Web Studio

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7.5 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/BooleanConverter.cs . . . 132
7.6 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/BoolToVisibilityConverter.cs . . . 132
7.7 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ChangedLanguageEvent.cs . . . 132
7.8 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ChangedProjectEvent.cs . . . 133
7.9 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ClosedDocumentEvent.cs . . . 133
7.10 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/EditorView.xaml.cs . . . 133
7.11 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/EditorViewModel.cs . . . 133
7.12 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/EventSystem.cs . . . 134
7.13 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/FontSizeChangedEvent.cs . . . 134

7.14 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/FtpClient.xaml.cs 134
7.15 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/GenericMEFPluginLoader.cs 134
7.16 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Json.cs 135
7.17 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Localization.cs 135
7.18 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MainWindow.xaml.cs 135
7.19 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MainWindowViewModel.cs 135
7.20 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MessageContainerVisibility↩ ChangedEvent.cs 136
7.21 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroConfirmationWindow.xaml.cs . 136
7.22 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroNotificationWindow.xaml.cs . . 136
7.23 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroPopupWindow.xaml.cs 136
7.24 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroPopupWindowAction.cs 137
7.25 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/NewProject.xaml.cs 137
7.26 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/NewProjectViewModel.cs 137
7.27 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Notifications.cs 137
7.28 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/NullToVisibilityConverter.cs 138
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7.31 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ProjectModel.cs 138
7.32 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Resources.Designer.cs 139
7.33 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Rules.cs 139
7.34 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/RulesLanguage.cs 139
7.35 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/SetPropertiesResolver.cs 139
7.36 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Settings.Designer.cs 140
7.37 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ShellHelpers.cs 140
7.38 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ShowLineNumbersEvent.cs 140
7.39 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/SouceToImageSourceConverter.cs . 140
7.40 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/SyntaxHighlighterTool.cs 141
7.41 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Telemetry.cs 141
7.42 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Templates.cs 141
7.43 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/TextEditorMVVM.cs 141
7.44 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ValidationPluginManager.cs 142
7.45 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ValidationPlugins.xaml.cs 142
7.46 Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ValidationPluginsViewModel.cs . . . 142

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Capítulo 1

Indice de namespaces

1.1. Lista de 'namespaces'

Lista de los 'namespaces', con una breve descripción:

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Web_Studio.Converters 10
Web_Studio.Editor 10
Web_Studio.Editor.SyntaxHighlighter 10
Web_Studio.Events 10
Web_Studio.Localization 11
Web_Studio.Models 11
Web_Studio.PluginManager 11
Web_Studio.Properties 11
Web_Studio.Reglas 11
Web_Studio.Telemetry 12
Web_Studio.Utils 12
Web_Studio.ViewModels 12
Web_Studio.WindowAction 12

Capítulo 2

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2.1. Jerarquía de la clase

Esta lista de herencias esta ordenada aproximadamente por orden alfabético:

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Application
    Web_Studio.App . . . 19
ApplicationSettingsBase
    Web_Studio.Properties.Settings . . . 109
BindableBase
    Web_Studio.Editor.EditorViewModel . . . 33
    Web_Studio.ViewModels.AboutViewModel . . . 16
    Web_Studio.ViewModels.MainWindowViewModel . . . 59
    Web_Studio.ViewModels.NewProjectViewModel . . . 87
    Web_Studio.ViewModels.OptionsViewModel . . . 97
    Web_Studio.ViewModels.ValidationPluginsViewModel . . . 127
Web_Studio.Converters.BooleanConverter< Visibility > . . . 24
    Web_Studio.Converters.BoolToVisibilityConverter . . . 28
Web_Studio.Events.ChangedLanguageEvent . . . 29
Web_Studio.Events.ChangedProjectEvent . . . 30
Web_Studio.Events.ClosedDocumentEvent . . . 31
DefaultContractResolver
    Web_Studio.Utils.SetPropertiesResolver . . . 107
Web_Studio.Utils.ShellHelpers.ErrorHelper . . . 41
Web_Studio.Events.EventSystem . . . 41
Web_Studio.Events.FontSizeChangedEvent . . . 46
Web_Studio.PluginManager.GenericMefPluginLoader< T > . . . 48
Web_Studio.Utils.ShellHelpers.IPropertyStore . . . 51
IValueConverter
    Web_Studio.Converters.ActiveDocumentConverter . . . 17
    Web_Studio.Converters.BooleanConverter< T > . . . 24
    Web_Studio.Converters.NullToVisibilityConverter . . . 94
    Web_Studio.Converters.SouceToImageSourceConverter . . . 113
Web_Studio.Utils.Json . . . 51
Web_Studio.Localization.Localization . . . 54
Web_Studio.MainWindow . . . 56
Web_Studio.Events.MessageContainerVisibilityChangedEvent . . . 79
Web_Studio.WindowAction.MetroConfirmationWindow . . . 80
Web_Studio.WindowAction.MetroNotificationWindow . . . 81
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Web_Studio.NewProject . . . 86
Web_Studio.Utils.Notifications . . . 93

Web_Studio.Options 96
PopupWindowAction
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Web_Studio.Models.ProjectModel 100
Web_Studio.Reglas.RulesLanguage 105
Web_Studio.Utils.ShellHelpers 111
Web_Studio.Events.ShowLineNumbersEvent 112
Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool 115
Web_Studio.Telemetry.Telemetry 118
Web_Studio.Models.Templates 119
TextEditor
    Web_Studio.Editor.TextEditorMvvm 121
UserControl
    Web_Studio.Editor.EditorView 31
    Web_Studio.FtpClient 47
Web_Studio.PluginManager.ValidationPluginManager 124
Web_Studio.ValidationPlugins 126

Capítulo 3

Índice de clases

3.1. Lista de clases

Lista de las clases, estructuras, uniones e interfaces con una breve descripción:

Web_Studio.About
: Lógica de interacción para About.xaml . . . 15

Web_Studio.ViewModels.AboutViewModel
: About View Model . . . 16

Web_Studio.Converters.ActiveDocumentConverter
: Converter to get the active document . . . 17

Web_Studio.App
: Lógica de interacción para App.xaml . . . 19

Web_Studio.Converters.BooleanConverter< T >
: Parametric boolean converter . . . 24

Web_Studio.Converters.BoolToVisibilityConverter
: Convert a bool to a visibility type . . . 28

Web_Studio.Events.ChangedLanguageEvent
: Inform that the language has changed . . . 29

Web_Studio.Events.ChangedProjectEvent
: Inform the project changed . . . 30

Web_Studio.Events.ClosedDocumentEvent
: Manage the document closed event. Raised in a EditorView and caught in MainWindowView↩ Model . . . 31

Web_Studio.Editor.EditorView
: Lógica de interacción para EditorView.xaml . . . 31

Web_Studio.Editor.EditorViewModel
: ViewModel for the editor view . . . 33

Web_Studio.Utils.ShellHelpers.ErrorHelper . . . 41

Web_Studio.Events.EventSystem
: Class to mange events . . . 41

Web_Studio.Events.FontSizeChangedEvent
: Font size changed event . . . 46

Web_Studio.FtpClient
: Code behind FtpClient.xaml . . . 47

Web_Studio.PluginManager.GenericMefPluginLoader< T >
: Class for loading plugins in MEF arch . . . 48

Web_Studio.Utils.ShellHelpers.IPropertyStore . . . 51

Web_Studio.Utils.Json
: Class to manage importation and exportation in JSON format . . . 51

Web_Studio.Localization.Localization
: Class to manage the app language . . . 54

Web_Studio.MainWindow
Lógica de interacción para MainWindow.xaml . . . 56
Web_Studio.ViewModels.MainWindowViewModel
ViewModel for my custom Avalon TextEditor (aka TextEditorMvvm) . . . 59
Web_Studio.Events.MessageContainerVisibilityChangedEvent
Event raised when changed the visibility of message container . . . 79
Web_Studio.WindowAction.MetroConfirmationWindow
Lógica de interacción para MetroConfirmationWindow.xaml . . . 80
Web_Studio.WindowAction.MetroNotificationWindow
Lógica de interacción para MetroNotificationWindow.xaml . . . 81
Web_Studio.WindowAction.MetroPopupWindow
Lógica de interacción para MetroPopupWindow.xaml . . . 82
Web_Studio.WindowAction.MetroPopupWindowAction
Override the default PopWindowAction to use a metro window (mahapps) . . . 83
Web_Studio.NewProject
Lógica de interacción para NewProject.xaml . . . 86
Web_Studio.ViewModels.NewProjectViewModel
New project view model . . . 87
Web_Studio.Utils.Notifications
Permits to manage notifications . . . 93
Web_Studio.Converters.NullToVisibilityConverter
Converter if instance is null or it is instanced. . . . 94
Web_Studio.Options
Lógica de interacción para Options.xaml . . . 96
Web_Studio.ViewModels.OptionsViewModel
ViewModel for Option Window . . . 97
Web_Studio.Models.ProjectModel
Class to manage settings of one project . . . 100
Web_Studio.Reglas.RulesLanguage
Class to manage the translations of the rules . . . 105
Web_Studio.Utils.SetPropertiesResolver
Custon JSON resolver for Newtonsoft JSON . . . 107
Web_Studio.Properties.Settings . . . 109
Web_Studio.Utils.ShellHelpers
Microsoft class to manage some System APIs . . . 111
Web_Studio.Events.ShowLineNumbersEvent
Show line numbers event . . . 112
Web_Studio.Converters.SouceToImageSourceConverter
This converter checks if we can make the binding . . . 113
Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool
Class to manage SyntaxHighlighter easily . . . 115
Web_Studio.Telemetry.Telemetry
Manage Windows Telemetry in Azure . . . 118
Web_Studio.Models.Templates
Class to manage web templates . . . 119
Web_Studio.Editor.TextEditorMvvm
Custom Avalont TextEditor with MVVM pattern . . . 121
Web_Studio.PluginManager.ValidationPluginManager
Class to manage the validation plugins . . . 124
Web_Studio.ValidationPlugins
Lógica de interacción para ValidationPlugins.xaml . . . 126
Web_Studio.ViewModels.ValidationPluginsViewModel
View model of ValidationPlugins view . . . 127

