Back-end development with Natural Language Generation for real estate valuation

Background
Real estate valuation has so far been carried out using cumbersome and lengthy processes. The appraisers spend more than 50% of their time gathering information about the market and the location of the property, formatting tables and diagrams and writing a 100-page report with the same content. The digitization of these processes leads to enormous time savings. Therefore, the aim of this IDP is to develop an application that automates the creation of valuation reports from existing data with the help of Natural Language Generation.

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

- Identification and selection of suitable tools, programming languages and frameworks (e.g. tools from AWS; Python, Java; etc.)
- Design and development of output templates for automated data export.
  - Conversion of existing data into natural language with the help of natural language generation algorithms.
  - Create graphs and diagrams from existing data.
  - Merging the NLG texts and graphics / diagrams into a pre-formatted output template.
- Cooperation and close coordination with another IDP that generates the structured data for the output.
Requirements

- Understanding of back-end developments.
- Experience with Natural Language Generation and databases.
- 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:

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