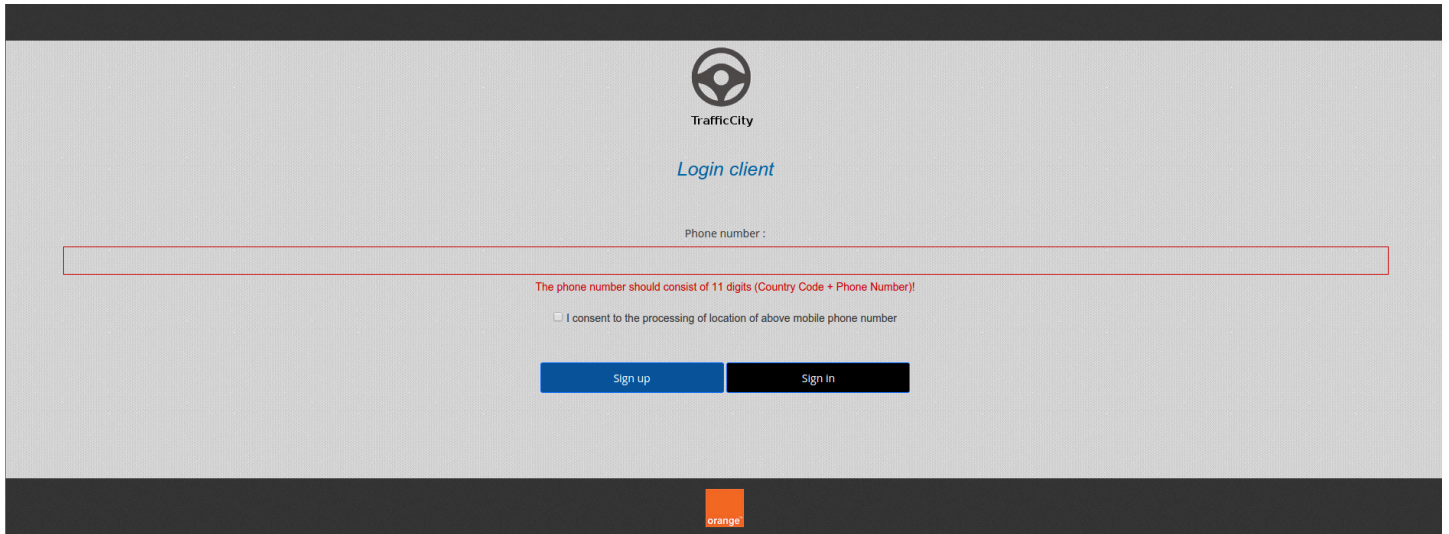


TrafficCity

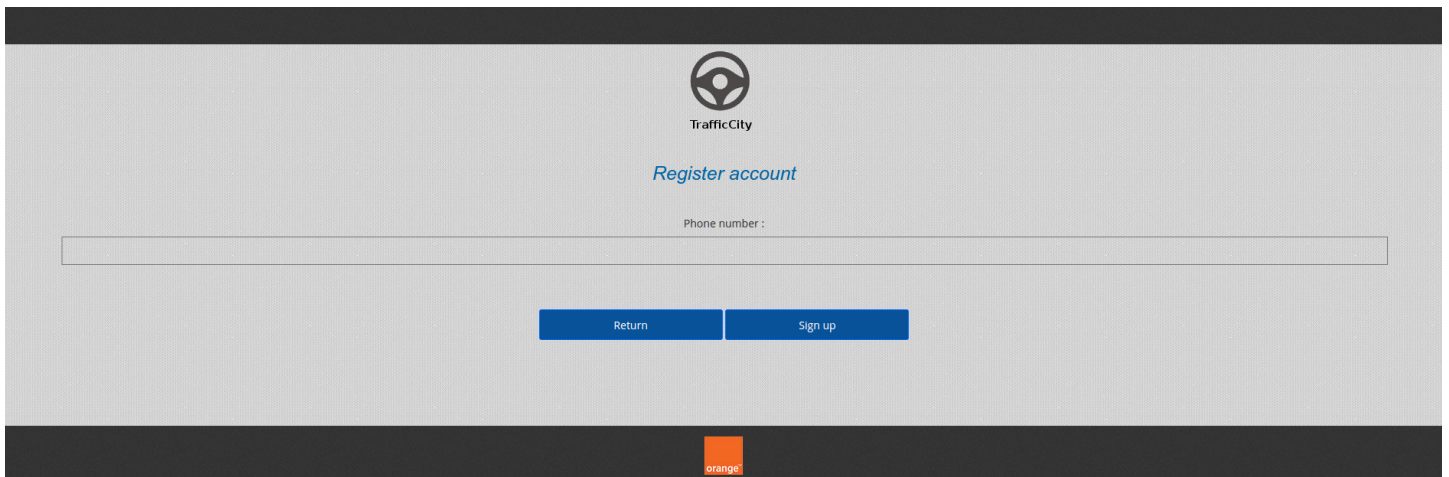
Łukasz Cieśluk
Warsaw 20.12.2014

Backend



The login screen features a dark grey header and footer. The header contains the TrafficCity logo, which consists of a steering wheel icon and the text "TrafficCity". Below the logo, the text "Login client" is displayed in a blue, italicized font. A text input field for the phone number is centered, with a red border and a red error message below it: "The phone number should consist of 11 digits (Country Code + Phone Number)". Below the input field, there is a checkbox with the text "I consent to the processing of location of above mobile phone number". At the bottom of the form, there are two buttons: a blue "Sign up" button and a black "Sign in" button. The footer contains the Orange logo, which is an orange square with the word "orange" in white.

Login screen



The registration screen features a dark grey header and footer. The header contains the TrafficCity logo, which consists of a steering wheel icon and the text "TrafficCity". Below the logo, the text "Register account" is displayed in a blue, italicized font. A text input field for the phone number is centered. Below the input field, there are two buttons: a blue "Return" button and a blue "Sign up" button. The footer contains the Orange logo, which is an orange square with the word "orange" in white.

Registration screen



Dashboard Client - 48660475164

- 🗑 Projects
- 🌐 Markers
- ⬆ Upload OSM
- ⚙ Settings
- 📄 Logs
- ⬅ Return



Dashboard

Dashboard is 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



Logs

Message	Date
Send USSD Success : {"result":"OK","id":"549554dc0a40c245232454","deliveryStatus":"DeliveredToNetwork"}	Sat Dec 20 11:52:12 CET 2014
Send SMS Failure : {"status":"Error","description":"Value 48660475164 for parameter arg0.to was denied by SLAI"}	Sat Dec 20 13:47:51 CET 2014
File aaa does not have osm extension	Sat Dec 20 15:57:34 CET 2014
