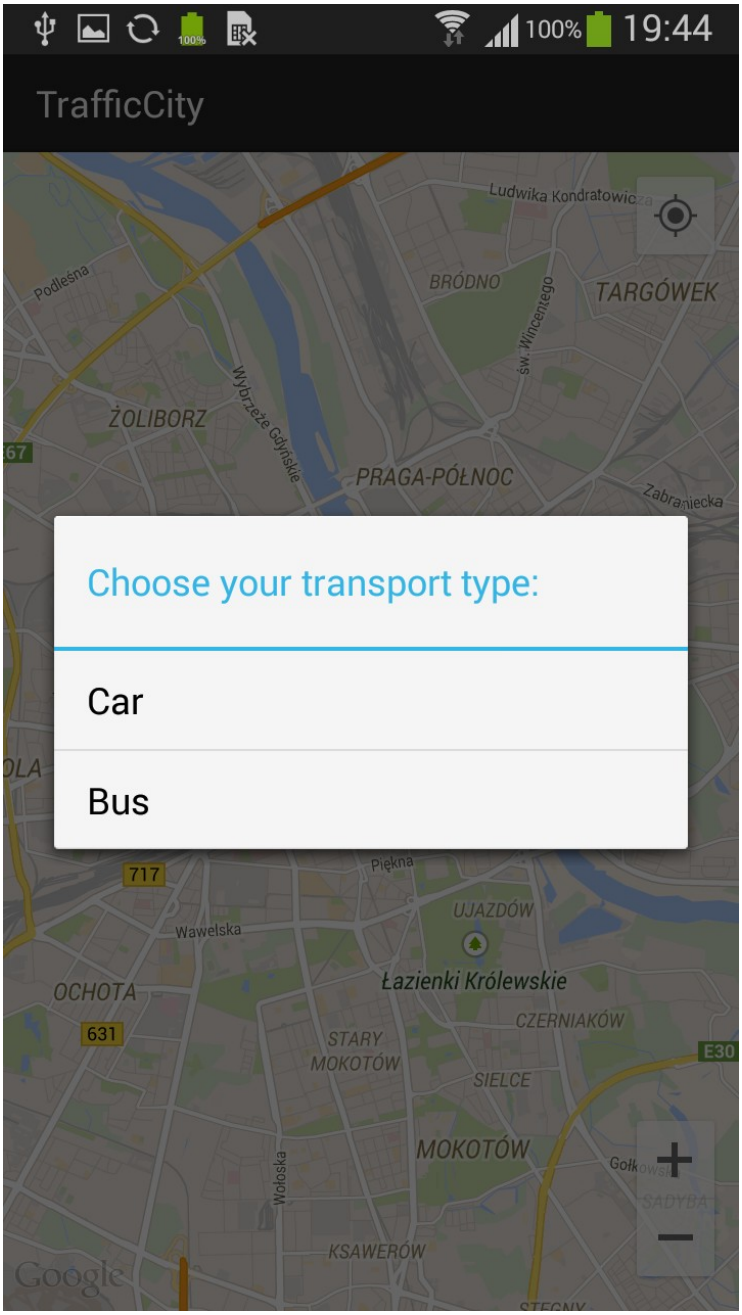
Sections **„BIHAPI Login”** and **„BIHAPI Password”** are used to set phone number and password dedicated to interfaces located at http://api.bihapi.pl.

User has the ability to test configuration using button **„Test”**, which checks if it's possible to connect to JBoss AS. Established connection is necessary to send/receive markers defined by user to/from server.



Application server is reachable

If after testing connection with server using “Test” button, you will see above message, you might be sure that Android mobile application can connect with JBoss AS and use rest functionalities of application.