Capítulo 4

Indice de archivos

4.1. Lista de archivos

Lista de todos los archivos con descripciones breves:

D:/DocumentacionTFG/ADocumentar/About.xaml.cs . . . 131
D:/DocumentacionTFG/ADocumentar/AboutViewModel.cs . . . 131
D:/DocumentacionTFG/ADocumentar/ActiveDocumentConverter.cs . . . 131
D:/DocumentacionTFG/ADocumentar/App.xaml.cs . . . 132
D:/DocumentacionTFG/ADocumentar/BooleanConverter.cs . . . 132
D:/DocumentacionTFG/ADocumentar/BoolToVisibilityConverter.cs . . . 132
D:/DocumentacionTFG/ADocumentar/ChangedLanguageEvent.cs . . . 132
D:/DocumentacionTFG/ADocumentar/ChangedProjectEvent.cs . . . 133
D:/DocumentacionTFG/ADocumentar/ClosedDocumentEvent.cs . . . 133
D:/DocumentacionTFG/ADocumentar/EditorView.xaml.cs . . . 133
D:/DocumentacionTFG/ADocumentar/EditorViewModel.cs . . . 133
D:/DocumentacionTFG/ADocumentar/EventSystem.cs . . . 134
D:/DocumentacionTFG/ADocumentar/FontSizeChangedEvent.cs . . . 134
D:/DocumentacionTFG/ADocumentar/FtpClient.xaml.cs . . . 134
D:/DocumentacionTFG/ADocumentar/GenericMEFPluginLoader.cs . . . 134
D:/DocumentacionTFG/ADocumentar/Json.cs . . . 135
D:/DocumentacionTFG/ADocumentar/Localization.cs . . . 135
D:/DocumentacionTFG/ADocumentar/MainWindow.xaml.cs . . . 135
D:/DocumentacionTFG/ADocumentar/MainWindowViewModel.cs . . . 135
D:/DocumentacionTFG/ADocumentar/MessageContainerVisibilityChangedEvent.cs . . . 136
D:/DocumentacionTFG/ADocumentar/MetroConfirmationWindow.xaml.cs . . . 136
D:/DocumentacionTFG/ADocumentar/MetroNotificationWindow.xaml.cs . . . 136
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D:/DocumentacionTFG/ADocumentar/MetroPopupWindowAction.cs . . . 137
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D:/DocumentacionTFG/ADocumentar/Notifications.cs . . . 137
D:/DocumentacionTFG/ADocumentar/NullToVisibilityConverter.cs . . . 138
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D:/DocumentacionTFG/ADocumentar/OptionsViewModel.cs . . . 138
D:/DocumentacionTFG/ADocumentar/ProjectModel.cs . . . 138
D:/DocumentacionTFG/ADocumentar/Resources.Designer.cs . . . 139
D:/DocumentacionTFG/ADocumentar/Rules.cs . . . 139
D:/DocumentacionTFG/ADocumentar/RulesLanguage.cs . . . 139
D:/DocumentacionTFG/ADocumentar/SetPropertiesResolver.cs . . . 139
D:/DocumentacionTFG/ADocumentar/Settings.Designer.cs . . . 140
D:/DocumentacionTFG/ADocumentar/ShellHelpers.cs . . . 140
D:/DocumentacionTFG/ADocumentar/ShowLineNumbersEvent.cs . . . 140

D:/DocumentacionTFG/ADocumentar/SouceToImageSourceConverter.cs 140
D:/DocumentacionTFG/ADocumentar/SyntaxHighlighterTool.cs 141
D:/DocumentacionTFG/ADocumentar/Telemetry.cs 141
D:/DocumentacionTFG/ADocumentar/Templates.cs 141
D:/DocumentacionTFG/ADocumentar/TextEditorMVVM.cs 141
D:/DocumentacionTFG/ADocumentar/ValidationPluginManager.cs 142
D:/DocumentacionTFG/ADocumentar/ValidationPlugins.xaml.cs 142
D:/DocumentacionTFG/ADocumentar/ValidationPluginsViewModel.cs 142

Capítulo 5

Documentación de namespaces

5.1. Paquetes Web_Studio

Namespaces

- package Converters
- package Editor
- package Events
- package Localization
- package Models
- package PluginManager
- package Properties
- package Reglas
- package Telemetry
- package Utils
- package ViewModels
- package WindowAction

Clases

- class About

  Lógica de interacción para About.xaml
- class App

  Lógica de interacción para App.xaml
- class FtpClient

  Code behind FtpClient.xaml
- class MainWindow

  Lógica de interacción para MainWindow.xaml
- class NewProject

  Lógica de interacción para NewProject.xaml
- class Options

  Lógica de interacción para Options.xaml
- class ValidationPlugins

  Lógica de interacción para ValidationPlugins.xaml

5.2. Paquetes Web_Studio.Converters

Clases

- class ActiveDocumentConverter

  Converter to get the active document
- class BooleanConverter

  Parametric boolean converter
- class BoolToVisibilityConverter

  Convert a bool to a visibility type
- class NullToVisibilityConverter

  Converter if instance is null or it is instanced.
- class SouceToImageSourceConverter

  This converter checks if we can make the binding

5.3. Paquetes Web_Studio.Editor

Namespaces

- package SyntaxHighlighter

Clases

- class EditorView

  Lógica de interacción para EditorView.xaml
- class EditorViewModel

  ViewModel for the editor view
- class TextEditorMvvm

  Custom Avalont TextEditor with MVVM pattern

5.4. Paquetes Web_Studio.Editor.SyntaxHighlighter

Clases

- class SyntaxHighlighterTool

  Class to manage SyntaxHighlighter easily

5.5. Paquetes Web_Studio.Events

Clases

- class ChangedLanguageEvent

  Inform that the language has changed
- class ChangedProjectEvent

  Inform the project changed
- class ClosedDocumentEvent

  Manage the document closed event. Raised in a EditorView and caught in MainWindowViewModel
- class EventSystem

Class to mange events

- class FontSizeChangedEvent

  Font size changed event
- class MessageContainerVisibilityChangedEvent

  Event raised when changed the visibility of message container
- class ShowLineNumbersEvent

  Show line numbers event

5.6. Paquetes Web_Studio.Localization

Clases

- class Localization

  Class to manage the app language

5.7. Paquetes Web_Studio.Models

Clases

- class ProjectModel

  Class to manage settings of one project
- class Templates

  Class to manage web templates

5.8. Paquetes Web_Studio.PluginManager

Clases

- class GenericMefPluginLoader

  Class for loading plugins in MEF arch
- class ValidationPluginManager

  Class to manage the validation plugins

5.9. Paquetes Web_Studio.Properties

Clases

- class **Resources**

  Clase de recurso fuertemente tipado, para buscar cadenas traducidas, etc.
- class Settings

5.10. Paquetes Web_Studio.Reglas

Clases

- class **Rules**

  Class to manage the rules

- class RulesLanguage

  Class to manage the translations of the rules

5.11. Paquetes Web_Studio.Telemetry

Clases

- class Telemetry

  Manage Windows Telemetry in Azure

5.12. Paquetes Web_Studio.Utils

Clases

- class Json

  Class to manage importation and exportation in JSON format
- class Notifications

  Permits to manage notifications
- class SetPropertiesResolver

  Custon JSON resolver for Newtonsoft JSON
- class ShellHelpers

  Microsoft class to manage some System APIs

5.13. Paquetes Web_Studio.ViewModels

Clases

- class AboutViewModel

  About View Model
- class MainWindowViewModel

  ViewModel for my custom Avalon TextEditor (aka TextEditorMvvm)
- class NewProjectViewModel

  New project view model
- class OptionsViewModel

  ViewModel for Option Window
- class ValidationPluginsViewModel

  View model of ValidationPlugins view

5.14. Paquetes Web_Studio.WindowAction

Clases

- class MetroConfirmationWindow

  Lógica de interacción para MetroConfirmationWindow.xaml
- class MetroNotificationWindow

  Lógica de interacción para MetroNotificationWindow.xaml
- class MetroPopupWindow

Lógica de interacción para MetroPopupWindow.xaml

- class MetroPopupWindowAction

  Override the default PopWindowAction to use a metro window (mahapps)

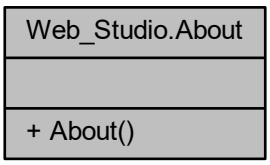
Capítulo 6

Documentación de las clases

6.1. Referencia de la Clase Web_Studio.About

Lógica de interacción para About.xaml

Diagrama de colaboración para Web_Studio.About:



Métodos públicos

- About ()

