FriendsTrackerWorldwide FTW

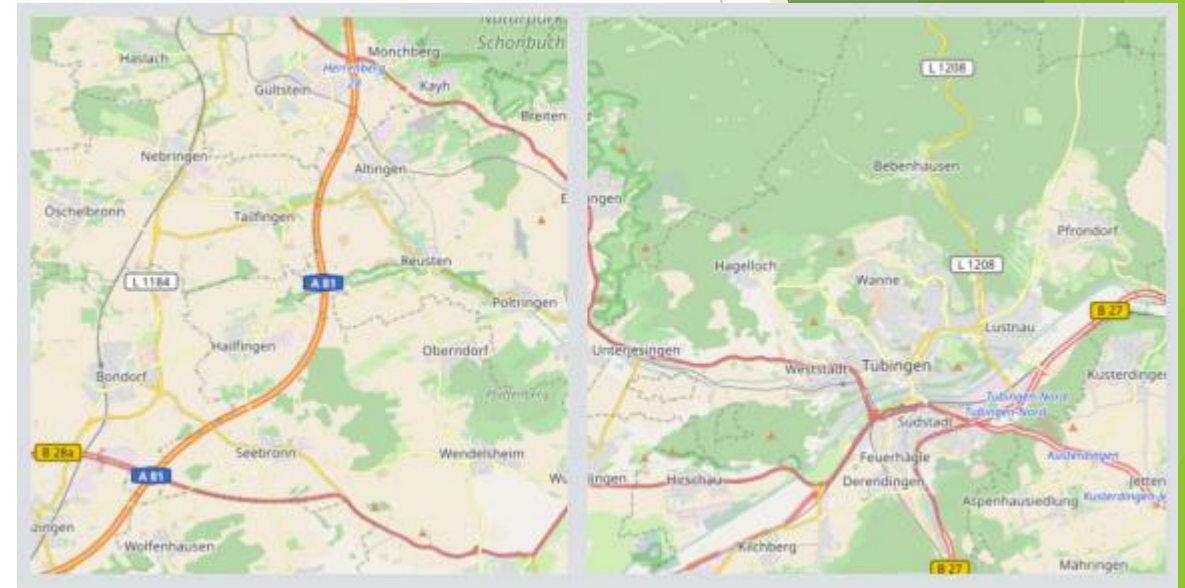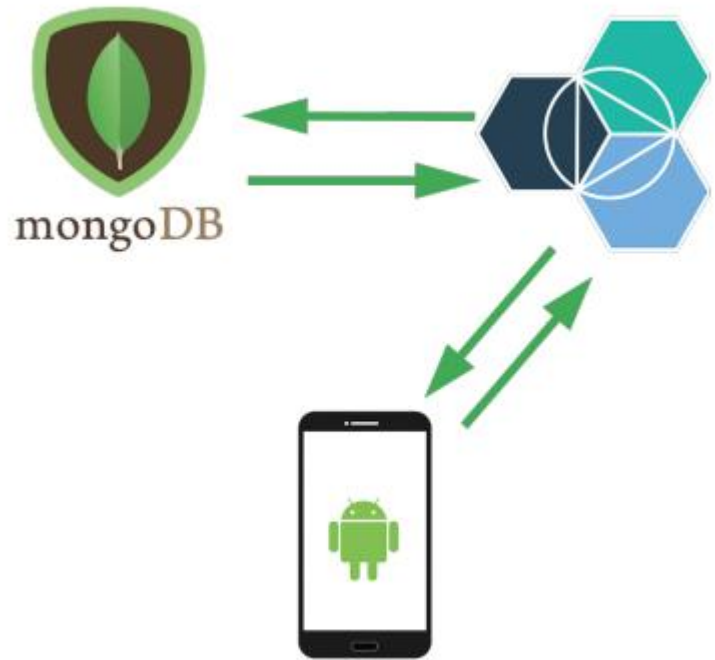Philipp Bahnmueller