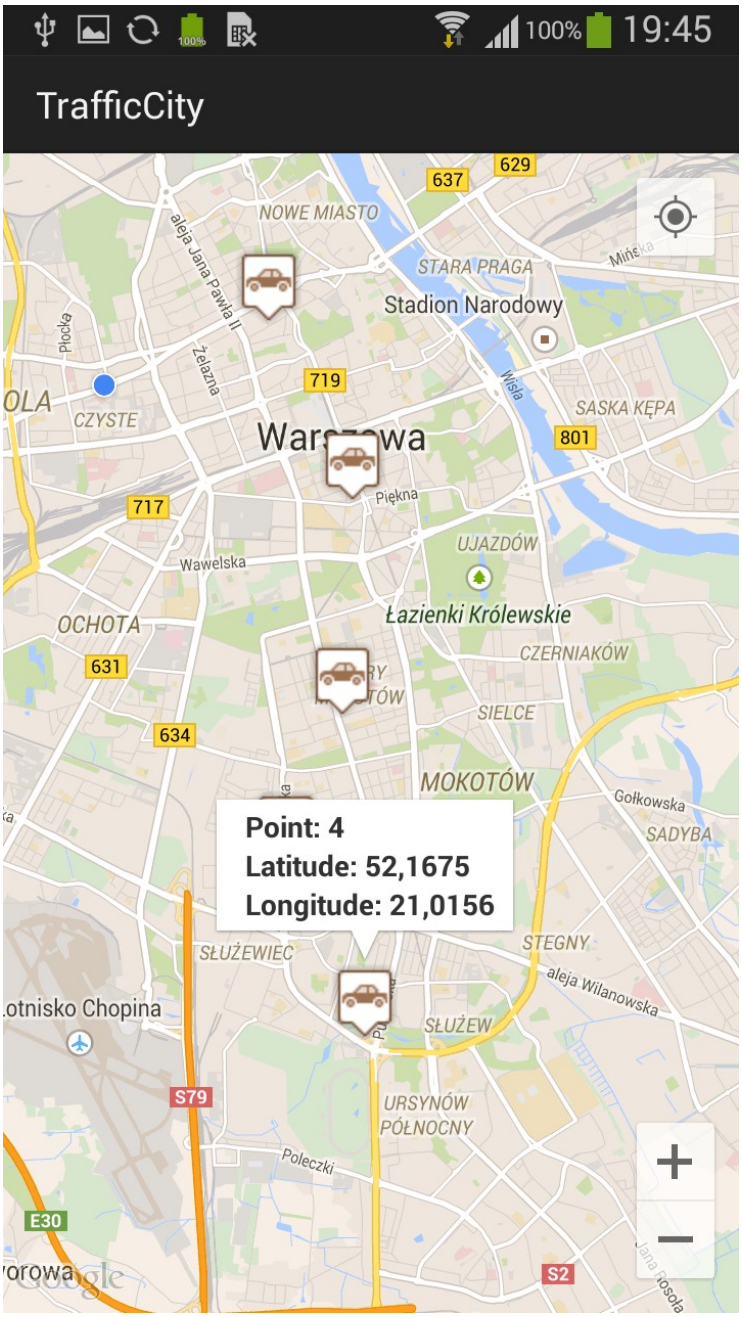


Choosing of transport type

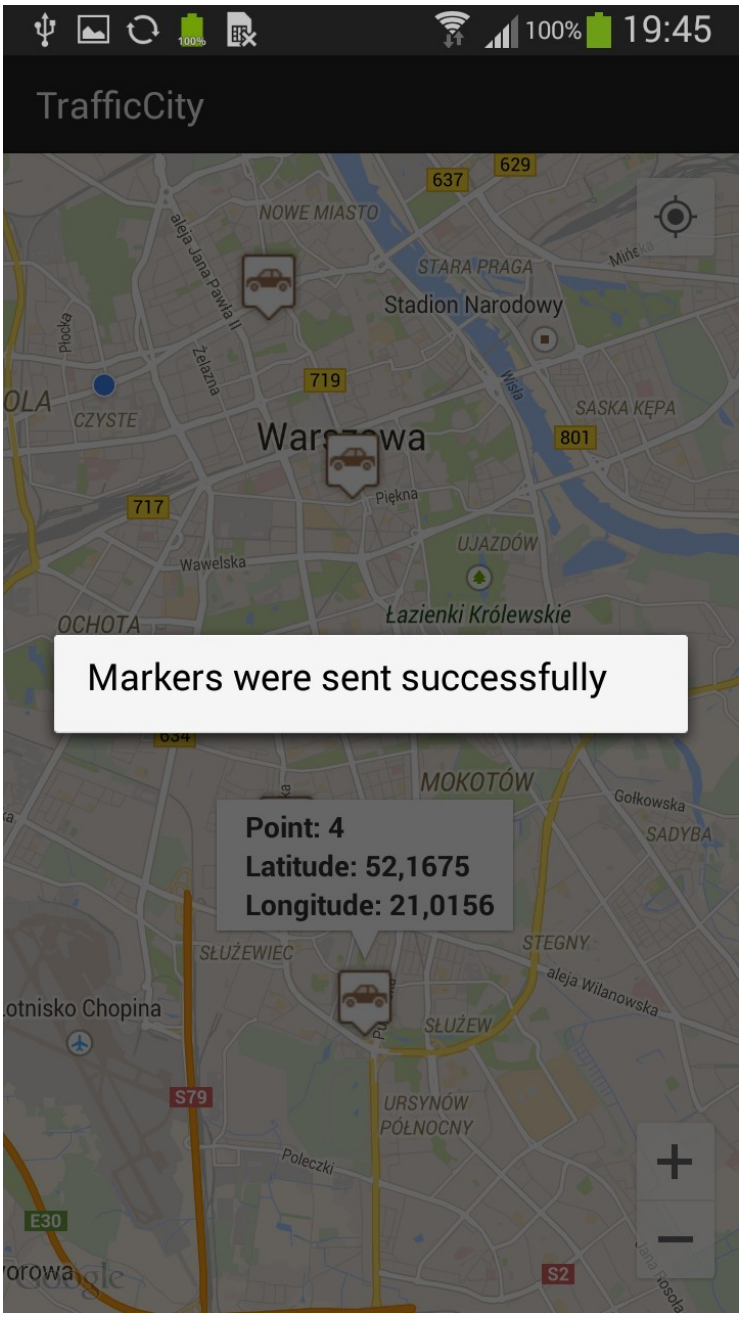
User can place markers on map through longer-click of interested area, which will be interpreted as waypoints of daily route traveled to work/school. Initially user must choose used transport type.