  Default constructor

6.1.1. Descripción detallada

Lógica de interacción para About.xaml

6.1.2. Documentación del constructor y destructor

6.1.2.1. Web_Studio.About.About ( ) [inline]

Default constructor

```
00012         {
00013             InitializeComponent();
00014         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/About.xaml.cs

6.2. Referencia de la Clase Web_Studio.ViewModels.AboutViewModel

About View Model

Diagrama de herencias de Web_Studio.ViewModels.AboutViewModel

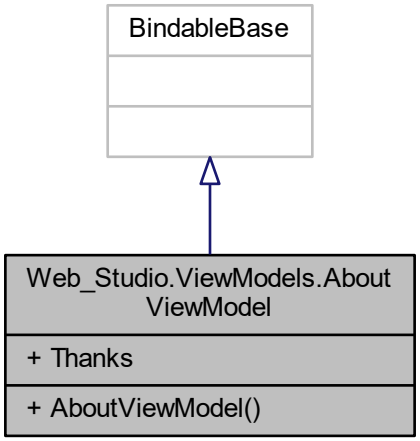
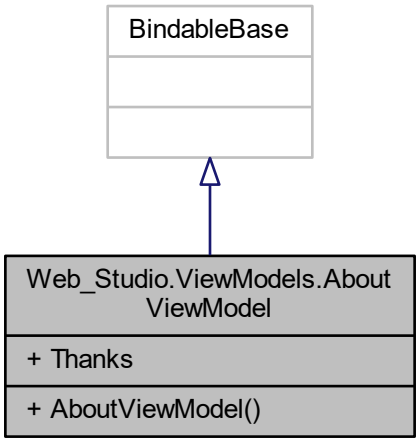


Diagrama de colaboración para Web_Studio.ViewModels.AboutViewModel:



Métodos públicos

- AboutViewModel ()

  Default constructor

Propiedades

- FastObservableCollection< string > Thanks `[get, set]`

  All tools and libs that they help me to create this

6.2.1. Descripción detallada

About View Model

6.2.2. Documentación del constructor y destructor

6.2.2.1. Web_Studio.ViewModels.AboutViewModel.AboutViewModel ( ) `[inline]`

Default constructor

```
00015         {
00016             string[] thanks =
00017             {
00018                 "Visual Studio 2015", "ReSharper","AjaxMin","AlexFTPS","AvalonEdit","Extended WPF Toolkit",
      "HTML Agility Pack","Magick .Net","MahApps","Microsoft Application Insights",
00019                  "Newtonsoft JSON","PRISM", "SSH.NET","WebMarkupMin","WpfLocalizeExtension"
00020             };
00021             Thanks.AddRange(thanks);
00022         }
```

6.2.3. Documentación de propiedades

6.2.3.1. FastObservableCollection<string> Web_Studio.ViewModels.AboutViewModel.Thanks `[get],[set]`

All tools and libs that they help me to create this

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/AboutViewModel.cs

6.3. Referencia de la Clase Web_Studio.Converters.ActiveDocumentConverter

Converter to get the active document

Diagrama de herencias de Web_Studio.Converters.ActiveDocumentConverter

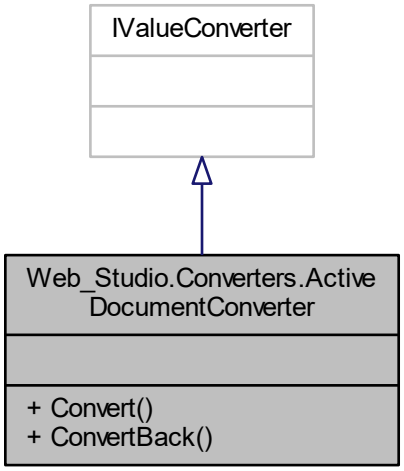
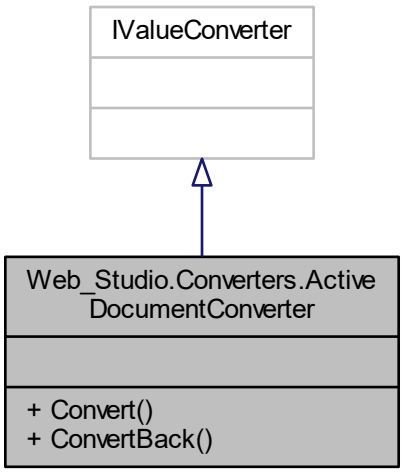


Diagrama de colaboración para Web_Studio.Converters.ActiveDocumentConverter:



Métodos públicos

- object Convert (object value, Type targetType, object parameter, System.Globalization.CultureInfo culture)

  it only changes if the value is an editor
- object ConvertBack (object value, Type targetType, object parameter, System.Globalization.CultureInfo culture)

  it only changes if the value is an editor

6.3.1. Descripción detallada

Converter to get the active document

6.3.2. Documentación de las funciones miembro

6.3.2.1. object Web_Studio.Converters.ActiveDocumentConverter.Convert (object *value,* Type *targetType,* object *parameter,* System.Globalization.CultureInfo *culture*) [inline]

it only changes if the value is an editor

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00021         {
00022             if (value is EditorViewModel)
00023                 return value;
00024
00025             return Binding.DoNothing;
00026         }
```

6.3.2.2. object Web_Studio.Converters.ActiveDocumentConverter.ConvertBack (object *value,* Type *targetType,* object *parameter,* System.Globalization.CultureInfo *culture*) [inline]

it only changes if the value is an editor

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00037         {
00038             if (value is EditorViewModel)
00039                 return value;
00040
00041             return Binding.DoNothing;
00042         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ActiveDocumentConverter.cs

6.4. Referencia de la Clase Web_Studio.App

Lógica de interacción para App.xaml

Diagrama de herencias de Web_Studio.App

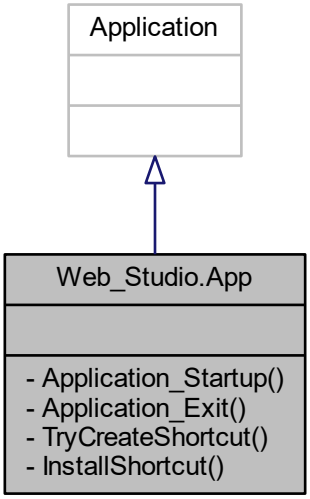
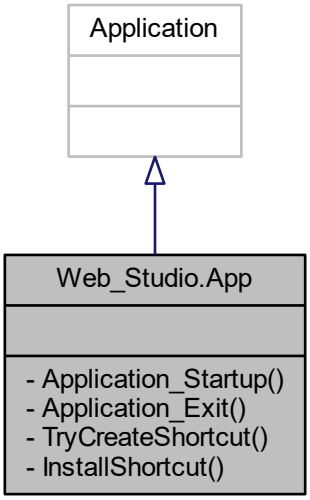


Diagrama de colaboración para Web_Studio.App:



Métodos privados

- void Application_Startup (object sender, StartupEventArgs e)

  Config startup language
- void Application_Exit (object sender, ExitEventArgs e)

Save data before close

- bool TryCreateShortcut ()

  Detects program shortcut (we need it for notifications)

- void InstallShortcut (String shortcutPath)

  Creates the shortcut

6.4.1. Descripción detallada

Lógica de interacción para App.xaml

6.4.2. Documentación de las funciones miembro

6.4.2.1. void Web_Studio.App.Application_Exit (object *sender,* ExitEventArgs *e*) [inline], [private]

Save data before close

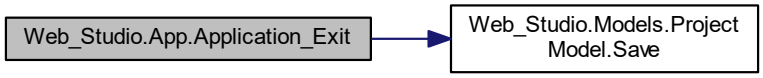
Parámetros

sender	
e	

Hace referencia a Web_Studio.Properties.Settings.Default, Web_Studio.Models.ProjectModel.Instance y Web_Studio.Models.ProjectModel.Save().

```
00061         {
00062             Settings.Default.Save();
00063             ProjectModel.Instance.Save();
00064             Telemetry.Telemetry.TelemetryClient.Flush();
00065         }
```

Gráfico de llamadas para esta función:



6.4.2.2. void Web_Studio.App.Application_Startup (object *sender,* StartupEventArgs *e*) [inline], [private]

Config startup language

Parámetros

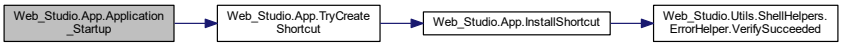
sender	
e	

Hace referencia a Web_Studio.Properties.Settings.Default, Web_Studio.Models.ProjectModel.FullPath, Web_Studio.Models.ProjectModel.Instance, Web_Studio.Properties.Settings.Language y Web_Studio.App.TryCreateShortcut().

```
00027         {
00028 
00029             ResxLocalizationProvider.Instance.UpdateCultureList(GetType().Assembly.FullName, "Strings");
00030             Telemetry.Telemetry.Initialize();
```

```
00031
00032             if (!string.IsNullOrEmpty(Settings.Default.Language))
00033             {
00034                 Localization.Localization.ChangeLanguage(new CultureInfo(
      Settings.Default.Language));
00035             }
00036             else
00037             {
00038                 var cultureInfo = CultureInfo.CurrentCulture;
00039                 Localization.Localization.ChangeLanguage(cultureInfo);
00040             }
00041
00042
00043             TryCreateShortcut();
00044
00045             //Open with file as argument
00046             if (e.Args.Length > 0 && File.Exists(e.Args[0]) && Path.GetExtension(e.Args[0]) == ".ws")
00047             {
00048                 ProjectModel.Instance.FullPath = Path.GetDirectoryName(e.Args[0
      ]);
00049             }
00050
00051
00052
00053         }
```

Gráfico de llamadas para esta función:



6.4.2.3. void Web_Studio.App.InstallShortcut (String *shortcutPath*) [inline], [private]

Creates the shortcut

Parámetros

shortcutPath	

Hace referencia a Web_Studio.Utils.ShellHelpers.ErrorHelper.VerifySucceeded().

