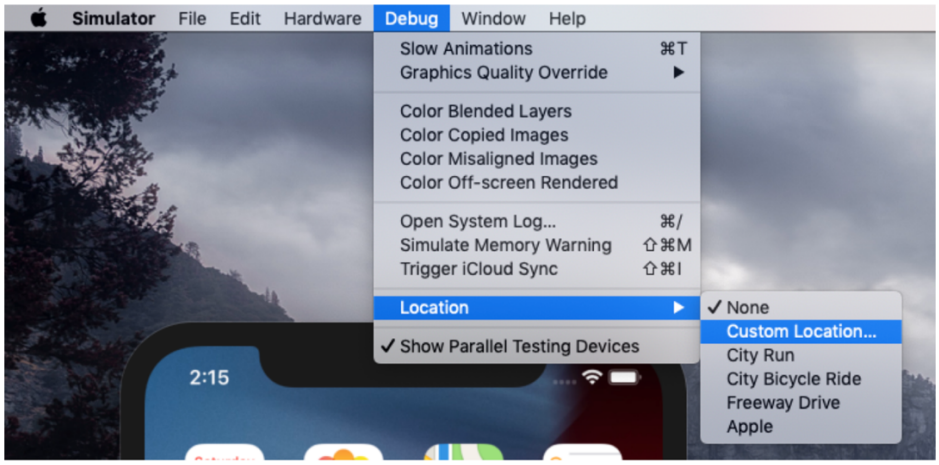
1.) open Visual Studio Code or another IDE and install “Dart” and “Flutter”
    a. Windows: https://www.youtube.com/watch?v=tun0HUHaDuE
    b. Mac: https://www.youtube.com/watch?v=9GuzMsZQUYs
2.) Open my project in your IDE and then go Code_PlanB-Solution/CodeBase/app/lib/main.dart
3.) Start your ios or Android simulator (virtual device) and click on the start button in the main.dart file, or go into your terminal and type “flutter run”
4.) Change the location of the device to Berlin for that (latitude: 52,520008 Longitude: 13,404954)

a. IOS:

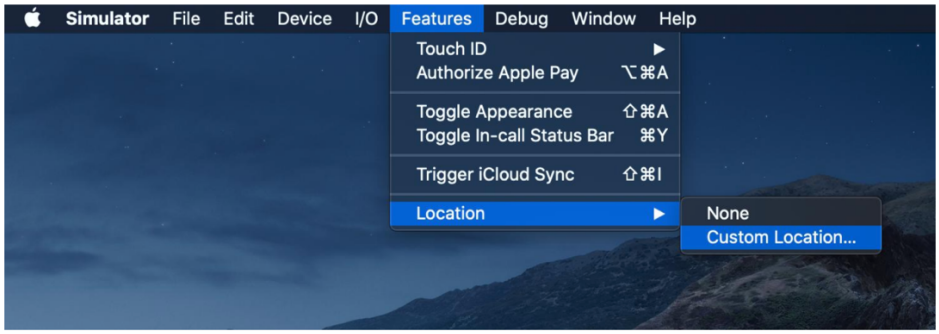
XCode 11.3 and prior:

