Autodesk.Revit.DB.ExtensibleStorage.Framework

Component: ExtensibleStorageFramework.dll

This namespace contains interfaces and classes that provide mechanism for:
- Automatic schema creation based on attributes
- Automatic serialization and deserialization of objects
- Schemas versioning
- Pre and post actions for saving and loading schemas
- Converter definition (for types not supported by Extensible Storage e.g. `DateTime`)

Version 2015

No changes

Autodesk.Revit.UI.ExtensibleStorage.Framework

Component: ExtensibleStorageFramework.UI.dll

This namespace contains interfaces and classes that provide mechanism to build a UI layer based on Schema definition.

Version 2015

For this version have been added:

- The possibility to force the size of a dialog containing an embedded schema to fit the display size of the schema. This could be achieved by setting the SizeToContent property to true.
- The possibility to span an embedded schema control to the whole width of the layout. This could be achieved by setting the Span property to true.
- The possibility to draw a border around an embedded schema control. This could be achieved by setting the DrawBorder property to true.
- The possibility to specify or not a the description for fields of an embedded schema controls. This could be achieved by setting the SetFieldsDescription property to true.
- The possibility to expand or not a layout category from code. This could be achieved by using SchemaEditor ExpandCategory method.
- The possibility to align a TextBlock with the right column of the layout. This could be achieved by setting the AlignWithRightColumn property to true.

Autodesk.Revit.DB.ExtensibleStorage.Framework.Documentation

Component: ExtensibleStorageFramework.Documentation.dll

This namespace contains interfaces and classes that provide mechanism to build a documentation layer based on Schema definition.
Following output formats are supported:
- Html
- Mht
- Txt

Version 2015

No changes

Autodesk.Revit.DB.CodeChecking

Component: CodeChecking.dll

This namespace contains base classes and foundations for Code Checking Framework such as definition of Service and interface for servers.

Version 2015

For this version has been added:

- Autodesk.Revit.DB.CodeChecking.LoadCombination - a new namespace dedicated to the new load combination framework. Please refer to the user manual for detailed information.

Autodesk.Revit.DB.CodeChecking.Documentation

Component: CodeChecking.Documentation.dll

This namespace contains interfaces and classes that provide tools needed to create a report using Code Checking Framework.

Version 2015

No changes

Autodesk.Revit.DB.CodeChecking.Storage

Component: CodeChecking.Storage.dll

This namespace contains interfaces and classes that provide access to data stored in Code Checking Framework.

Version 2015

For this version has been added:

- Autodesk.Revit.DB.CodeChecking.Storage.LoadCombination a new namespace dedicated to the new load combination framework. Please refer to the user manual for detailed information.

Autodesk.Revit.UI.CodeChecking

Component: CodeChecking.UI.dll

This namespace contains interfaces and classes that provide tools needed to create and control UI exposed using the Code Checking Framework.

Version 2015

For this version has been added:

- Autodesk.Revit.UI.CodeChecking.LoadCombination- a new namespace dedicated to the new load combination framework. Please refer to the user manual for detailed information.

Autodesk.Revit.DB.CodeChecking.Engineering

Component: CodeChecking.Engineering.dll

This namespace contains interfaces and classes that provide specific information from a Revit project useful for the Code Checking process.

Version 2015

For this version have been added:

- The Layer class to provide information regarding a specific layer from a Compound Structure
- ElementWallInfo to provide information regarding a wall element (layers and shape of the analytical model)

The SlabInfo class has been extended to support Foundation slab objects and expose directly layers information.

Autodesk.CodeChecking.Concrete

Component: RCUAPINet.dll

This namespace contains interfaces and classes that deliver information about reinforced cross section in the failure state, stresses and forces according to set of strains and other information useful during the reinforcement concrete design.

Version 2015

- Compilation of this native C++ component is now done using Visual Studio 2012.

Examples

Version 2015

- A new example has been added to demonstrate functionalities of the Load Combination Framework. Detailed explanation regarding this example could be found inside the user manual document part of this SDK..
- Example: ASCE-7-10

Version 2015

- The Concrete Code Example has been updated to support some new Revit Elements categories (Walls and Floors). A full description of this update could be found inside the Step by Step Example document part of this SDK.

Templates

Version 2015

- All templates have been updated to support .Net 4.5 and Visual Studio 2012.
- A new template has been introduced to support the new Code Combination Framework.
- The Concrete template has been updated to support new Revit Elements categories (Walls and Floors).