Referenciado por Web_Studio.App.TryCreateShortcut().

```
00087         {
00088             // Find the path to the current executable
00089             String exePath = Process.GetCurrentProcess().MainModule.FileName;
00090             ShellHelpers.IShellLinkW newShortcut = (
      ShellHelpers.IShellLinkW)new ShellHelpers.
      CShellLink();
00091
00092             // Create a shortcut to the exe
00093             ShellHelpers.ErrorHelper.VerifySucceeded(newShortcut.
      SetPath(exePath));
00094             ShellHelpers.ErrorHelper.VerifySucceeded(newShortcut.
      SetArguments(""));
00095
00096             // Open the shortcut property store, set the AppUserModelId property
00097             ShellHelpers.IPropertyStore newShortcutProperties = (
      ShellHelpers.IPropertyStore)newShortcut;
00098
00099             using (PropVariant appId = new PropVariant(Web_Studio.
      Properties.Resources.AppId))
00100             {
00101                 ShellHelpers.ErrorHelper.VerifySucceeded(
      newShortcutProperties.Commit());
00102             }
00103
00104             // Commit the shortcut to disk
00105             ShellHelpers.IPersistFile newShortcutSave = (
      ShellHelpers.IPersistFile)newShortcut;
00106
00107             ShellHelpers.ErrorHelper.VerifySucceeded(newShortcutSave.
      Save(shortcutPath, true));
00108         }
```

Gráfico de llamadas para esta función:

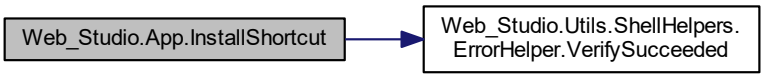


Gráfico de llamadas a esta función:

6.4.2.4. bool Web_Studio.App.TryCreateShortcut ( ) [inline],[private]

Detects program shortcut (we need it for notifications)

Devuelve

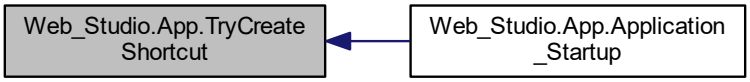
Hace referencia a Web_Studio.App.InstallShortcut().

Referenciado por Web_Studio.App.Application_Startup().

```
00072         {
00073             String shortcutPath = Environment.GetFolderPath(Environment.SpecialFolder.ApplicationData) + "
      \\Microsoft\\Windows\\Start Menu\\Programs\\Web Studio.lnk";
00074             if (!File.Exists(shortcutPath))
00075             {
00076                 InstallShortcut(shortcutPath);
00077                 return true;
00078             }
00079             return false;
00080         }
```

Gráfico de llamadas para esta función:

Gráfico de llamadas a esta función:



La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/App.xaml.cs

6.5. Referencia de la plantilla de la Clase Web_Studio.Converters.BooleanConverter< T >

Parametric boolean converter

Diagrama de herencias de Web_Studio.Converters.BooleanConverter< T >

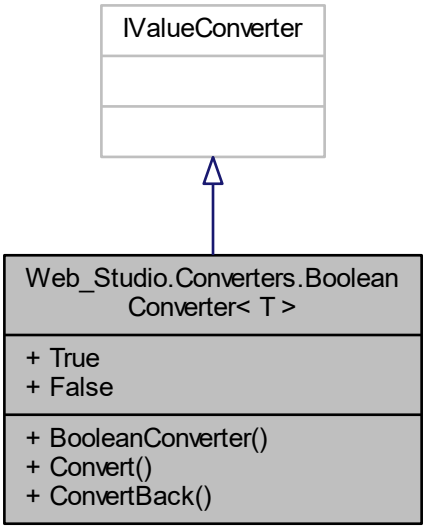
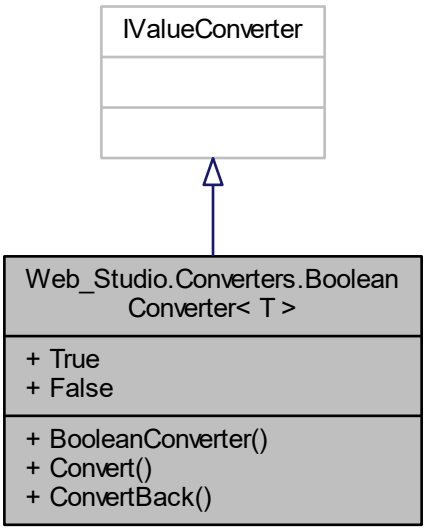


Diagrama de colaboración para Web_Studio.Converters.BooleanConverter< T >:



Métodos públicos

- BooleanConverter (T trueValue, T falseValue)

  Default constructor
- virtual object Convert (object value, Type targetType, object parameter, CultureInfo culture)

  return a T type from bool
- virtual object ConvertBack (object value, Type targetType, object parameter, CultureInfo culture)

  Return bool from T type

Propiedades

- T True `[get, set]`

  True value
- T False `[get, set]`

  False value

6.5.1. Descripción detallada

Parametric boolean converter

Template Parameters

T	

6.5.2. Documentación del constructor y destructor

6.5.2.1. Web_Studio.Converters.BooleanConverter< T >.BooleanConverter (T *trueValue,* T *falseValue*) [inline]

Default constructor

Parámetros

trueValue	
falseValue	

```
00020         {
00021             True = trueValue;
00022             False = falseValue;
00023         }
```

6.5.3. Documentación de las funciones miembro

6.5.3.1. virtual object Web_Studio.Converters.BooleanConverter< T >.Convert (object *value,* Type *targetType,* object *parameter,* CultureInfo *culture*) [inline], [virtual]

return a T type from bool

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00044         {
00045             return value is bool && (bool) value ? True : False;
00046         }
```

6.5.3.2. virtual object Web_Studio.Converters.BooleanConverter< T >.ConvertBack (object *value,* Type *targetType,* object *parameter,* CultureInfo *culture*) [inline], [virtual]

Return bool from T type

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00057         {
00058             return value is T && EqualityComparer<T>.Default.Equals((T) value,
      True);
00059         }
```

6.5.4. Documentación de propiedades

6.5.4.1. T Web_Studio.Converters.BooleanConverter< T >.False [get], [set]

False value

6.5.4.2. T Web_Studio.Converters.BooleanConverter< T >.True [get],[set]

True value

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/BooleanConverter.cs

6.6. Referencia de la Clase Web_Studio.Converters.BoolToVisibilityConverter

Convert a bool to a visibility type

Diagrama de herencias de Web_Studio.Converters.BoolToVisibilityConverter

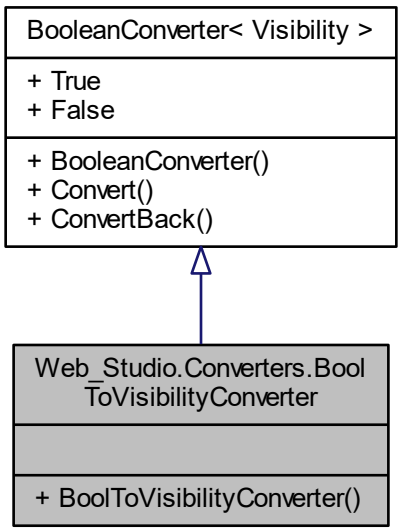
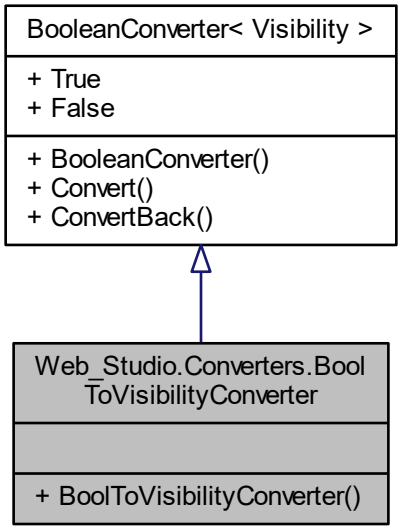


Diagrama de colaboración para Web_Studio.Converters.BoolToVisibilityConverter:



Métodos públicos

- BoolToVisibilityConverter ()
  Default constructor

Otros miembros heredados

6.6.1. Descripción detallada

Convert a bool to a visibility type

6.6.2. Documentación del constructor y destructor

6.6.2.1. Web_Studio.Converters.BoolToVisibilityConverter.BoolToVisibilityConverter ( ) [inline]

Default constructor

```
00013                                       : base(Visibility.Visible, Visibility.Collapsed)
00014         {
00015         }
```

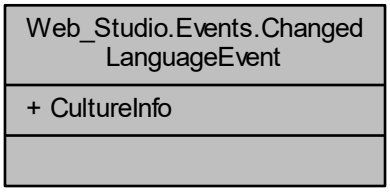
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/BoolToVisibilityConverter.cs

6.7. Referencia de la Clase Web_Studio.Events.ChangedLanguageEvent

Inform that the language has changed

Diagrama de colaboración para Web_Studio.Events.ChangedLanguageEvent:



Propiedades

- CultureInfo CultureInfo `[get, set]`

  New culture

6.7.1. Descripción detallada

Inform that the language has changed

6.7.2. Documentación de propiedades

6.7.2.1. CultureInfo Web_Studio.Events.ChangedLanguageEvent.CultureInfo `[get],[set]`

New culture

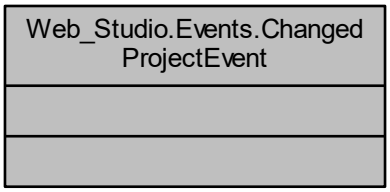
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ChangedLanguageEvent.cs

6.8. Referencia de la Clase Web_Studio.Events.ChangedProjectEvent

Inform the project changed

Diagrama de colaboración para Web_Studio.Events.ChangedProjectEvent:



6.8.1. Descripción detallada

Inform the project changed

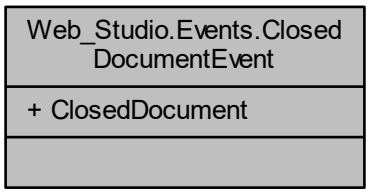
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ChangedProjectEvent.cs

6.9. Referencia de la Clase Web_Studio.Events.ClosedDocumentEvent

Manage the document closed event. Raised in a EditorView and caught in MainWindowViewModel

Diagrama de colaboración para Web_Studio.Events.ClosedDocumentEvent:



Propiedades

- EditorViewModel ClosedDocument `[get, set]`

  The document

6.9.1. Descripción detallada

Manage the document closed event. Raised in a EditorView and caught in MainWindowViewModel

6.9.2. Documentación de propiedades

6.9.2.1. EditorViewModel Web_Studio.Events.ClosedDocumentEvent.ClosedDocument `[get],[set]`

The document

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.ManageDocumentClosed().