File aaa does not have osm extension	Sat Dec 20 16:00:31 CET 2014
File abc does not have osm extension	Sat Dec 20 16:01:53 CET 2014
File test does not have osm extension	Sat Dec 20 16:03:40 CET 2014
File eee does not have osm extension	Sat Dec 20 16:09:15 CET 2014
File asd does not have osm extension	Sat Dec 20 16:10:21 CET 2014
File ft does not have osm extension	Sat Dec 20 16:12:16 CET 2014
File aaa does not have osm extension	Sat Dec 20 16:13:22 CET 2014
File ddd does not have osm extension	Sat Dec 20 16:14:07 CET 2014
File ddd does not have osm extension	Sat Dec 20 16:14:43 CET 2014
File ddd does not have osm extension	Sat Dec 20 16:15:04 CET 2014
File ddd does not have osm extension	Sat Dec 20 16:15:33 CET 2014
File asd does not have osm extension	Sat Dec 20 16:15:38 CET 2014
File asd does not have osm extension	Sat Dec 20 16:18:59 CET 2014
File asd does not have osm extension	Sat Dec 20 16:19:27 CET 2014

Application logs



Settings

Name	Value
transport_url	https://api.bihapi.pl/wms/warszawa?center=(LONGITUDE),(LATITUDE)&zoom=(ZOOM)&size=(SIZE)x(SIZE)&format=(FORMAT)&layers=(LAYERS)
streets4mpl_path	/home/lukasz/Pulpit/Streets4MPV
sms_url	https://api.bihapi.pl/orange/oracle/sendsms?to=(TO)&from=(FROM)&msg=(MSG)
ussd_url	https://api.bihapi.pl/orange/oracle/sendussd?to=(TO)&msg=(MSG)
localization_url	https://api.bihapi.pl/rest/terminal_location/location?query=(QUERY)
mongo_host	127.0.0.1
bihapi_pass	vd5PQYB9cWnJybe2
bihapi_login	48507842715
mongo_port	27017

Back



Application settings



Upload OSM file

Streets4MPI requires local OpenStreetMap data in OSM format.
This data may be acquired e.g. here:
<http://download.geofabrik.de/osm/>
www.openstreetmap.org/export

Make sure that in your system are installed :
mpi4py - <https://pypi.python.org/pypi/mpi4py>
imposm.parser - <http://imposm.org/docs/imposm.parser/1.0.2/install.html>
python-graph - <https://pypi.python.org/pypi/python-graph-core/>
Python Imaging Library - <http://www.pythonware.com/products/pil/>

File OSM : Nie wybrano pliku
File Project Name:

