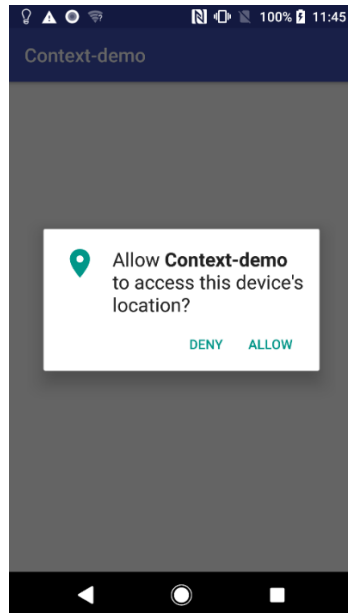


User Instruction of Context Detection Application

1. Installation requirement

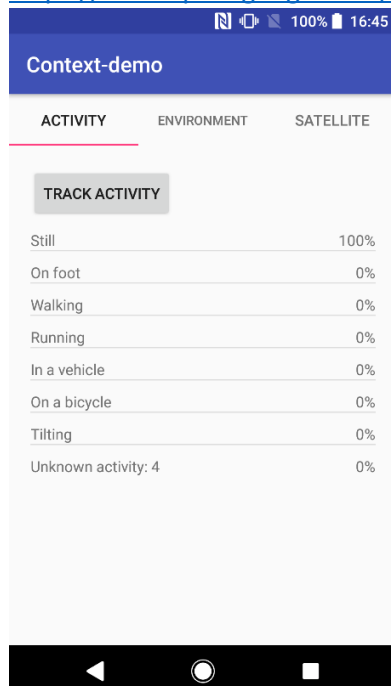
- Operating system: Android 8.0 or higher
- The smartphone GNSS module should be able to receive GPS and GLONASS signals.
- Please allow the application to access location information when opening the app for the first time.



2. Activity tracking

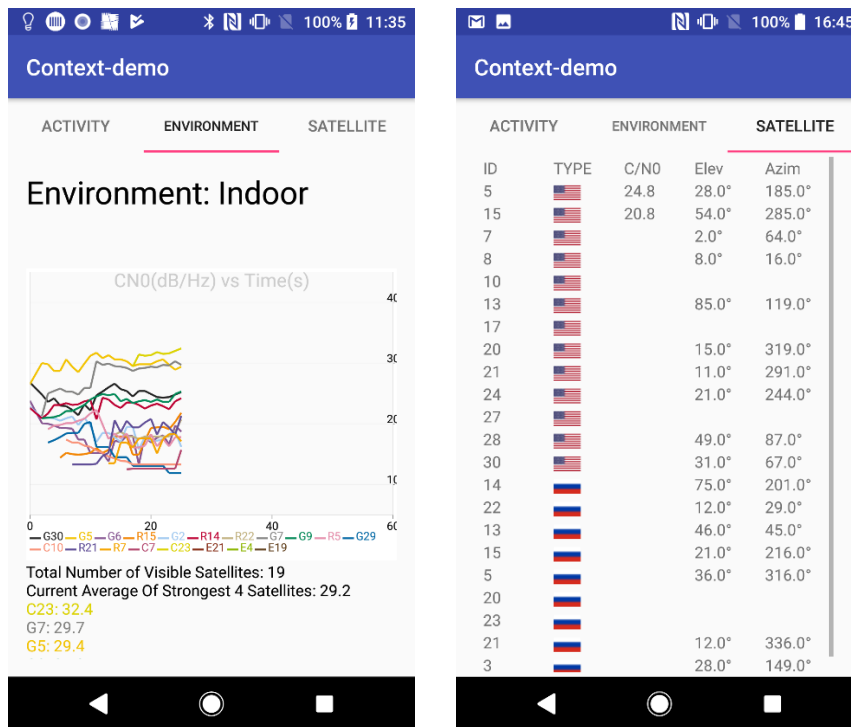
- To start activity tracking, press the button "TRACK ACTIVITY" on the activity page.
- The recognised user activities are provided via Google Activity Recognition API. There might be some detection time delays (~ 30 seconds) after transiting to a new activity. For details, please refer to following introduction.

<https://developers.google.com/location-context/activity-recognition/>



3. Environment detection

- The environment page provides environment detection results (indoor, outdoor or intermediate) and real-time display of satellite C/N0 values.
- The satellite page provides the real-time information of all received satellites, including constellation type, C/N0, elevation and azimuth.



4. Source Code

The code source is maintained on GitHub (<https://github.com/Zidane-Han/Context-Detection-APP>), under the Apache License. The apk file for installation and user instruction can also be found on the above GitHub link. The project is built on Android Studio. Welcome to any improvement suggestion or pull request.