

Implementation Architecture

The application architecture is a client-server architecture and is divided into the client and server parts.

1. Client Implementation Architecture

The client uses Angular to handle components and communicate with the server and uses the OpenLayers Library to render points and the map itself.

2. Server Implementation Architecture

The server part uses Apache Tomcat to serve the server and Spring Boot to handle requests. The requests are done through the Rest APIs. It uses the GraphHopper Library to find the best routes between you and the chosen location.

The server also has access to the Postgres database which holds the locations of Hotels, Gas Stations, Restaurants, etc. It accesses the file system which stores bootstrap data that is used to initially populate the Postgres database or h2 database used for testing.