Felix Rosa

Kevin Schroetter

First thoughts

- Use Mobile Device GPS-Data and internet
- Draw GPS-Location on a Map
- Have a friendlist for sharing locations
- Add friends using friend requests
- Place personal markers on a map
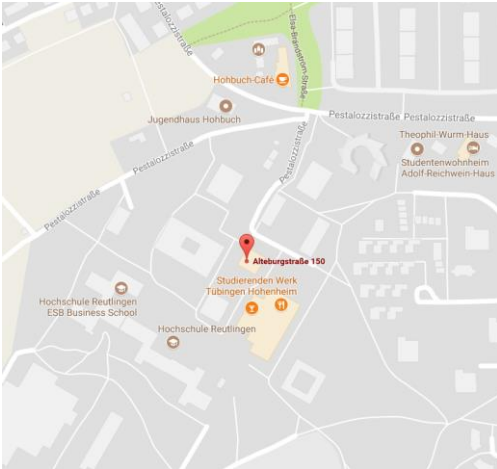- Calculate distances between GPS-Locations

FTW: Philipp Bahnmueller, Felix Rosa, Kevin Schroetter

Components

- MongoDB Database
  - Save User and Marker information
  - Access through internet

- FTW Application
  - Interact with the Map
  - Manage Friends and Markers
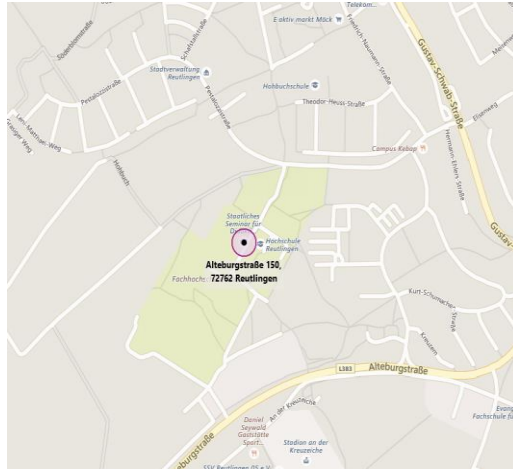
- FTW Restful API
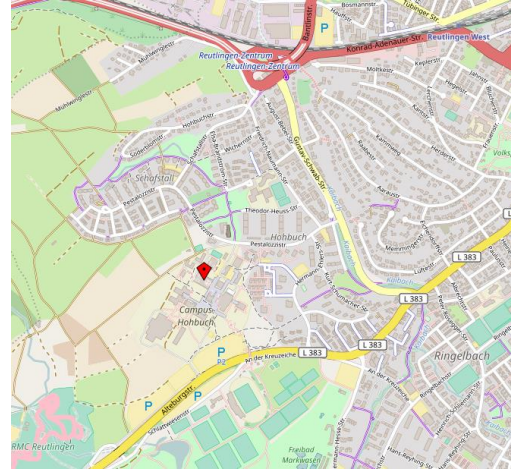 - Communication between APP and DB

Map APIs

▶ **Google Maps**

- ▶ 2500 requests free
- ▶ Android standard map
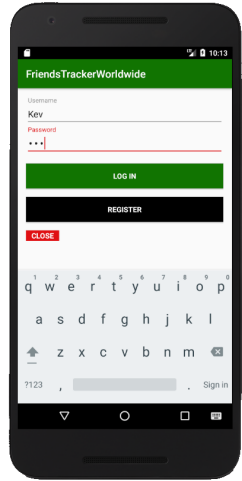- ▶ Google commercials

▶ **Bing Maps**

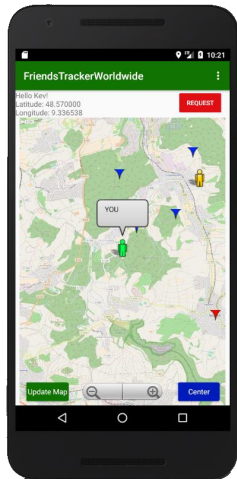- ▶ No free model

▶ **OpenStreetMap**

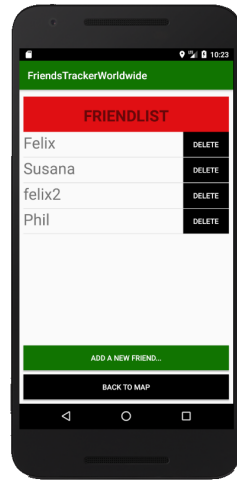- ▶ Completely free
- ▶ Custom map
- ▶ No commercial
- ▶ Open source

