MOIS-ASSIST

IntelliJ IDEA Plugin

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# **FEATURE LIST**

The main features of the plugin will be accessed using the a MOIS-Assist tool window. The tool window will provide the user with an overview of methods in the project that have been assigned a category by MOIS or the user. Necessary options to adjust and filter method properties and classifications will be accessible from the action bar as well as other popup menus in the window and editor.

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| FEATURE | DESCRIPTION | PRORITY | STATUS |
| Import File | The user can select a configuration file using the add button in the action bar. A file chooser will then appear that the user can use to select a file. After selecting and validating the configuration, the method list will be populated accordingly. |  | Completed |
| Export File | After editing classification for methods, the user can then export the updated configuration file. |  |  |
| List Filtering | A popup-menu with the available method categories will be displayed when the filter button is selected in the action bar. The menu will also provide an option to toggle filtering based on the current file that is active in the editor or all methods found in the project. For example, the user would be able to select “Current File” as well as CWEs and method Types that they wish to filter with. |  |  |
| Method Modification | Right clicking on a method in the list will display a popup menu that offers an option to edit the properties of a method in a dialog. The user will be able to modify the CWEs and types that are assigned to the method. The dialog will also allow the user to restore a method if it was removed after running MOIS and to also delete a method from the list.  A property view can also be accessed from the popup menu. The dialog will show details/descriptions for the properties of the selected method. |  |  |
| Rerun Susi | This feature is accessed by clicking the corresponding button in the action bar. A dialog will then appear with fields to select the source jar directory, configuration file as well as an output directory. While the process is running, a progress bar will appear in the tool window’s footer. Upon completion, a notification will appear in the footer that will shows the results dialog when clicked.  **Results Dialog**  The result dialog will show the logs from Susi as well as the new configuration file that was generated. The load button will allow the user to update the method list using the new configuration file that was generated. Methods that were changed after rerunning Susi will be highlighted in the list. |  |  |
| Help | Clicking the Help action bar button, will open help resources in the user’s browser. There they will be able to access FAQs and documentation about Susi and Susiassist. |  |  |

## **EDITOR**

In the editor, the user will be able to add or update a method by highlighting the method’s name and then selecting the option from the editor popup-menu.

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| FEATURE | DESCRIPTION | PRORITY | STATUS |
| Add/Update New Methods | After selecting a method name and clicking the “Add Method” option in the MOIS-Assist editor popup menu, a dialog will appear that allows the user to edit the method properties. The method will then be added to the list. |  |  |