Upload

Back



Upload OSM files



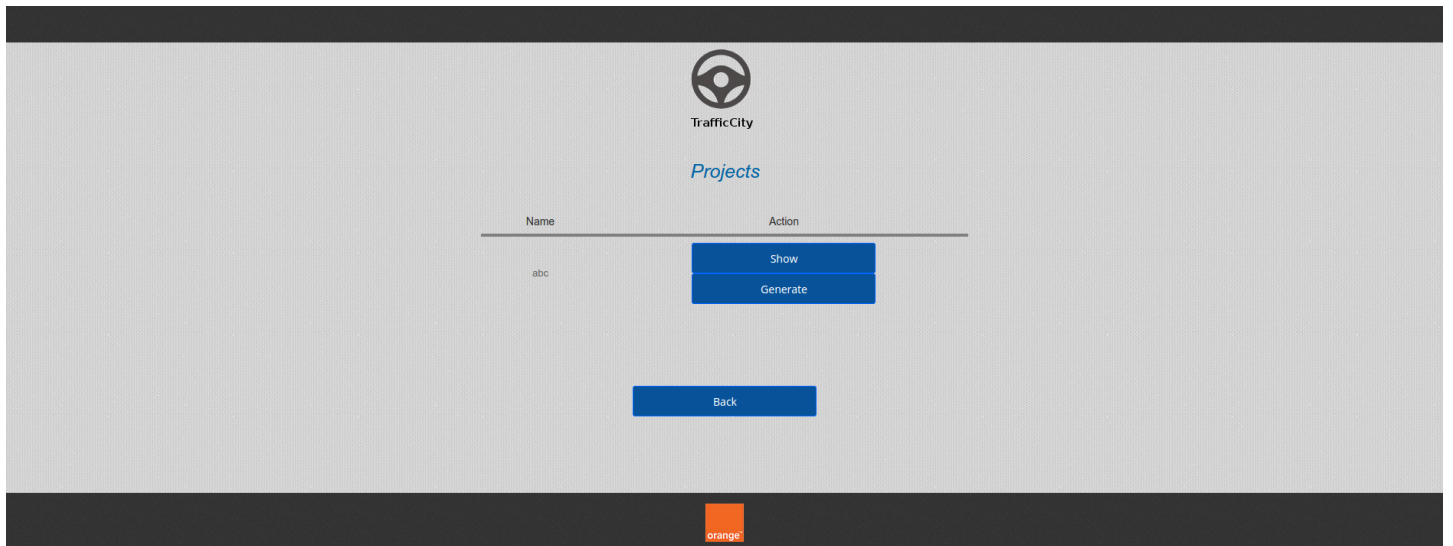
User Markers



Return

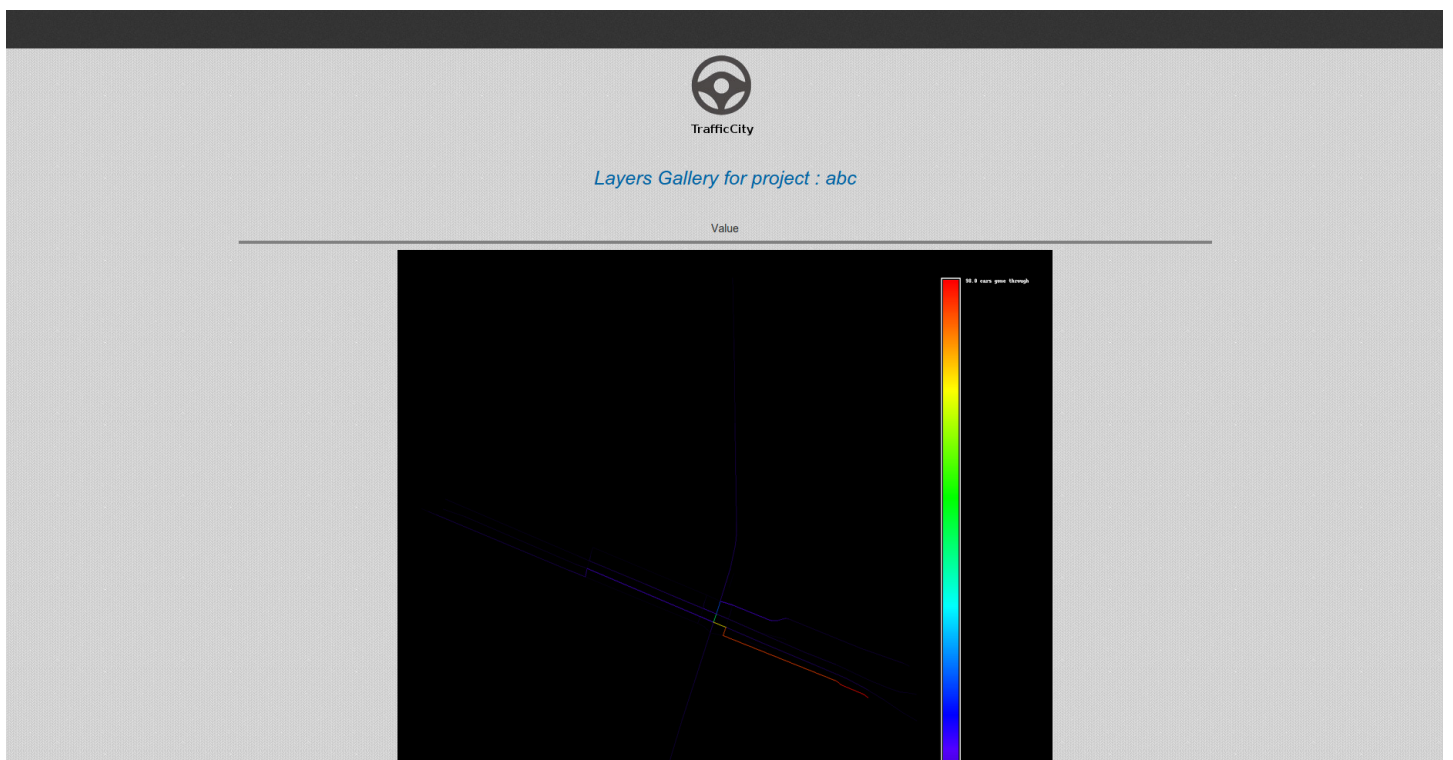


User markers



Projects

