Front-end development for a real estate valuation tool

Background
Real estate valuation has so far been carried out using cumbersome and lengthy processes, that include manual market research, the creation and formatting of tables and diagrams, and the writing of 100-page appraisals. As part of a previous IDP, a tool (backend) was developed that digitizes and accelerates these processes with the help of web scraping. The aim of this IDP is to develop a front-end that provides a user-friendly user interface to the existing back end and contains a dashboard that visualizes the data from the database generated via web scraping.

Task
In this project you will work on the following tasks:

- Identification and selection of suitable tools, programming languages and frameworks (e.g. Figma; Angular; etc.).
- Conception and development of web interfaces
  - Conception of the technical front-end architecture
  - Creation of conceptual mock-ups
  - Implementation of front-end
- Conception of a dashboard
  - Selection of suitable data from the database
  - Designing the dashboard wireframe
  - Connection and implementation
Requirements

- Understanding of front-end development.
- Experience with conception of web interfaces.
- Systematic and independent way of working and the ability to work in a team.

Contact

Please do not hesitate to contact me if you have any questions regarding this project:

Dr.-Ing. Christina Mauer
Tel.: +49 89 289-22483
E-Mail: c.mauer@tum.de

M.Sc. Maximilian Reiser
Tel.:+49 89 289-22483
E-Mail: m.reiser@tum.de