Creating GUI using the appdesigner of Matlab

- Copy mibPluginController.m and mibPluginGUI.mlapp to a desired destination, for example MIB\Plugins\SBEM\DebrisRemoval

Open mibPluginGUI.mlapp in appdesigner in MATLAB

>> appdesigner mibPluginGUI.mlapp

Resave it as NewPluginNameGUI.mlapp

Rename mibPluginController.m to NewPluginNameController.m, where “NewPluginName” should match directory name of the plugin

Open NewPluginNameController.m and rename all occurrences of “mibPlugin” to “NewPluginName”

Use the existing templates of editbox, checkbox, dropdown and radio buttons to populate the plugin with desired widgets.

The constructor of NewPluginNameController has a section where BatchOpt structure with parameters of the GUI.