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



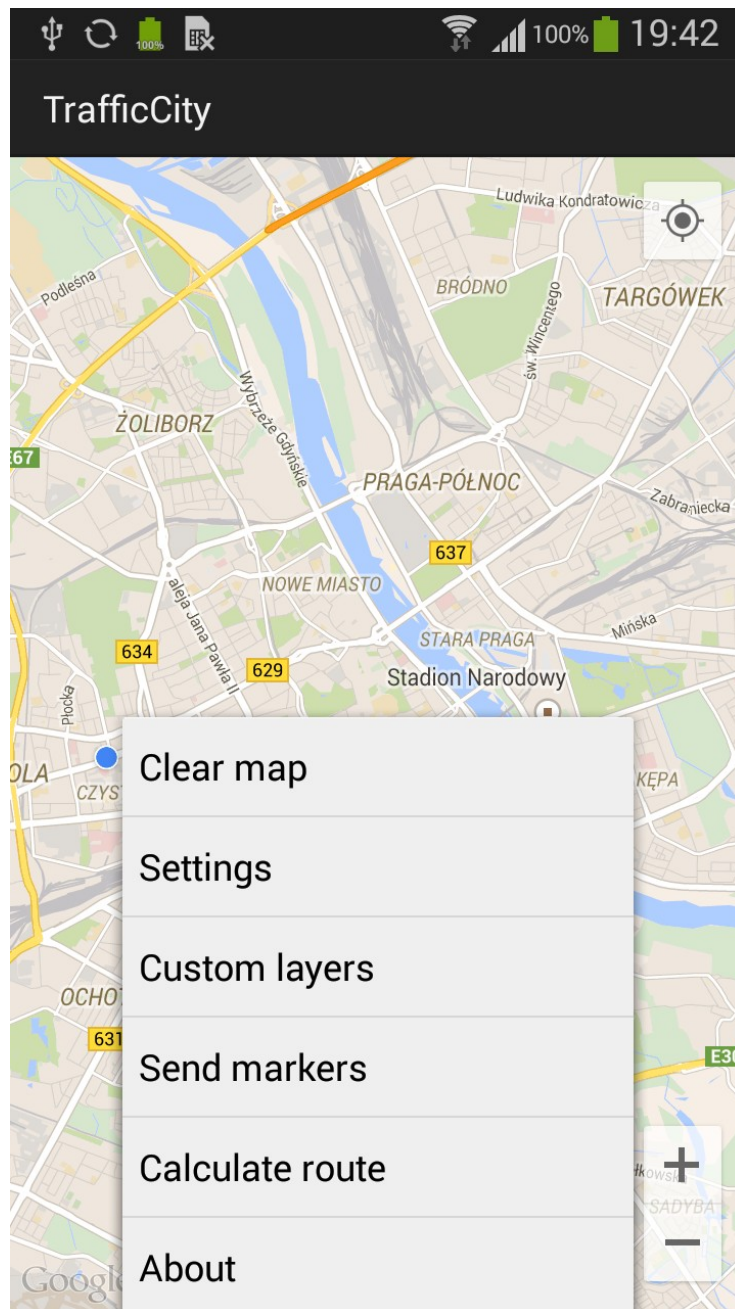
Heat Map

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

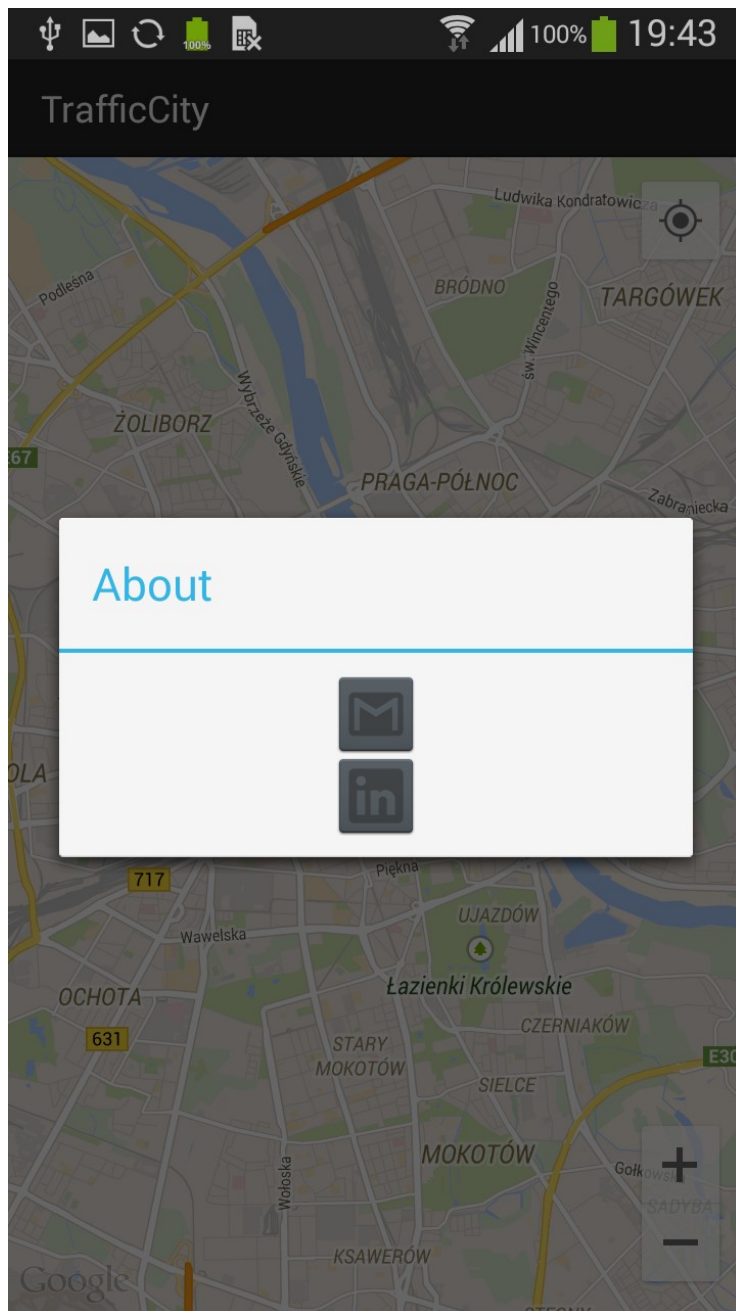
Settings – application settings

