

Application's Functionality

1. Background service

- Revives every (30 seconds), looks for any possible new location information.
- If a last known location API call meets the requirements then it continues with that.
- Else it looks for a new location (Would not trigger before movement.)
- Once done, it kills itself.
- Broadcasts proximity and location updates for front-end to reflect the data.
- Creates notification.
- Runs even without the application running and revives itself if killed (100% uptime).

2. Front-end (All options are in contextual menu.)

- Gets location information by subscribing to background service's intent.
- Shows location of the user along with the nearby points of interest.
- Allows to get route from current location to the selected location (click on the annotation opens google map with information).
- Allows adding multiple points of interest along with distance information.
- Adding new points through long pressing on map to select a position with a slider to set notification radius.
- Proximity shown and updated periodically through notifications.

[Import Google Play into workspace and add it as a library in the project.]

[Requires Google Play Installed, Tested on Nexus 5, Android Version 4.4]