Activities

LOGIN

MAP

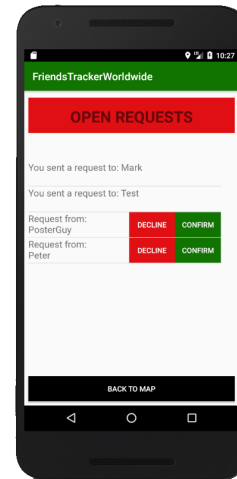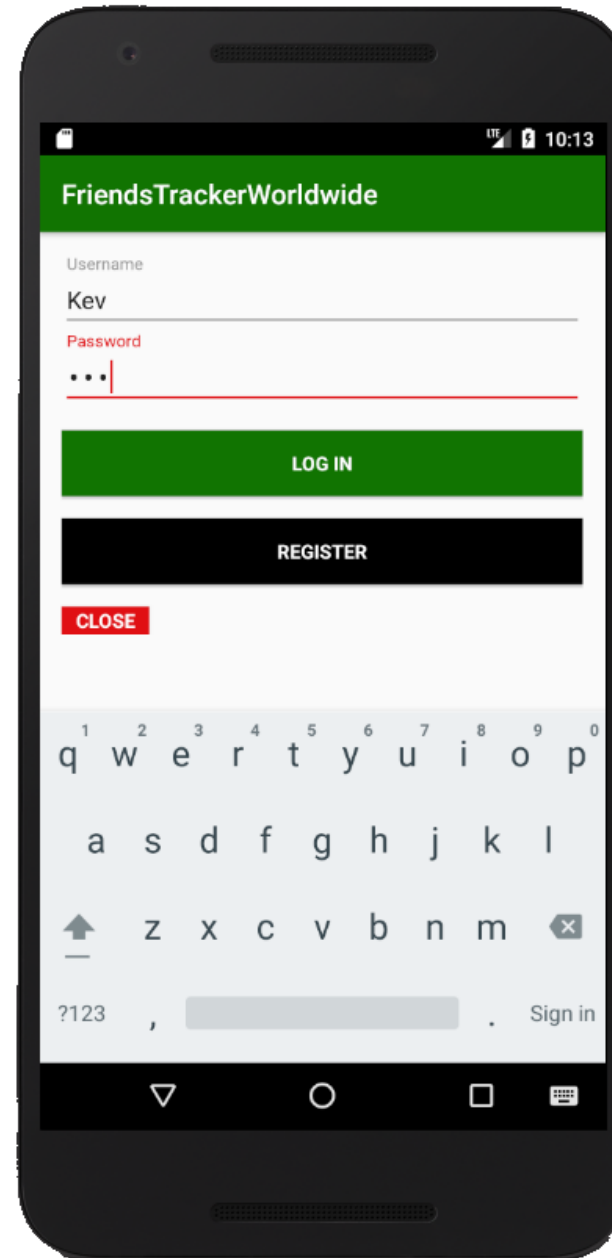FRIENDS
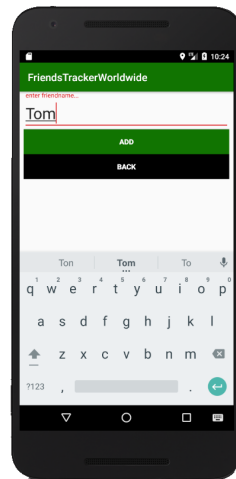
ADD
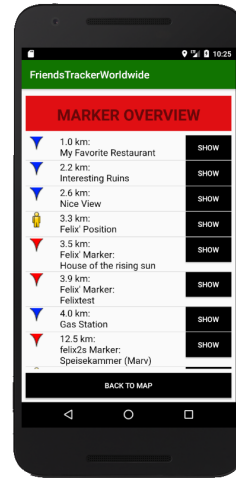
DISTANCE

REQUESTS

LEGEND

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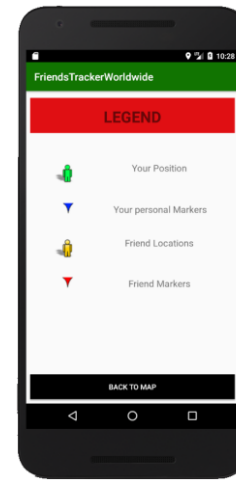
Activities
- LoginActivity