Custom layers – custom layers which are delivered by Orange's Transport POI Maps API

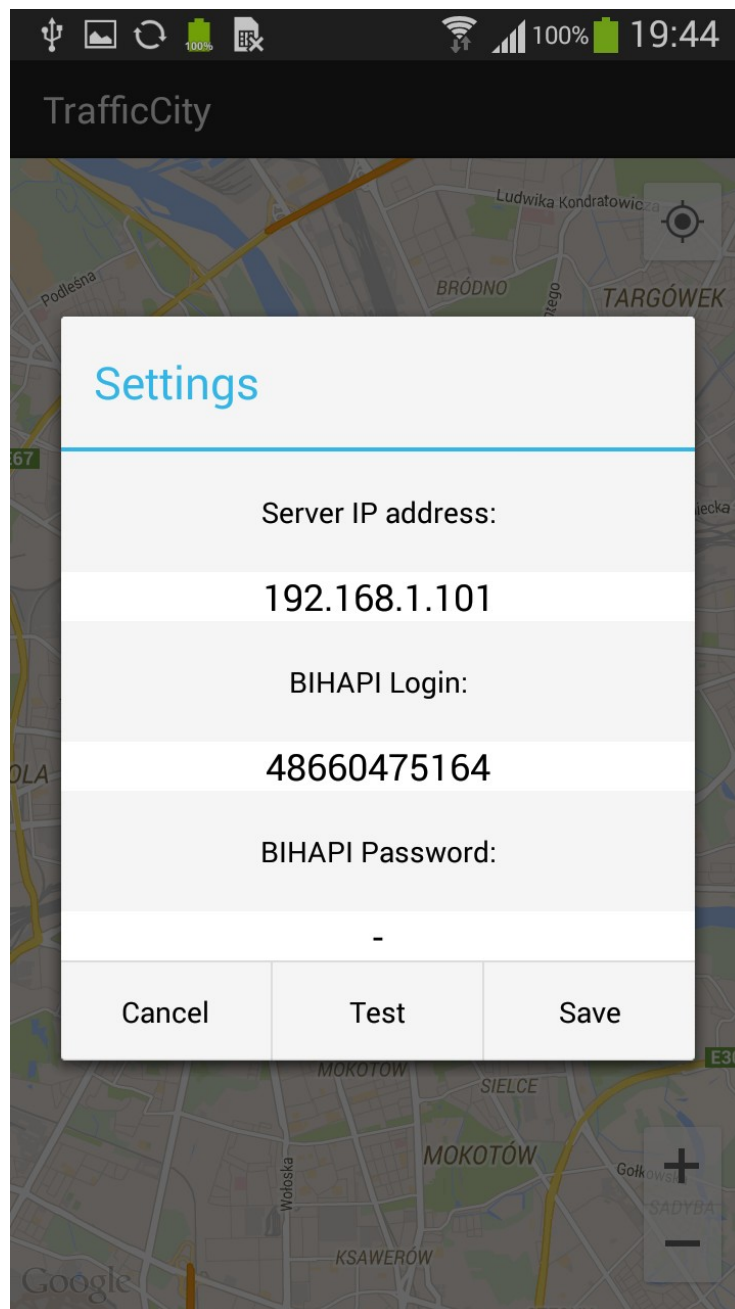
Send markers – sends markers created by user to database

