Important notes

Configure services

To run app the following services should be turned on

API	⌄ Запросы
🟧 Google Maps Android API	1 787
🟪 Google Places API for Android	1 767
🟩 Token Service API	273
🟩 Identity Toolkit API	102

We need two keys to run services

1. Google Maps API key. Put it in manifest file

```
<meta-data
    android:name="com.google.android.geo.API_KEY"
    android:value="AIzaSyBo0FyiHD            D9GPil0slCPGsOw" />
```

2. Web client key

Web client (auto created by Google Service)	18 авг. 2017 г.	Веб-приложение	994450542296- bggug542af6dssih2m.apps.googleusercontent.com

Put web client key into keystore.properties file in format

WebClientId=**"994450542296-cnp3qee96s737.........2af6dssih2m.apps.googleusercontent.com"**

Configure Firebase

You don't need to create any structure in db before first run. Just configure

1. Google as authentication provider
2. Configure SHA control sums
3. Create google-services.json file and put it into app root

Release notes

1. Just follow Capstone Stage 1 document. Basic functionality should be the same, some screens could be different.
2. Settings are refreshing immediately after changes on all devices of the group
3. You could turn on simulation mode when random path will be generated for every member of group. In this case geofencing is not working
4. Try to load applied test track and see route and location changes
5. You could see location changes of every member of group in real time
6. After last emulator update, I have some issues with geofencing. To solve them, set location mode to high accuracy, device only mode will not work (Nexus-5x_api_26)
7. Be sure that phone numbers are identical when
   a. User 1 invites User 2 and choose him from phone contact list
   b. User 2 runs app for the first time and specify phone number

8. If you will use some google accounts with associated phone number, the app will try to detect this number
9. Location services will not restart after device reboot
10. Location accuracy in settings not implemented