▶ Enter user with validation check

▶ Enter password with validation check

▶ LOG IN through API

▶ REGISTER through API

▶ CLOSE for closing the Activity

Activities
- MainActivity

▶ Refresh your own GPS-Location all 30 seconds

▶ Show Items with Descriptions

▶ Add personal Markers

▶ Delete personal Markers

▶ Update Interface manually

▶ Center Map on your position

▶ Navigate around the Map

▶ Navigate to other activities

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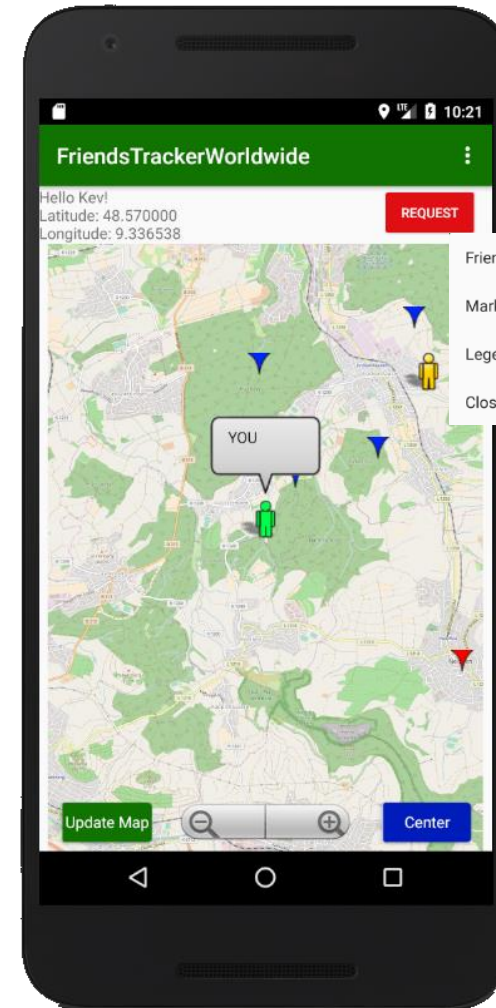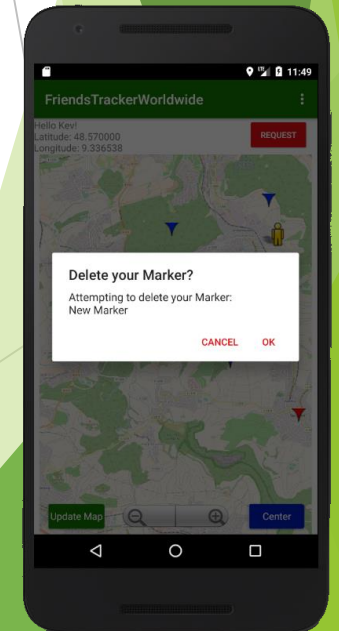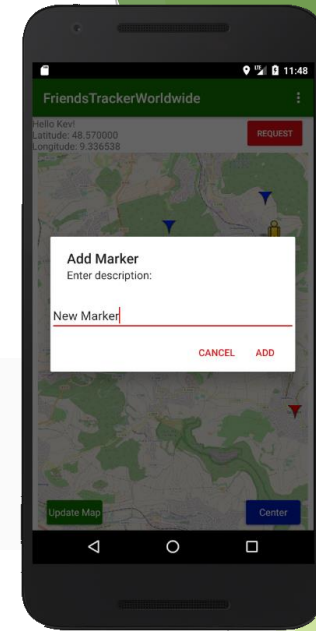
Activities
- FriendActivity