Calculate route – draws route based on user markers located on map

About – information about author



Information about application

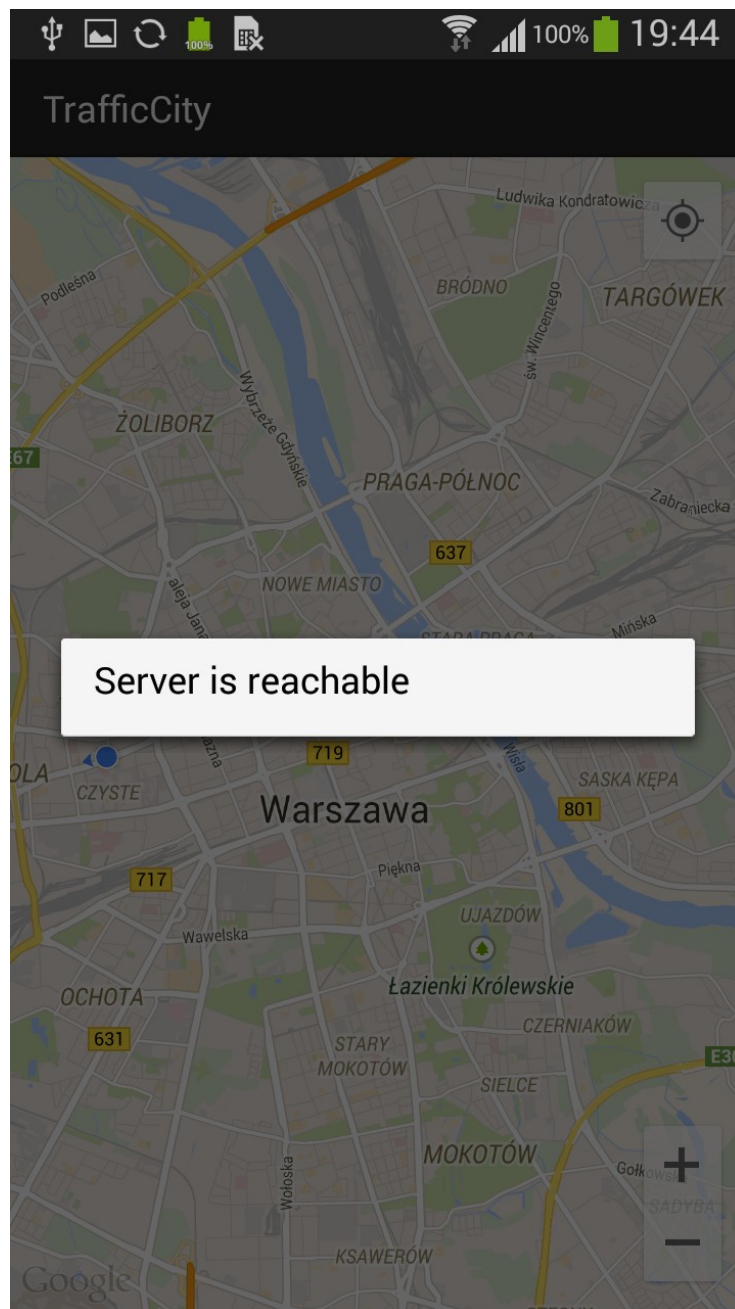


Application settings

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.