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ClosedDocumentEvent.cs

6.10. Referencia de la Clase Web_Studio.Editor.EditorView

Lógica de interacción para EditorView.xaml

Diagrama de herencias de Web_Studio.Editor.EditorView

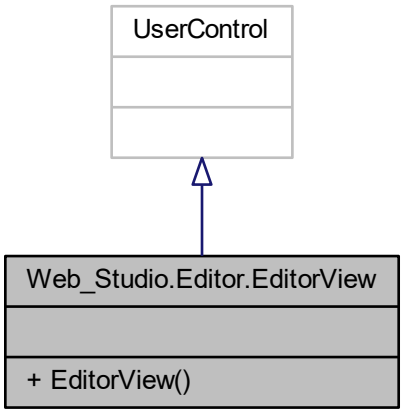
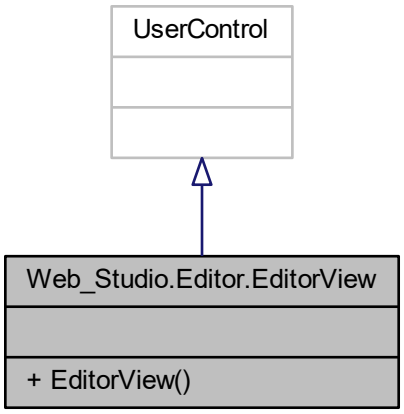


Diagrama de colaboración para Web_Studio.Editor.EditorView:



Métodos públicos

- EditorView ()

  Default constructor

6.10.1. Descripción detallada

Lógica de interacción para EditorView.xaml

6.10.2. Documentación del constructor y destructor

6.10.2.1. Web_Studio.Editor.EditorView.EditorView ( ) [inline]

Default constructor

```
00014         {
00015             InitializeComponent();
00016         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/EditorView.xaml.cs

6.11. Referencia de la Clase Web_Studio.Editor.EditorViewModel

ViewModel for the editor view

Diagrama de herencias de Web_Studio.Editor.EditorViewModel

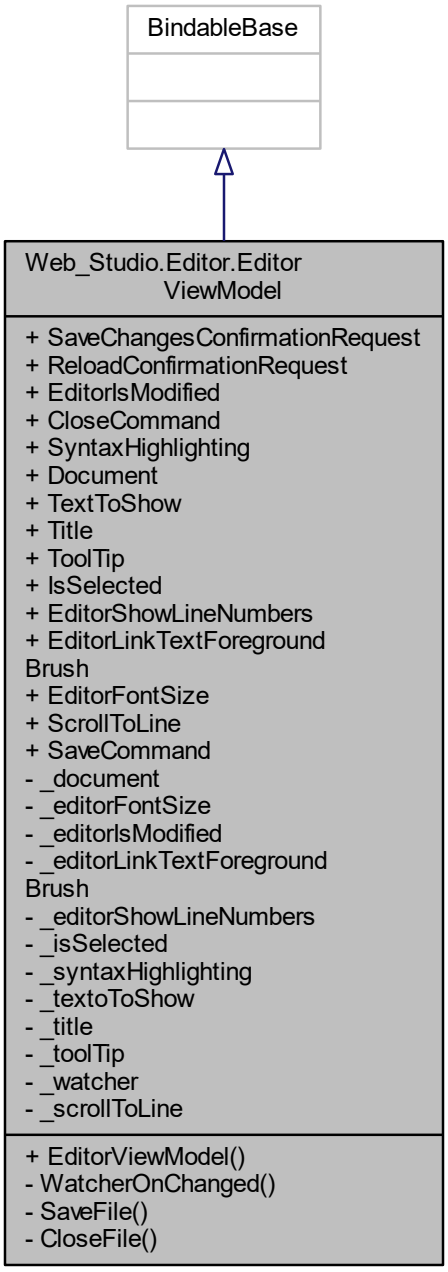
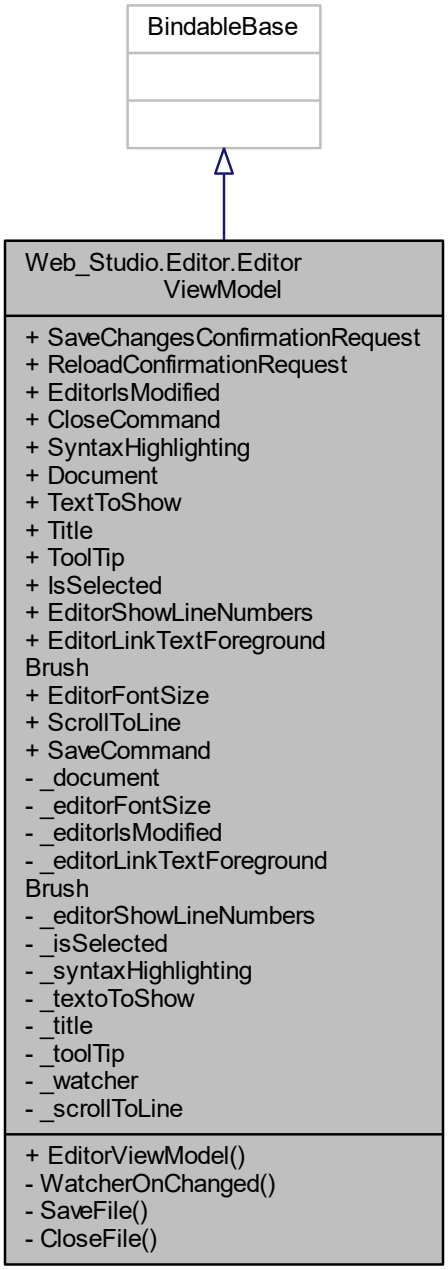


Diagrama de colaboración para Web_Studio.Editor.EditorViewModel:



Métodos públicos

- EditorViewModel (string title, string path, bool showLineNumbers, Brush linkTextForeground, int fontSize)

  Default constructor

Propiedades

- InteractionRequest< IConfirmation > SaveChangesConfirmationRequest `[get]`

  Confirmation event popup
- InteractionRequest< IConfirmation > ReloadConfirmationRequest `[get]`

  Confirmation event popup for reload
- bool EditorIsModified `[get, set]`

  the document is modified
- DelegateCommand CloseCommand `[get, private set]`

  Command to manage the close document event
- IHighlightingDefinition SyntaxHighlighting `[get, set]`

  The Syntax highlighting configuration
- TextDocument Document `[get, set]`

  Document to show
- string TextToShow `[get, set]`

  Text to show in the editor
- string Title `[get, set]`

  Name of the file, tab title
- string ToolTip `[get, set]`

  The editor shows this text (in this case the file path) when you put the mouse above the title
- bool IsSelected `[get, set]`

  Selected tab in the editor
- bool EditorShowLineNumbers `[get, set]`

  Enable to show line numbers in editor
- Brush EditorLinkTextForegroundBrush `[get, set]`

  Color for links
- int EditorFontSize `[get, set]`

  Font size in editor
- int ScrollToLine `[get, set]`

  Move the scroll to a line
- DelegateCommand SaveCommand `[get, private set]`

  Command to manage the save event

Métodos privados

- void WatcherOnChanged (object sender, FileSystemEventArgs fileSystemEventArgs)

  Show a dialog where you can reload the file if it has changed
- void SaveFile ()

  Save file with the fileSystemWatcher disable, because we don't want a notification as "The file has changed"
- void CloseFile ()

Atributos privados

- TextDocument _document
- int _editorFontSize
- bool _editorIsModified
- Brush _editorLinkTextForegroundBrush
- bool _editorShowLineNumbers
- bool _isSelected
- IHighlightingDefinition _syntaxHighlighting
- string _textoToShow

- string _title
- string _toolTip
- FileSystemWatcher _watcher
- int _scrollToLine

6.11.1. Descripción detallada

ViewModel for the editor view

6.11.2. Documentación del constructor y destructor

6.11.2.1. Web_Studio.Editor.EditorViewModel.EditorViewModel (string *title,* string *path,* bool *showLineNumbers,* Brush *linkTextForeground,* int *fontSize*) [inline]

Default constructor