▶ Display all friends

▶ Delete friends directly from within the list

▶ Navigate to AddFriendActivity

▶ Feedbeck when recently sent a friend request

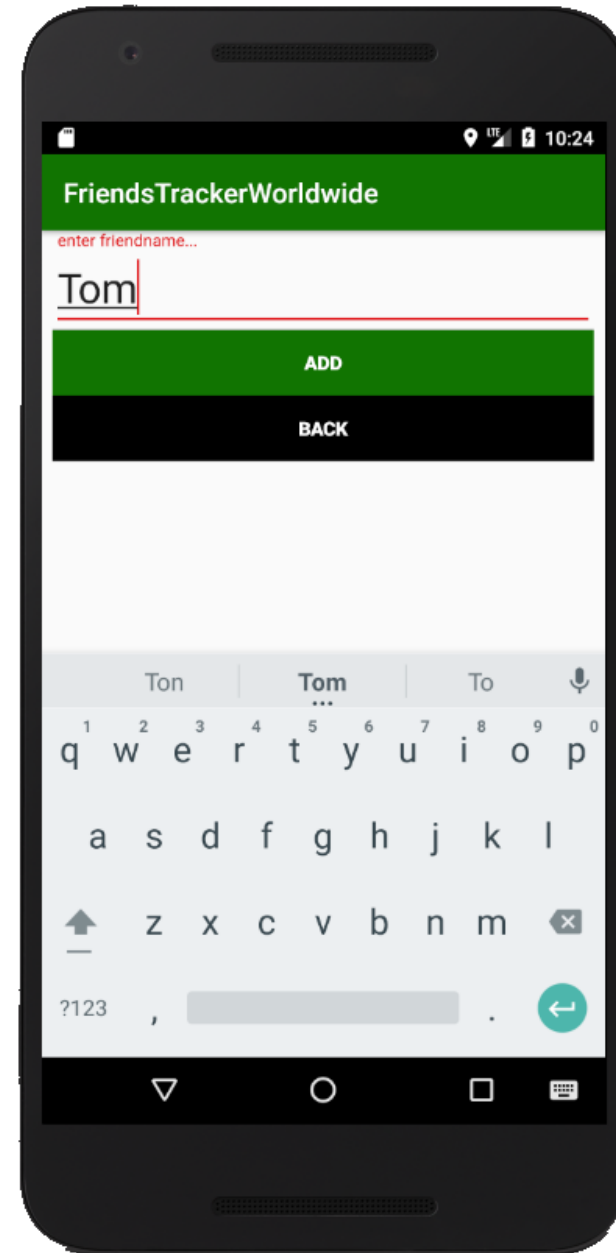FTW: Philipp Bahnmueller, Felix Rosa, Kevin Schroetter
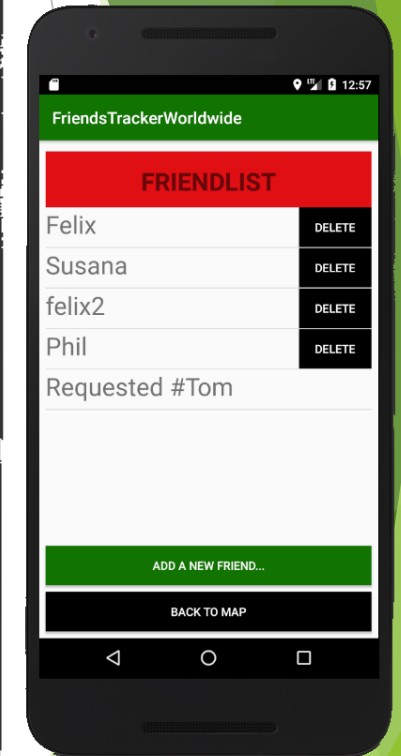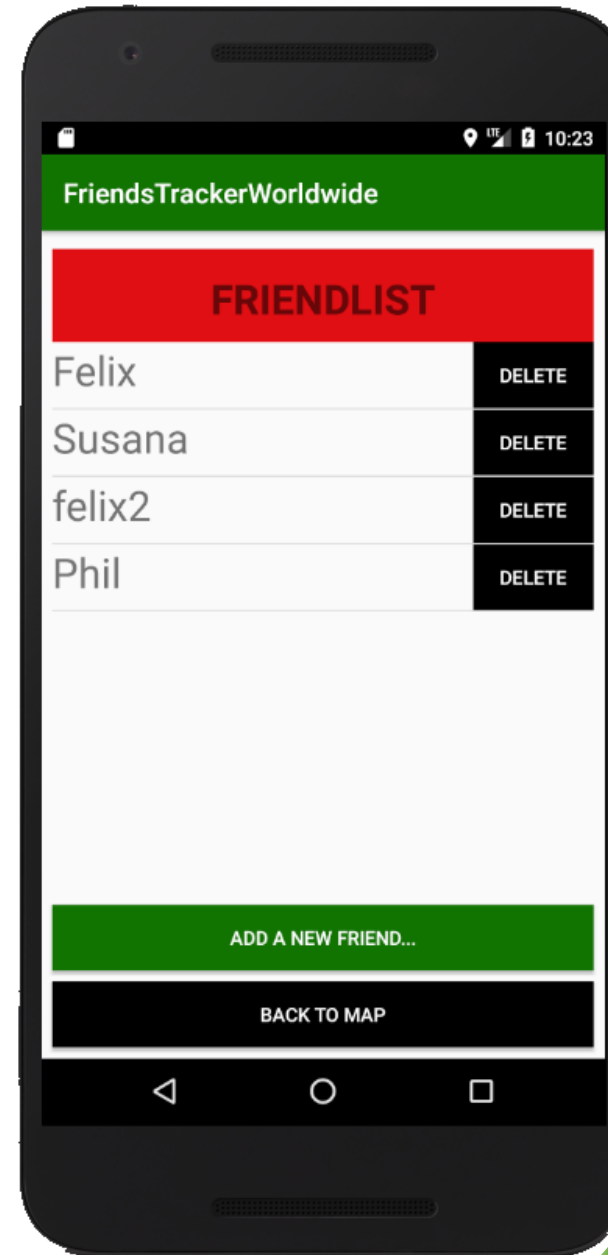
Activities
   - AddFriendActivity