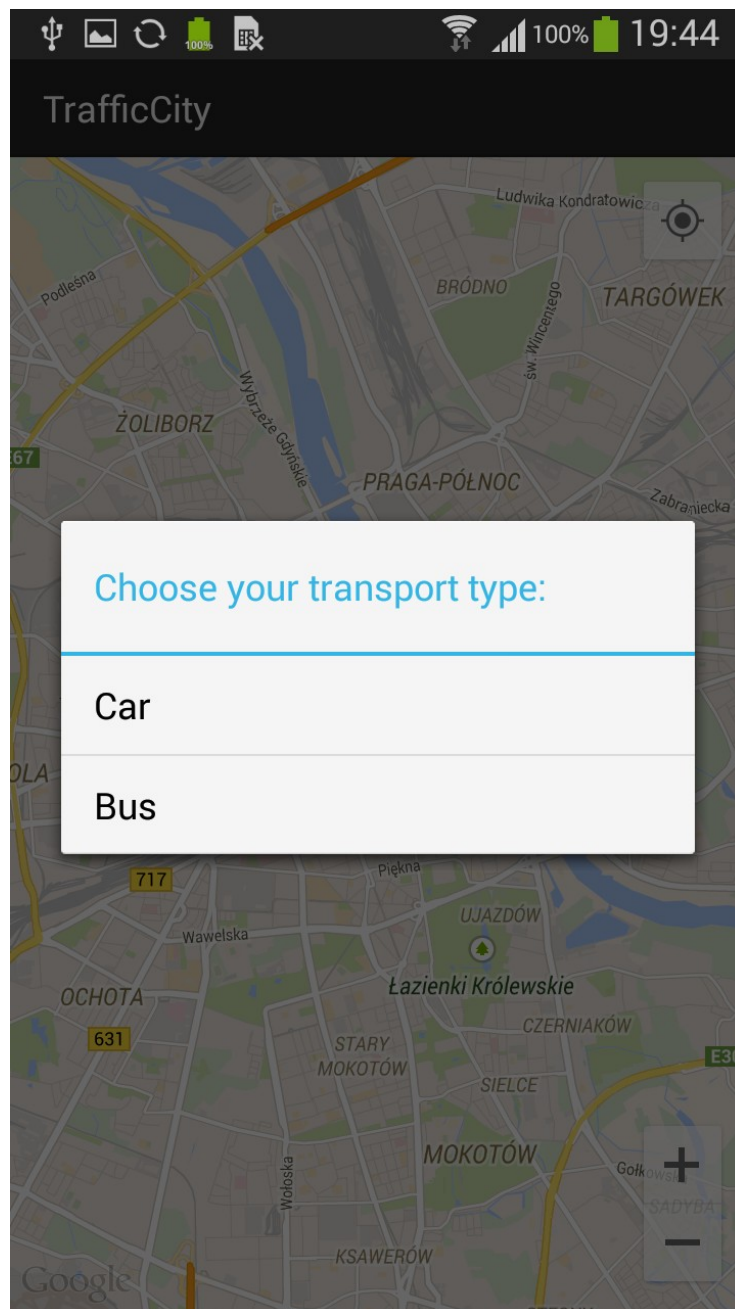
Sections „**BIHAPI Login**” and „**BIHAPI Password**” are used to set phone number and password dedicated to interfaces located at <http://api.bihapi.pl>.

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.

