VEAV – Plugin for BIM-Software

**Description:**
Decisions taken in the early phases of building design have major consequences regarding the performance of the resulting building. BIM (Building Information Modelling) is an important trend in the construction industry and will result in a significant modernization of the working procedures. DFG-FOR2363 research unit is devoted to the development of methods that allow the assessment of alternative building designs which are partly incomplete and vague. As part of the above mentioned research group, chair of Architectural Informatics (TUM) is responsible for visual exploration and supporting and documenting the design process and the decisions taken. The ultimate goal of which is to allow the transparent and grounded evaluation and assessment of building design variants in early design phases.

**Topic:**
As part of the above mentioned research project, plugins need to be developed for commercial BIM-authoring tools such as Revit, Archicad and Allplan. In a team of IDP-Students you will work on multiple BIM-software plugins. The function of this plugin in twofold:
- Ticketing system to manage requests for Analysis
- Extracting and storing the history of communications in an already developed relational server

**Requirements:**
- Basics of C# or any CLI language
- Basics of REST APIs

**Project Information:**
https://for2363.blogs.ruhr-uni-bochum.de
https://www.ar.tum.de/en/ai/research/veav/

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