```
00047         {
00048             //Config editor
00049             Title = title;
00050             ToolTip = path;
00051             IsSelected = true;
00052             EditorShowLineNumbers = showLineNumbers;
00053             EditorLinkTextForegroundBrush = linkTextForeground;
00054             EditorFontSize = fontSize;
00055             CloseCommand = new DelegateCommand(CloseFile);
00056             SaveCommand = new DelegateCommand(SaveFile);
00057             SaveChangesConfirmationRequest = new
      InteractionRequest<IConfirmation>();
00058             ReloadConfirmationRequest = new InteractionRequest<IConfirmation>();
00059 
00060             //Load file
00061             var streamReader = File.OpenText(ToolTip);
00062             _document = new TextDocument(streamReader.ReadToEnd());
00063             streamReader.Close();
00064 
00065             //Load SyntaxHighlighting
00066             var syntaxHighlighterTool = new SyntaxHighlighterTool();
00067             SyntaxHighlighting = syntaxHighlighterTool.SyntaxHighlightingMode(path);
00068 
00069 
00070             _watcher = new FileSystemWatcher
00071             {
00072                 Path = Path.GetDirectoryName(path),
00073                 Filter = Path.GetFileName(path),
00074                 NotifyFilter = NotifyFilters.LastWrite
00075             };
00076             _watcher.Changed += WatcherOnChanged;
00077             // Begin watching
00078             _watcher.EnableRaisingEvents = true;
00079         }
```

6.11.3. Documentación de las funciones miembro

6.11.3.1. void Web_Studio.Editor.EditorViewModel.CloseFile ( ) [inline],[private]

```
00242         {
00243             if (EditorIsModified)
00244             {
00245                 var contenTextBox = new TextBlock
00246                 {
00247                     Text = Strings.SaveChangesDescription,
00248                     Foreground = new SolidColorBrush(Colors.White)
00249                 };
00250 
00251                 SaveChangesConfirmationRequest.Raise(
00252                     new Confirmation {Content = contenTextBox, Title = Strings.SaveChanges},
00253                     c =>
00254                     {
00255                         if (c.Confirmed) //Exit without save changes
00256                         {
00257                             EventSystem.Publish(new ClosedDocumentEvent {ClosedDocument = this});
00258                         }
```

```
00259                     });
00260             }
00261             else
00262             {
00263                 EventSystem.Publish(new ClosedDocumentEvent {ClosedDocument =
      this});
00264             }
00265         }
```

6.11.3.2. void Web_Studio.Editor.EditorViewModel.SaveFile ( ) [inline], [private]

Save file with the fileSystemWatcher disable, because we don't want a notification as "The file has changed"

```
00122         {
00123             _watcher.EnableRaisingEvents = false; //Disable fileSystemWatcher
00124            File.WriteAllText(ToolTip,Document.Text);
00125             EditorIsModified = false;
00126             _watcher.EnableRaisingEvents = true; //Enable fileSystemWatcher
00127
00128         }
```

6.11.3.3. void Web_Studio.Editor.EditorViewModel.WatcherOnChanged (object *sender*, FileSystemEventArgs *fileSystemEventArgs*) [inline], [private]

Show a dialog where you can reload the file if it has changed

Parámetros

sender	
fileSystem↩ EventArgs	

```
00087         {
00088                 try
00089                 {
00090                     _watcher.EnableRaisingEvents = false;
00091                     Application.Current.Dispatcher.Invoke(delegate
00092                     {
00093                         var contenTextBox = new TextBlock
00094                         {
00095                             Text = Strings.FileHasChangedDescription,
00096                             Foreground = new SolidColorBrush(Colors.White)
00097                         };
00098                         ReloadConfirmationRequest.Raise(
00099                             new Confirmation {Content = contenTextBox, Title = Strings.FileHasChanged}
      ,
00100                             c =>
00101                             {
00102                                 if (c.Confirmed)
00103                                 {
00104                                     var streamReader = File.OpenText(ToolTip);
00105                                     Document = new TextDocument(streamReader.ReadToEnd());
00106                                     streamReader.Close();
00107                                 }
00108                             });
00109                     });
00110                 }
00111
00112                 finally
00113                 {
00114                     _watcher.EnableRaisingEvents = true;
00115                 }
00116         }
```

6.11.4. Documentación de los datos miembro

6.11.4.1. TextDocument Web_Studio.Editor.EditorViewModel._document [private]

6.11.4.2. int Web_Studio.Editor.EditorViewModel._editorFontSize [private]

6.11.4.3. bool Web_Studio.Editor.EditorViewModel._editorIsModified [private]

6.11.4.4. Brush Web_Studio.Editor.EditorViewModel._editorLinkTextForegroundBrush [private]

6.11.4.5. bool Web_Studio.Editor.EditorViewModel._editorShowLineNumbers [private]

6.11.4.6. bool Web_Studio.Editor.EditorViewModel._isSelected [private]

6.11.4.7. int Web_Studio.Editor.EditorViewModel._scrollToLine [private]

6.11.4.8. IHighlightingDefinition Web_Studio.Editor.EditorViewModel._syntaxHighlighting [private]

6.11.4.9. string Web_Studio.Editor.EditorViewModel._textoToShow [private]

6.11.4.10. string Web_Studio.Editor.EditorViewModel._title [private]

6.11.4.11. string Web_Studio.Editor.EditorViewModel._toolTip [private]

6.11.4.12. FileSystemWatcher Web_Studio.Editor.EditorViewModel._watcher [private]

6.11.5. Documentación de propiedades

6.11.5.1. DelegateCommand Web_Studio.Editor.EditorViewModel.CloseCommand [get], [private set]

Command to manage the close document event

Referenciado por Web_Studio.Editor.TextEditorMvvm.Close().

6.11.5.2. TextDocument Web_Studio.Editor.EditorViewModel.Document [get], [set]

Document to show

6.11.5.3. int Web_Studio.Editor.EditorViewModel.EditorFontSize [get], [set]

Font size in editor

6.11.5.4. bool Web_Studio.Editor.EditorViewModel.EditorIsModified [get], [set]

the document is modified

6.11.5.5. Brush Web_Studio.Editor.EditorViewModel.EditorLinkTextForegroundBrush [get], [set]

Color for links

6.11.5.6. bool Web_Studio.Editor.EditorViewModel.EditorShowLineNumbers [get], [set]

Enable to show line numbers in editor

6.11.5.7. bool Web_Studio.Editor.EditorViewModel.IsSelected [get], [set]

Selected tab in the editor

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.SelectedItemChanged().

6.11.5.8. InteractionRequest<IConfirmation> Web_Studio.Editor.EditorViewModel.ReloadConfirmationRequest [get]

Confirmation event popup for reload

6.11.5.9. InteractionRequest<IConfirmation> Web_Studio.Editor.EditorViewModel.SaveChangesConfirmationRequest [get]

Confirmation event popup

6.11.5.10. DelegateCommand Web_Studio.Editor.EditorViewModel.SaveCommand [get], [private set]

Command to manage the save event

Referenciado por Web_Studio.Editor.TextEditorMvvm.Save().

6.11.5.11. int Web_Studio.Editor.EditorViewModel.ScrollToLine [get], [set]

Move the scroll to a line

6.11.5.12. IHighlightingDefinition Web_Studio.Editor.EditorViewModel.SyntaxHighlighting [get], [set]

The Syntax highlighting configuration

6.11.5.13. string Web_Studio.Editor.EditorViewModel.TextToShow [get], [set]

Text to show in the editor

6.11.5.14. string Web_Studio.Editor.EditorViewModel.Title [get], [set]

Name of the file, tab title

6.11.5.15. string Web_Studio.Editor.EditorViewModel.ToolTip [get], [set]

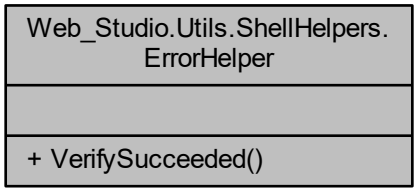
The editor shows this text (in this case the file path) when you put the mouse above the title

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/EditorViewModel.cs

6.12. Referencia de la Clase Web_Studio.Utils.ShellHelpers.ErrorHelper

Diagrama de colaboración para Web_Studio.Utils.ShellHelpers.ErrorHelper:



Métodos públicos estáticos

- static void VerifySucceeded (UInt32 hresult)

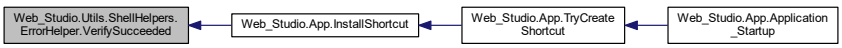
6.12.1. Documentación de las funciones miembro

6.12.1.1. static void Web_Studio.Utils.ShellHelpers.ErrorHelper.VerifySucceeded (UInt32 *hresult*) [inline], [static]

Referenciado por Web_Studio.App.InstallShortcut().

```
00132             {
00133                 if (hresult > 1)
00134                 {
00135                     throw new Exception("Failed with HRESULT: " + hresult.ToString("X"));
00136                 }
00137             }
```

Gráfico de llamadas a esta función:



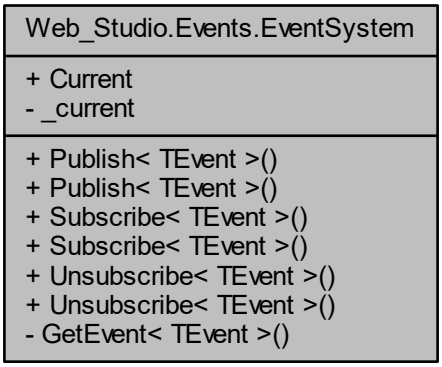
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ShellHelpers.cs

6.13. Referencia de la Clase Web_Studio.Events.EventSystem

Class to mange events

Diagrama de colaboración para Web_Studio.Events.EventSystem:



Métodos públicos estáticos

- static void Publish< TEvent > ()

  Static method to publish an event
- static void Publish< TEvent > (TEvent @event)

  Static method to publish the event
- static SubscriptionToken Subscribe< TEvent > (Action action, ThreadOption threadOption=ThreadOption.↩ PublisherThread, bool keepSubscriberReferenceAlive=false)

  Method to subscribe for an event
- static SubscriptionToken Subscribe< TEvent > (Action< TEvent > action, ThreadOption thread↩ Option=ThreadOption.PublisherThread, bool keepSubscriberReferenceAlive=false, Predicate< TEvent > filter=null)

  Method to subscribe for a filter event
- static void Unsubscribe< TEvent > (SubscriptionToken token)

  Static method to unsubscribe for an event with token
- static void Unsubscribe< TEvent > (Action< TEvent > subscriber)

  Static method to unsubscribe for an event with action

Propiedades

- static IEventAggregator Current `[get]`

  Prism event system class

Métodos privados estáticos

- static PubSubEvent< TEvent > GetEvent< TEvent > ()

Atributos privados estáticos

- static IEventAggregator _current

6.13.1. Descripción detallada

Class to mange events

6.13.2. Documentación de las funciones miembro

6.13.2.1. static PubSubEvent<TEvent> Web_Studio.Events.EventSystem.GetEvent< TEvent > ( ) [inline], [static], [private]

