AMOS WS21/22 Project 1: Geo Data Search

Project name	Geo Data Search
Project mission	The project mission is to achieve an interpretation of buzzword user queries in German through a web interface concerning location, length, height (difference) of public routes, places and regions. Multiple results, routes or places, matching the user query as close as possible will be displayed in a list as well as in a map. The software should be usable from desktop web browsers and be intuitive - an option to get examples for possible inputs in the web interface will be provided nevertheless.
Industry partner	IAV GmbH
Team logo	
Project summary	Geo Data Search is a browser app that enables users to search for routes and places specified by geographical properties, like height of elevations and route lengths.
	The user-friendly interface allows processing of queries expressed with natural language. The results are shown on a map and can also be exported via the downloadable KML file.
	Moreover, the app comes with features, including finding charging stations on routes, as well as cost-saving route planning by avoiding toll roads.
	The project is constructed separately into its different purposes: Frontend, Backend and Natural Language Processing. Due to usage of docker compose, the containers can be individually horizontally scaled depending on the load and the resource consumption of a particular service.
	Using GitHub actions, the project provides a CI with automatic tests that are run on each pull request in the corresponding containers.
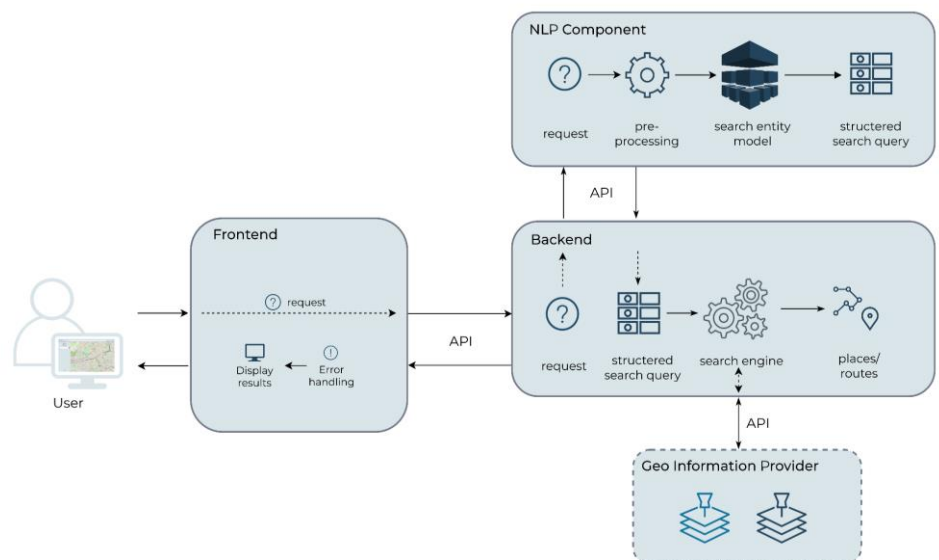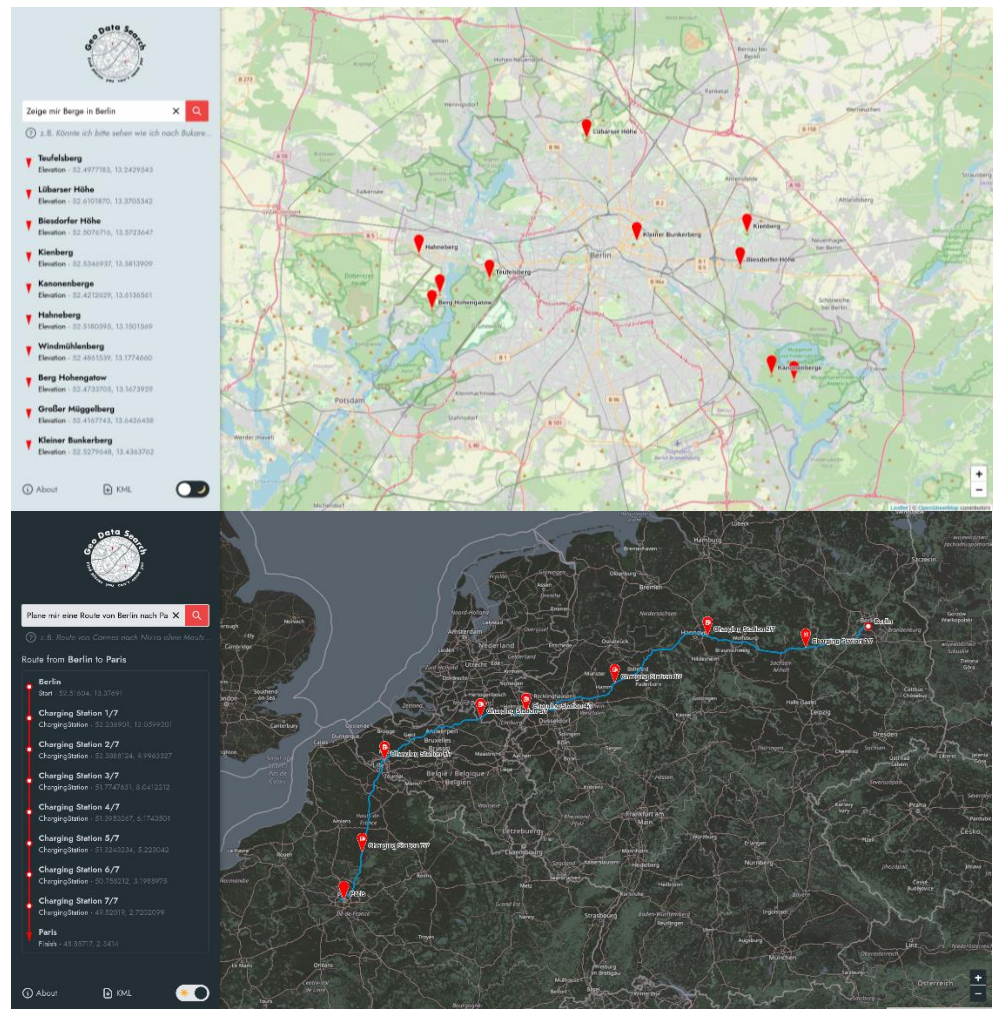
Project illustration	
Team photo	
Project repository	https://github.com/amosproj/amos2021ws01-geo-data-search