

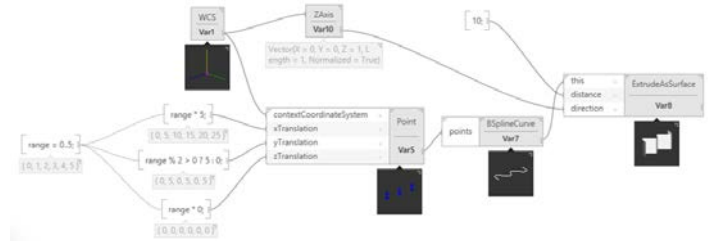
Software Lab:

Modeling: ★★☆☆☆
 Mathematics: ★☆☆☆☆
 Programming: ★★★★★

Improvement of Building Processes by the help of a Visual Programming Language

Setting

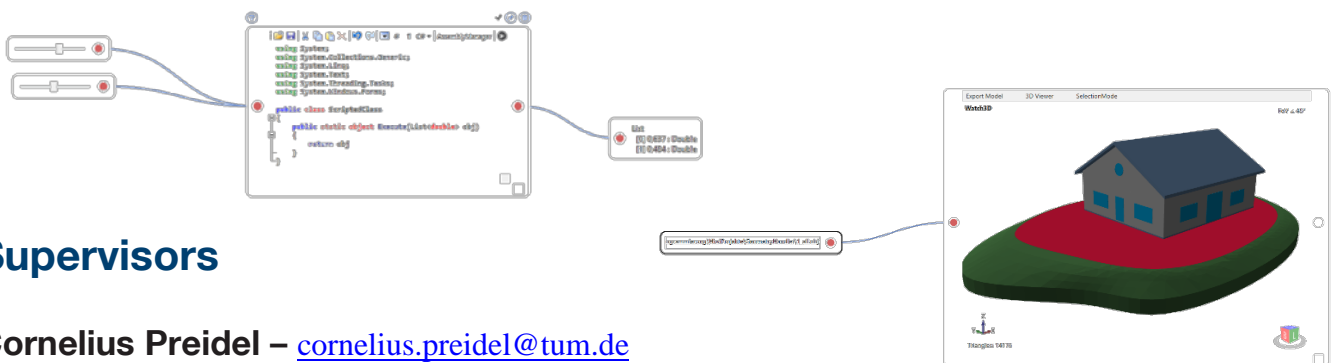
- Nowadays several building processes are executed manually and are therefore error-prone and cumbersome
- By the help of a **Visual Programming Language** non-programmers can formulate precise processes
- In recent years, several VPL frameworks (e.g. Grasshopper and Dynamo) have established



Task

- Get familiar with the principles of a VPL and our academic, open-source **TUM CMS VPL Framework** (<https://github.com/tumcms/TUM.CMS.VPLControl>)
- Enhance the capabilities of the framework
- Build up an upload functionality, which enables the user to store building information in the bim+ online core

Programming Language: C#, WPF



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