```
00022         {
00023             return Current.GetEvent<PubSubEvent<TEvent»();
00024         }
```

6.13.2.2. static void Web_Studio.Events.EventSystem.Publish< TEvent > ( ) [inline], [static]

Static method to publish an event

Template Parameters

TEvent	

```
00031         {
00032             Publish(default(TEvent));
00033         }
```

6.13.2.3. static void Web_Studio.Events.EventSystem.Publish< TEvent > (TEvent @ *event*) [inline], [static]

Static method to publish the event

Template Parameters

TEvent	

Parámetros

event	

```
00041         {
00042             GetEvent<TEvent>().Publish(@event);
00043         }
```

6.13.2.4. static SubscriptionToken Web_Studio.Events.EventSystem.Subscribe< TEvent > (Action *action*, ThreadOption *threadOption* = ThreadOption.PublisherThread, bool *keepSubscriberReferenceAlive* = false) [inline], [static]

Method to subscribe for an event

Template Parameters

TEvent	

Parámetros

action	
threadOption	
keepSubscriberReferenceAlive	

Devuelve

```
00055         {
00056             return Subscribe<TEvent>(e => action(), threadOption,
      keepSubscriberReferenceAlive);
00057         }
```

6.13.2.5. static SubscriptionToken Web_Studio.Events.EventSystem.Subscribe< TEvent > (Action< TEvent > *action*, ThreadOption *threadOption* = ThreadOption.PublisherThread, bool *keepSubscriberReferenceAlive* = false, Predicate< TEvent > *filter* = null) [inline], [static]

Method to subscribe for a filter event

Template Parameters

TEvent	

Parámetros

action	
threadOption	
keepSubscriberReferenceAlive	
filter	

Devuelve

```
00071         {
00072             return GetEvent<TEvent>().Subscribe(action, threadOption,
      keepSubscriberReferenceAlive, filter);
00073         }
```

6.13.2.6. static void Web_Studio.Events.EventSystem.Unsubscribe< TEvent > (SubscriptionToken *token*) [inline], [static]

Static method to unsubscribe for an event with token

Parámetros

token	

Template Parameters

TEvent	

```
00081         {
00082             GetEvent<TEvent>().Unsubscribe(token);
00083         }
```

6.13.2.7. static void Web_Studio.Events.EventSystem.Unsubscribe< TEvent > (Action< TEvent > *subscriber*) [inline], [static]

Static method to unsubscribe for an event with action

Parámetros

subscriber	

Template Parameters

TEvent	

```
00091         {
00092             GetEvent<TEvent>().Unsubscribe(subscriber);
00093         }
```

6.13.3. Documentación de los datos miembro

6.13.3.1. IEventAggregator Web_Studio.Events.EventSystem._current [static],[private]

6.13.4. Documentación de propiedades

6.13.4.1. IEventAggregator Web_Studio.Events.EventSystem.Current [static],[get]

Prism event system class

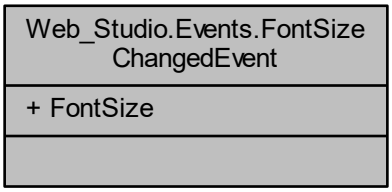
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/EventSystem.cs

6.14. Referencia de la Clase Web_Studio.Events.FontSizeChangedEvent

Font size changed event

Diagrama de colaboración para Web_Studio.Events.FontSizeChangedEvent:



Propiedades

- int FontSize [get, set]

  New font size

6.14.1. Descripción detallada

Font size changed event

6.14.2. Documentación de propiedades

6.14.2.1. int Web_Studio.Events.FontSizeChangedEvent.FontSize [get],[set]

New font size

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.ManageChangedFont().

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/FontSizeChangedEvent.cs

6.15. Referencia de la Clase Web_Studio.FtpClient

Code behind FtpClient.xaml

Diagrama de herencias de Web_Studio.FtpClient

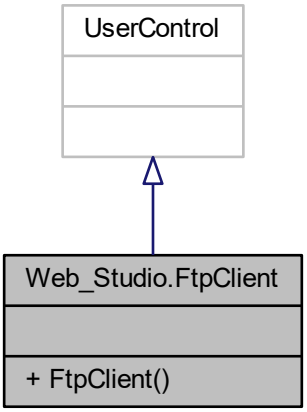
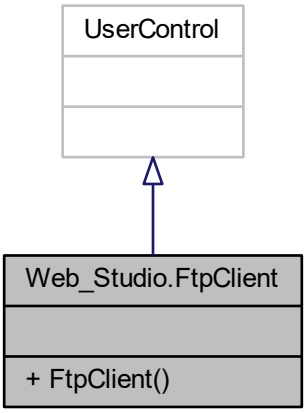


Diagrama de colaboración para Web_Studio.FtpClient:



Métodos públicos

- FtpClient ()

  Default constructor

6.15.1. Descripción detallada

Code behind FtpClient.xaml

6.15.2. Documentación del constructor y destructor

6.15.2.1. Web_Studio.FtpClient.FtpClient ( ) [inline]

Default constructor

```
00014         {
00015             InitializeComponent();
00016         }
```

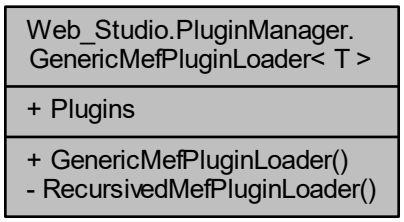
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/FtpClient.xaml.cs

6.16. Referencia de la plantilla de la Clase Web_Studio.PluginManager.GenericMef↩ PluginLoader< T >

Class for loading plugins in MEF arch

Diagrama de colaboración para Web_Studio.PluginManager.GenericMefPluginLoader< T >:



Métodos públicos

- GenericMefPluginLoader (string path)

  Loader method

Propiedades

- IEnumerable< T > Plugins `[get, set]`

  List of Plugins that implements T type

Métodos privados

- void RecursivedMefPluginLoader (AggregateCatalog catalog, string path)

  Recursived plugin loader

6.16.1. Descripción detallada

Class for loading plugins in MEF arch

Template Parameters

T	

6.16.2. Documentación del constructor y destructor

6.16.2.1. Web_Studio.PluginManager.GenericMefPluginLoader< T >.GenericMefPluginLoader (string *path*) `[inline]`

Loader method

Parámetros

path	

```
00020         {
00021             //var directoryCatalog = new DirectoryCatalog(path);
00022 
00023             //An aggregate catalog that combines multiple catalogs
```

```
00024             //var catalog = new AggregateCatalog(directoryCatalog);
00025             var catalog = new AggregateCatalog();
00026             RecursivedMefPluginLoader(catalog,path);
00027 
00028 
00029             // Create the CompositionContainer with all parts in the catalog (links Exports and Imports)
00030             var container = new CompositionContainer(catalog);
00031 
00032             //Fill the imports of this object
00033             container.ComposeParts(this);
00034         }
```

6.16.3. Documentación de las funciones miembro

6.16.3.1. void Web_Studio.PluginManager.GenericMefPluginLoader< T >.RecursivedMefPluginLoader (AggregateCatalog *catalog,* string *path*) [inline], [private]

Recursived plugin loader

Parámetros

catalog	
path	

