Trips App

Description

○ The main screen displays the trip information and path of the latest trip returned from http://52.55.117.63:3000/trip/latest . You will find a reference image on the 2nd page of this PDF.

○ Each trip has an ID. You can get any trip by calling http://52.55.117.63:3000/trip/{id} and passing the trip ID as a parameter to the API. The ID of the oldest trip is 1 and IDs are incremented by 1.

○ The screen contains 4 buttons for displaying the previous, upcoming, first and latest trip.

○ The map contains pins for the source and destination locations and you need to draw the path using the appropriate Google Maps API.

○ You need to cache the trip information for offline mode.

General Notes

○ We care for the well architected, readable and bug-free code.

○ Try to handle most of the scenarios like screen rotation, failure of the internet connection, 4XX backend responses, ...etc.

○ Try to write unit and instrumented test cases.

○ You are allowed to use open source libraries.

○ Finish what you can and submit on the deadline.
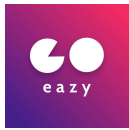
Bonus/Preference

- Dependency Injection - Dagger 2.
- MVP Clean.
- RxAndroid.
- Backpressure.

TIP: Start by finishing the happy scenarios and then dive deeper to other functionalities.