**Description**

Project is a fleet management solution that combines true fleet intelligence and great customer service for companies worldwide. Smartphone App is a mobile application.

The Smartphone App are made to be used by fleet managers. After login, the user are able to consult the fleet vehicles, drivers, trips, paths, etc. The user can also interact with drivers, find the nearest vehicles, block vehicles and receive activity notifications of each vehicle.

**Architecture**

The code is structured according with Model-View-Presenter architecture.

**User Interface**

The interface implementation is being done dynamically, in code. Use of storyboards is being avoided.

**Client**

The requests to the API is being implemented with *Alamofire.*The received JSONs are parsed with *Decodable* or similar.

**Local Data base**

*Realm* database is being used to storage local data in Smartphone App.

**Notification service**

*Firebase* is being used to process the notification service.

**Testing**

* In the unit tests, all of the used methods needed to be stubbed with the expected arguments and needed responses.
* In the integration tests, since the models are not mocked and their methods not stubbed, a "mock web server" needs to be used where the the url requests are mapped with local JSON responses

**Others technologies**

Google Maps API should be used.