Starting point

Every waypoint is described by it's sequence during daily route traveled and by geographic coordinates (latitude and longitude).

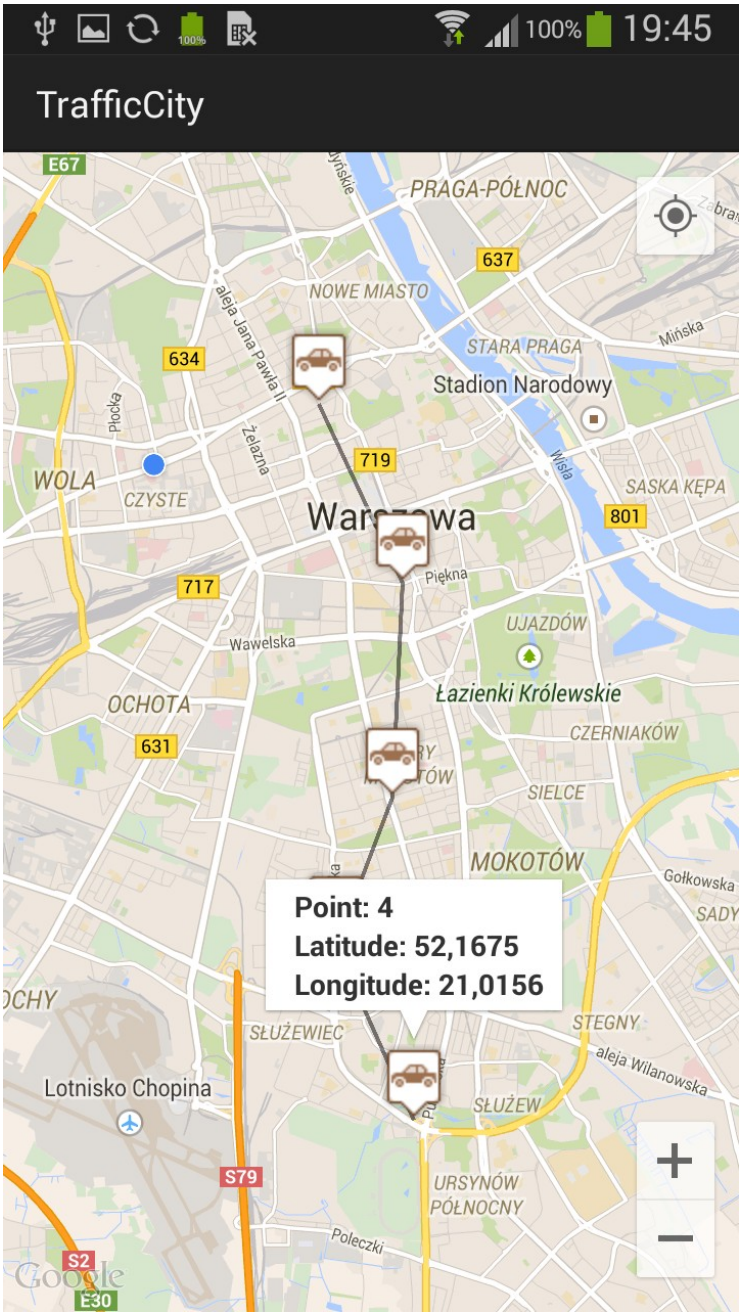


Waypoints of daily route traveled



Sending markers on server

User has possibility to send defined markers to server using option „Send markers”.



Daily route

User has possibility to char route based on defined markers using option „Calculate route”.