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| Design of HalogenUI plugin in Eclipse | August 26  2011 | |
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Table of Contents

[Function Description 4](#_Toc302140999)

[High Level Design 4](#_Toc302141000)

[Detailed Design 4](#_Toc302141001)

[Use cases 4](#_Toc302141002)

[User search value by highlighting a word in the editor 4](#_Toc302141003)

# Function Description

This function of this plug-in is for facilitating the HalogenUI key/value replacement during the coding process.

# High Level Design

This plug-in hook onto the Eclipse extension points of preferences setting and menu. Users need set the HalogenUI.xml file path in the preferences page in the first use of the plug-in. The context menu of the editor will let users search the HalogenUI value by with a key or search the key with a value.

The plug-in will phase the HalogenUI.xml file and do xpath search to return the value or key which users are searching for. There is no DOM tree object stored in the memory at this stage, but there is a plan to add a preference choice for users to pick if the DOM tree will be loaded in before using it.

# Detailed Design

## Use cases

### User search value by highlighting a word or a phrase in the editor

Step1: highlight a word or a phrase in the editor

Step2: right-click to bring up the context menu

Step3: select HalogenUI->Search Value By Key

Expected result: result window will be shown

### User search UI key by highlighting a word or a phrase in the editor

Step1: highlight a word or a phrase in the editor

Step2: right-click to bring up the context menu

Step3: select HalogenUI->Search Key By Value

Expected result: result window will be shown

## Activity Diagram