`Debug -> Location -> Custom Location`

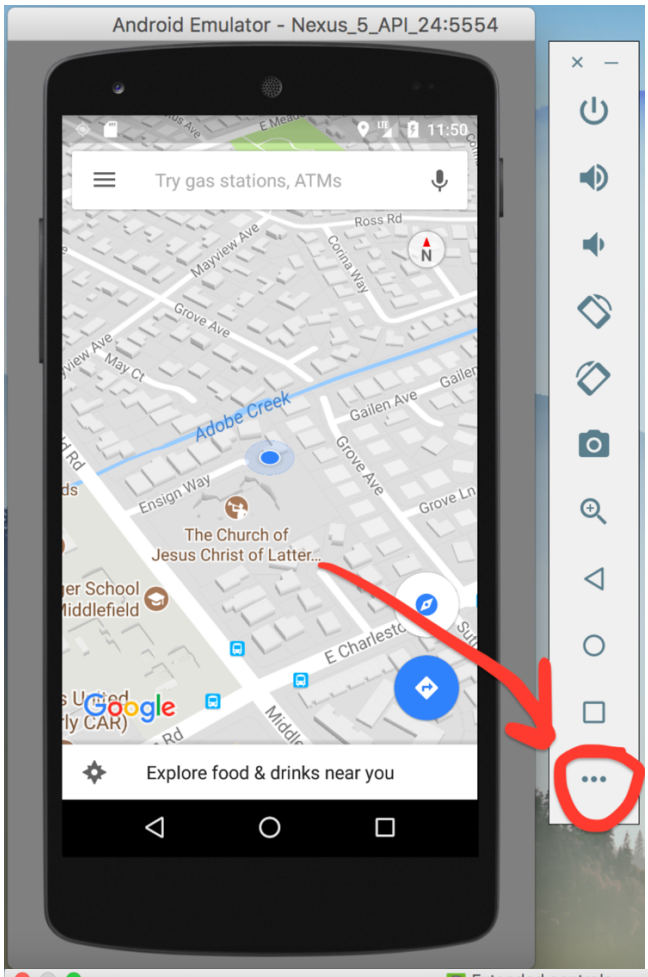


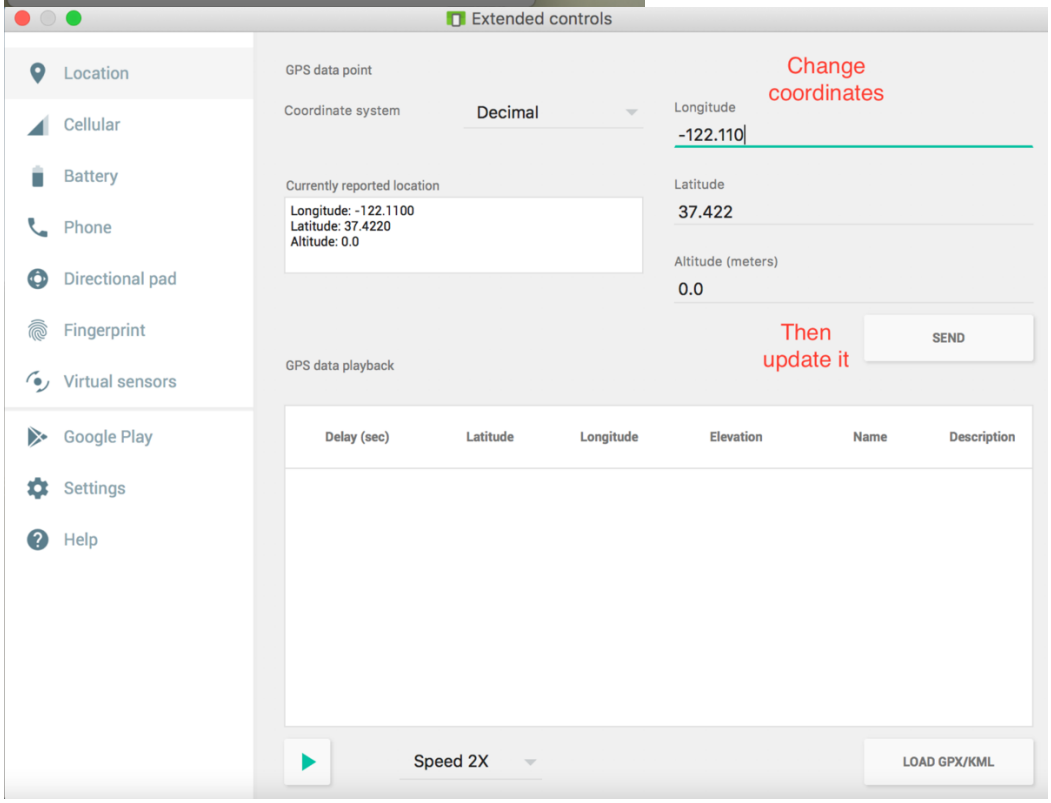
XCode 11.4+:

`Features -> Location -> Custom Location`



b. Android:


Android Emulator - Nexus_5_API_24:5554
Try gas stations, ATMs
Explore food & drinks near you


Extended controls
Location
Cellular
Battery
Phone
Directional pad
Fingerprint
Virtual sensors
Google Play
Settings
Help
GPS data point
Coordinate system
Decimal
Change coordinates
Longitude
-122.110
Currently reported location
Longitude: -122.1100
Latitude: 37.4220
Altitude: 0.0
Latitude
37.422
Altitude (meters)
0.0
Then update it
SEND
GPS data playback
Delay (sec)
Latitude
Longitude
Elevation
Name
Description
Speed 2X
LOAD GPX/KML

Everything else should work out of the box, I started the server that is communicating with my DB on my raspberry pi 4, I had problems to have my db running stable so in the case of not having a connection:

1.) Download MySQL Workbench, create a new Connection and run, after that create a new schema and open a tap to run queries.
2.) Copy the script in Code_PlanB-Solution/CodeBase/CODE-Challenge_PlanB-App_db.sql
3.) Excecute the script

4.) After this open server script in Code_PlanB-Solution/CodeBase/Back-End/app.py

5.) Because of privacy I separated the DB connection details into “config.py” which gets ignored by gitignore. So to get a connection to the db you have to create a new “config.py” file in the “Back-End” directory. Paste the following Code into the file:

```
import mysql.connector


mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    passwd=" ",
    database="CODE_PlanB",
    port='3306'

)
```

If you will run the db somewhere else then on your local machine you have to edit the host. For the password insert the password you used for MySQL Workbench.

6.) Go into your terminal and type: “python3 app.py” this starts the server.

7.) Go in Code_PlanB-Solution/CodeBase/app/lib/home/home.dart into line 24 and change to URL to the link the console printed when starting the server