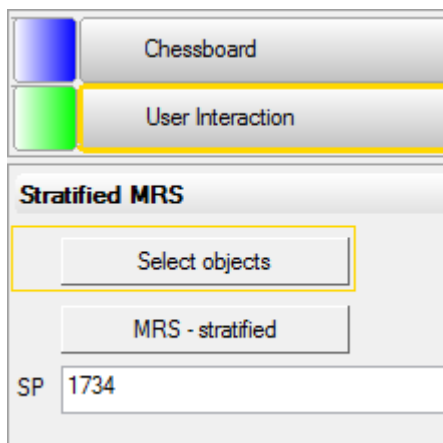# Assignment

Create your first own architect application

- Create a new action library

- Create two different actions

    1. Segmentation Action: Let the user apply a chessboard segmentation based on a user defined chessboard size

    2. User Input:

        - The user should be able to press a button and select chessboard objects based on a rectangle (process: "select input mode")

        - An additional button should allow the user to conduct a multiresolution segmentation (SP should be user defined) – within the selected objects only.

            Hint: You can address selected objects in the domain e.g. of the *assign class algorithm* (Image Object List = "UI Selection") and assign a temp-class to the selected object. This temp-class can serve as the domain for your domain-specific segmentation. Caution: To apply an MRS within the area, select the temporary class as class filter and for Level Usage select "current" (not above or below, since that can bias the segmentation due to the object hierarchy).

- Feel free to extend your application, e.g. with Actions to load image data or to export results or with any other idea (not mandatory!)

Upload your rule-set, Architect library and Architect solution file to the Blackboard (in one zip file, name of the file: yourname_Architect.zip)