▶ Add a new Friend through the FTW API

▶ Validation of entered friendname

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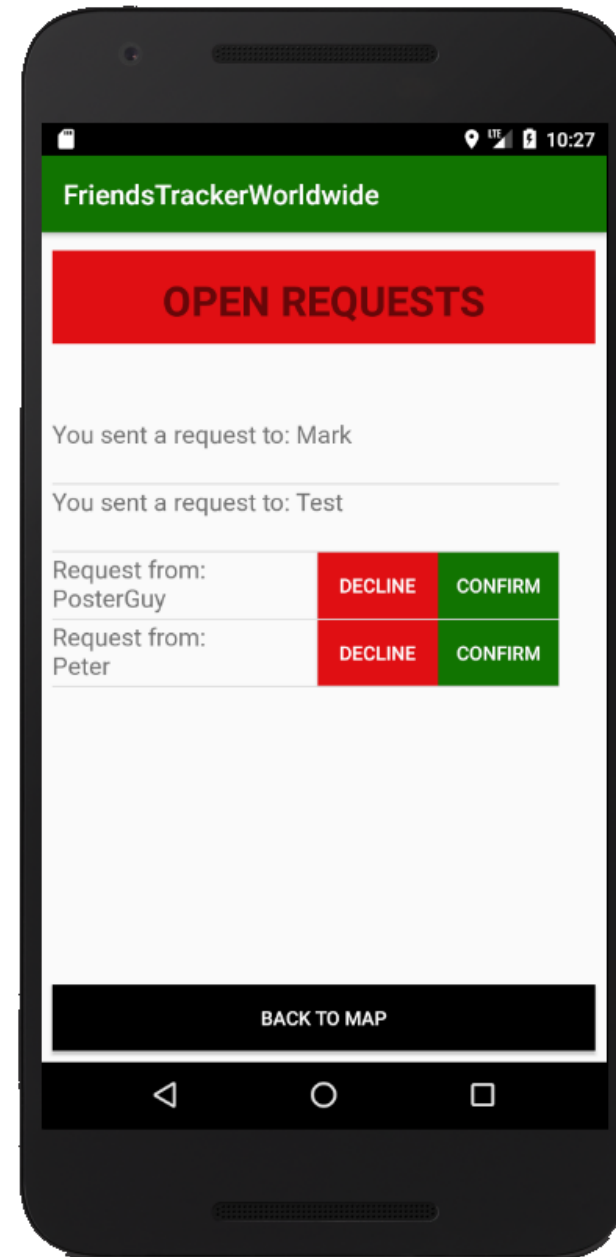
Activities
- OverviewActivity

