Lab session 5: Create Geolocation Flutter application with Google Maps and Open Street Maps.

Introduction
In this lab session, you will demonstrate create Flutter application to integrate Geo-location features

Objectives
At the end of this session, students are expected to be able to create a Flutter App to implement some Geo-location functionalities.

Deliverables
• A full documentation with Screenshots and descriptions of the Labs and Dart files.
Student Name

Tutorials

1. https://techblog.geekyants.com/implementing-flutter-maps-with-osm
2. **https://www.flutter4u.com/openstreetmap-osm-plugin-for-flutter/**
3. **https://github.com/edwinmacalopu/OpenStreetMap-flutter**
4. **https://flutterawesome.com/openstreetmap-plugin-for-flutter/**
5. **https://pub.dev/packages/flutter_osm_plugin**

Practical -

Task-1

Adding Google Maps to a Flutter App
https://codelabs.developers.google.com/codelabs/google-maps-in-flutter#0
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

Task-2

Create a Flutter APP using OpenStreet Map (OSM)
Create a Flutter App with OSM to display a few (5) hotels in 5 different districts in Mauritius using markers. Add some interesting features on the markers such as an info window.
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

Task-3

Create a Flutter APP to showcase a live location tracking
Reference: https://medium.com/flutter-community/flutter-google-map-with-live-location-tracking-uber-style-12da38771829
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

OSM = Open Street Map

Student Notes and feedback
Screenshots

Good Luck!