Development of a Web App Frontend for a Mobility Data Acquisition, Processing and Evaluation Framework

Motivation

We are currently developing the cloud-based consulting tool WATE. The overall goal is to enable an efficient and sustainable implementation of electromobility in private households and companies through analyzing the underlying mobility behavior. In this context mobility behavior is characterized by sensor and OBD data of single trips. For data acquisition an android smartphone app or an OBD-2 data logger is used. The recorded data is subsequently sent to a backend via the internet, where the data is stored and processed. An access limited web app enables the user to view his data in the form of statistical evaluations and simulation results and thereby to analyze the underlying mobility behavior with regard to the suitability for electromobility.

Work Description

The current web app frontend has emerged from a tedious development process so that it does no longer corresponds to the state of the art. It is based on the deprecated Angular 2 framework and a no longer considered suitable bootstrap template. Within the scope of an IDP this web app frontend shall be developed from scratch using Angular 6, Angular CLI and Bootstrap. Further the whole functionality of the current web app frontend should be adopted and connected the current web app backend, which is based on Node.js. Particular emphasis should be placed on a user-friendly, attractive and responsive frontend design as well as on the scalability of the web app frontend.

If you are interested please forward your full application (incl. CV, certificates and transcripts of records) to:
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