▶ Display all Personal Markers

▶ Display all Friend Markers

▶ Display all Friends Locations

  ▶ Sort list entries by distance to Your Location

  ▶ Directly focus the selected Item via SHOW

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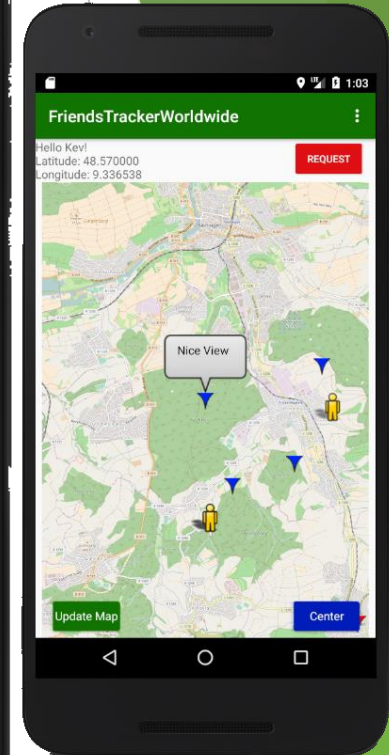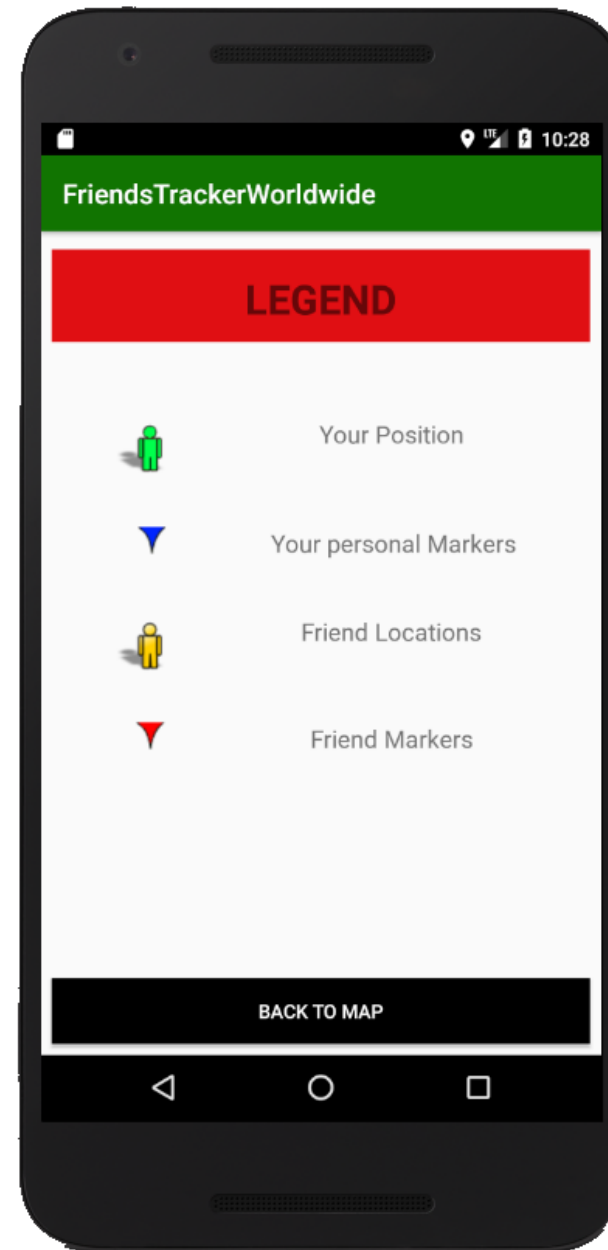
Activities
- RequestActivity

▶ See your Sent Friend Requests

▶ View Open Friend Requests

▶ Confirm Requests

▶ Decline Requests

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Activities
 - LegendActivity

▶ Get information about Map Icons for:

  ▶ Your Position

  ▶ Your personal Markers

  ▶ Friend Locations

  ▶ Friend Markers

LIVE DEMO

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