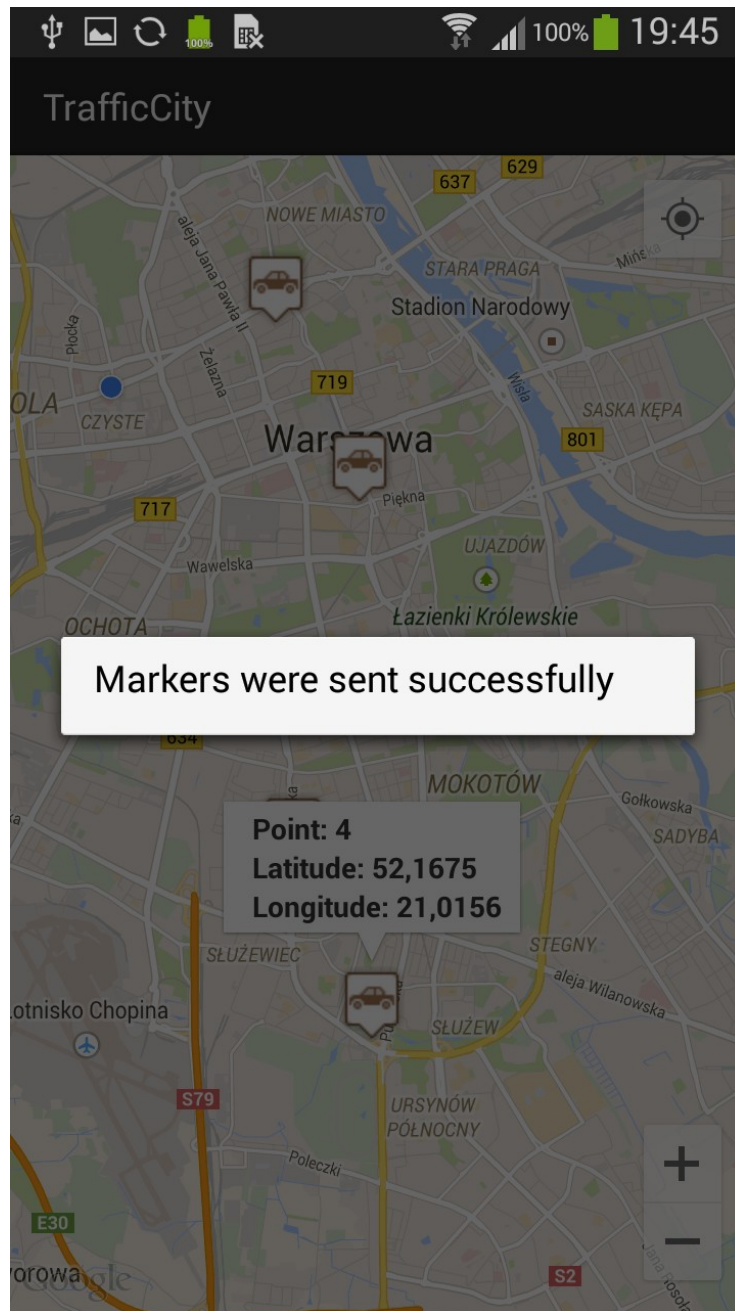


Starting point

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

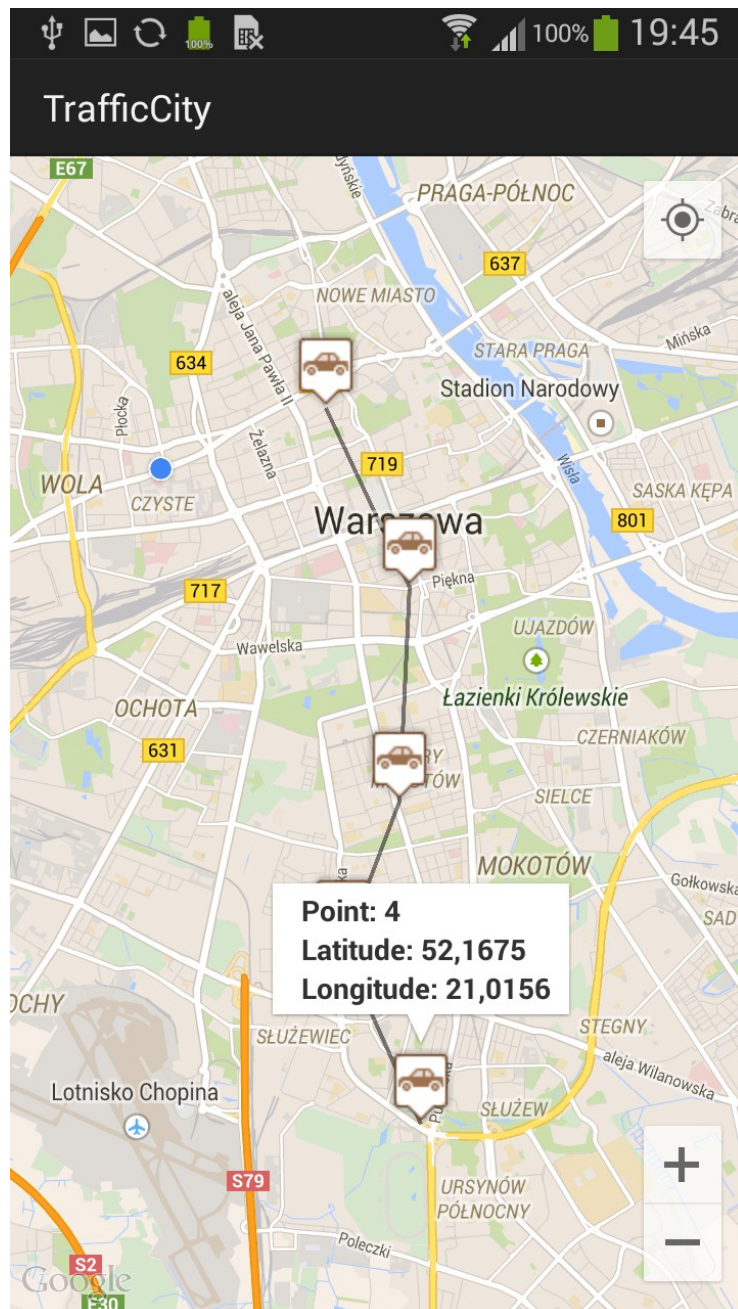


Waypoints of daily route traveled



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”.