1. Prerequisites:
   1. Revit 2022
   2. Revit model
   3. the solution downloaded from Github
2. Add a shared parameter file to the Revit project.
   1. Go to *Insert/Insert from File/Insert Views from File*   
        
      Graphical user interface, application, Word

      Description automatically generated
   2. Point to the *template/RevitParameterTemplate.rvt* file.
   3. Select all three schedules from that file.
   4. A schedule (table) will appear, but you can close that tab and go back to the desired 3d view.

Now all the required Revit categories in your model will have appropriate parameters.

1. Fill in the parameter values with your project data:
   1. *Is internal –* to mark the external walls (default: Yes)
   2. Design for Disassembly parameters:
      1. *Form containment* –
         * 0 - not applicable
         * 1 - Open, no inclusions
         * 2 - Overlaps on one side
         * 3 - Closed on one side
         * 4 - Closed on several sides (default)
      2. *Connection accessibility* –
         * 0 - not applicable
         * 1 - Freely Accessible
         * 2 - Accessibility with additional actions that do not cause damage
         * 3 - Accessibility with additional actions with reparable damage
         * 4 - Not accessible irreparable damage to objects (default)
      3. *Connection type* –
         * 0 - not applicable
         * 1 - Dry Connection
         * 2 - Connection with added elements
         * 3 - Direct integral connection
         * 4 - Soft chemical compound
         * 5 - Hard chemical connection (default)
      4. *Crossings* –
         * 0 - not applicable
         * 1 - Modular zoning of objects
         * 2 - Crossings between one or more objects
         * 3 - Full integration of objects (default)
   3. Source of the material (all are by default zero):
      1. *Reused material* – the percentage of reused material – coming from preowned elements
      2. *Recycled material* – the percentage of recycled material content
      3. *Biological material* – the percentage of sustainable biological material
   4. End-of-life scenario (all are by default zero):
      1. *EoL recycling* – the percentage of material planned to be recycled
      2. *EoL reuse* – the percentage of material planned to be reused
2. Open the desired 3D view for visualization.
3. Make sure that your Revit model doesn’t contain Model Groups as they deny access to write back values of individual element parameters.
4. In Revit, open Dynamo Player:

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application

Description automatically generated

1. Before running each script you can edit the input values by clicking on *Edit inputs*:

Graphical user interface, text, application

Description automatically generated

1. Once ready press play on the Dynamo Player button:  to run the script
   1. Scripts are based on 4 types of data:
      1. Revit model parameters
      2. Inputs from the GUI
      3. Hardcoded values in the script
      4. External files from the JSON files from */data* folder
2. The result, depending on the script, are written back to dedicated Revit parameters, exported to a predefined Excel file or visualized with colors in active Revit view.