

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.