```
00048         {
00049             Queue<string> directories = new Queue<string>();
00050             directories.Enqueue(path);
00051             while (directories.Count > 0)
00052             {
00053                 var directory = directories.Dequeue();
00054                 //Load plugins in this folder
00055                 var directoryCatalog = new DirectoryCatalog(directory);
00056                 catalog.Catalogs.Add(directoryCatalog);
00057 
00058                 //Add subDirectories to the queue
00059                 var subDirectories = Directory.GetDirectories(directory);
00060                 foreach (string subDirectory in subDirectories)
00061                 {
00062                     directories.Enqueue(subDirectory);
00063                 }
00064             }
00065         }
```

6.16.4. Documentación de propiedades

6.16.4.1. IEnumerable<T> Web_Studio.PluginManager.GenericMefPluginLoader< T >.Plugins [get], [set]

List of Plugins that implements T type

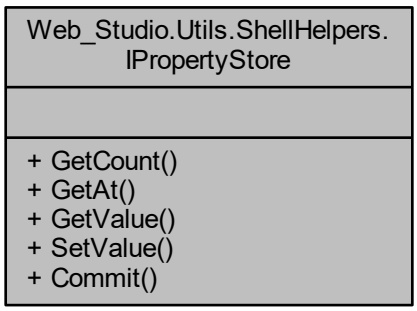
Referenciado por Web_Studio.PluginManager.ValidationPluginManager.Load().

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/GenericMEFPluginLoader.cs

6.17. Referencia de la Interfaz Web_Studio.Utils.ShellHelpers.IPropertyStore

Diagrama de colaboración para Web_Studio.Utils.ShellHelpers.IPropertyStore:



Métodos públicos

- UInt32 GetCount ([Out] out uint propertyCount)
- UInt32 GetAt ([In] uint propertyIndex, out PropertyKey key)
- UInt32 GetValue ([In] ref PropertyKey key, [Out] PropVariant pv)
- UInt32 SetValue ([In] ref PropertyKey key, [In] PropVariant pv)
- UInt32 Commit ()

6.17.1. Documentación de las funciones miembro

6.17.1.1. UInt32 Web_Studio.Utils.ShellHelpers.IPropertyStore.Commit ( )

6.17.1.2. UInt32 Web_Studio.Utils.ShellHelpers.IPropertyStore.GetAt ([In] uint *propertyIndex,* out PropertyKey *key*)

6.17.1.3. UInt32 Web_Studio.Utils.ShellHelpers.IPropertyStore.GetCount ([Out] out uint *propertyCount*)

6.17.1.4. UInt32 Web_Studio.Utils.ShellHelpers.IPropertyStore.GetValue ([In] ref PropertyKey *key,* [Out] PropVariant *pv*)

6.17.1.5. UInt32 Web_Studio.Utils.ShellHelpers.IPropertyStore.SetValue ([In] ref PropertyKey *key,* [In] PropVariant *pv*)

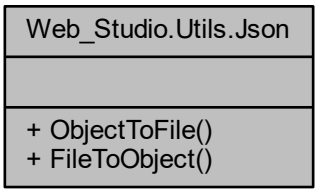
La documentación para este interfaz fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ShellHelpers.cs

6.18. Referencia de la Clase Web_Studio.Utils.Json

Class to manage importation and exportation in JSON format

Diagrama de colaboración para Web_Studio.Utils.Json:



Métodos públicos estáticos

- static bool ObjectToFile (object myObject, string path)

  Write an object in JSON format in a path
- static object FileToObject (object typeOfClass, string path)

  Read an object from json file. In case of exception return null

6.18.1. Descripción detallada

Class to manage importation and exportation in JSON format

6.18.2. Documentación de las funciones miembro

6.18.2.1. static object Web_Studio.Utils.Json.FileToObject (object *typeOfClass,* string *path*) [inline],[static]

Read an object from json file. In case of exception return null

Parámetros

typeOfClass	It's needed to parse the json file
path	

Devuelve

```
00042         {
00043             try
00044             {
00045                 //Try to find the config file
00046                 using (var file = File.OpenText(path))
00047                 {
00048                     var serializer = new JsonSerializer();
00049                     return serializer.Deserialize(file, typeOfClass.GetType());
00050                 }
00051             }
00052             catch (Exception) //FileException or JSonException --> use default values
00053             {
00054                 return null;
00055             }
00056         }
```

6.18.2.2. static bool Web_Studio.Utils.Json.ObjectToFile (object *myObject,* string *path*) [inline],[static]

Write an object in JSON format in a path

Parámetros

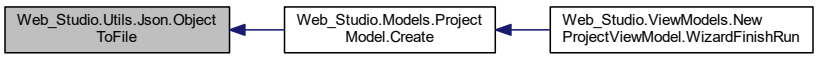
myObject	
path	

Devuelve

Referenciado por Web_Studio.Models.ProjectModel.Create().

```
00019         {
00020             try
00021             {
00022                 using (var file = File.CreateText(path))
00023                 {
00024                     var serializer = new JsonSerializer {Formatting = Formatting.Indented};
00025                     serializer.Serialize(file, myObject);
00026                 }
00027             }
00028             catch (Exception)
00029             {
00030                 return false;
00031             }
00032             return true;
00033         }
```

Gráfico de llamadas a esta función:



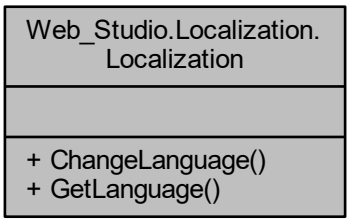
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Json.cs

6.19. Referencia de la Clase Web_Studio.Localization.Localization

Class to manage the app language

Diagrama de colaboración para Web_Studio.Localization.Localization:



Métodos públicos estáticos

- static void ChangeLanguage (CultureInfo culture)

  It changes the language with the culture provided
- static CultureInfo GetLanguage (List< CultureInfo > languages)

  Search for the best localization that we have with your system language

6.19.1. Descripción detallada

Class to manage the app language

6.19.2. Documentación de las funciones miembro

6.19.2.1. static void Web_Studio.Localization.Localization.ChangeLanguage (CultureInfo *culture*) [inline], [static]

It changes the language with the culture provided

Parámetros

culture	

Hace referencia a Web_Studio.Properties.Settings.Default y Web_Studio.Properties.Settings.Language.

```
00022         {
00023             LocalizeDictionary.Instance.SetCurrentThreadCulture = true;
00024             LocalizeDictionary.Instance.Culture = culture;
00025             Thread.CurrentThread.CurrentUICulture = culture;
00026             Thread.CurrentThread.CurrentCulture = culture;
00027             CultureInfo.DefaultThreadCurrentCulture = culture;    //Other threads
00028             CultureInfo.DefaultThreadCurrentUICulture = culture;  // Other threads
00029             EventSystem.Publish(new ChangedLanguageEvent {CultureInfo =
      culture});
00030             Settings.Default.Language = culture.Name;
00031         }
```

6.19.2.2. static CultureInfo Web_Studio.Localization.Localization.GetLanguage (List< CultureInfo > *languages*) [inline], [static]

Search for the best localization that we have with your system language

Parámetros

languages	

Devuelve

```
00039         {
00040             var myCulture = CultureInfo.CurrentUICulture;
00041             if (languages.Any(c => string.Equals(c.Name, myCulture.Name, StringComparison.
      CurrentCultureIgnoreCase))) //we have the language
00042             {
00043                 return myCulture;
00044             }
00045             var parentCulture =  languages.FirstOrDefault(c => string.Equals(c.Name, myCulture.Parent.Name,
       StringComparison.CurrentCultureIgnoreCase));
00046             if (parentCulture != null) //We have the parent example ES-ES to ES
00047             {
00048                 return parentCulture;
00049             }
00050             var brotherCulture = languages.FirstOrDefault(c => string.Equals(c.Parent.Name,myCulture.Parent
      .Name, StringComparison.CurrentCultureIgnoreCase));
00051             if (brotherCulture != null) return brotherCulture; //use a language with the same parent,
```

```
      example ES-ES for ES-MX
00052
00053             return new CultureInfo("en"); //Use English as default value
00054         }
```

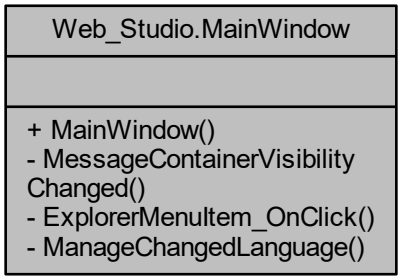
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Localization.cs

6.20. Referencia de la Clase Web_Studio.MainWindow

Lógica de interacción para MainWindow.xaml

Diagrama de colaboración para Web_Studio.MainWindow:



Métodos públicos

- MainWindow ()

  Default constructor

Métodos privados

- void MessageContainerVisibilityChanged (MessageContainerVisibilityChangedEvent obj)

  Update visiblity of container
- void ExplorerMenuItem_OnClick (object sender, RoutedEventArgs e)

  Show explorer control
- void ManageChangedLanguage (ChangedLanguageEvent obj)

  Method to manage the changed language event

6.20.1. Descripción detallada

Lógica de interacción para MainWindow.xaml

6.20.2. Documentación del constructor y destructor

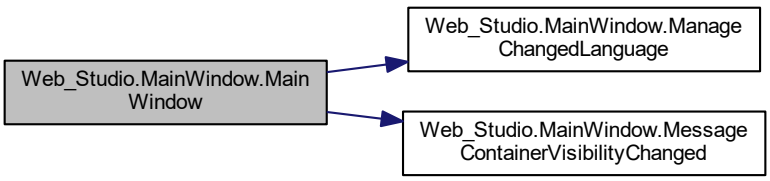
6.20.2.1. Web_Studio.MainWindow.MainWindow ( ) [inline]

Default constructor

Hace referencia a Web_Studio.MainWindow.ManageChangedLanguage() y Web_Studio.MainWindow.MessageContainerVisibilityChanged().

```
00017         {
00018             InitializeComponent();
00019             messagesContainer.ToggleAutoHide();
00020             var root = (LayoutAnchorablePane)messagesContainer.Parent;
00021             root.DockHeight = new GridLength(200);
00022             EventSystem.Subscribe<ChangedLanguageEvent>(
      ManageChangedLanguage);
00023             EventSystem.Subscribe<
      MessageContainerVisibilityChangedEvent>(
      MessageContainerVisibilityChanged);
00024         }
```

Gráfico de llamadas para esta función:



6.20.3. Documentación de las funciones miembro

6.20.3.1. void Web_Studio.MainWindow.ExplorerMenuItem_OnClick (object *sender,* RoutedEventArgs *e*) [inline], [private]

Show explorer control

Parámetros

sender	
e	

```
00049         {
00050             ExplorerLayout.Show();
00051         }
```

6.20.3.2. void Web_Studio.MainWindow.ManageChangedLanguage (ChangedLanguageEvent *obj*) [inline], [private]

Method to manage the changed language event

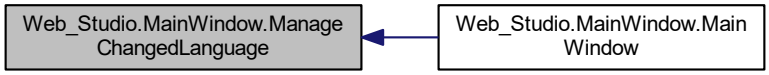
Parámetros

obj	

Referenciado por Web_Studio.MainWindow.MainWindow().

```
00058         {
00059             BusyControl.RefreshUI();
00060             MessageListControl.RefreshUI();
00061         }
```

Gráfico de llamadas a esta función:



6.20.3.3. void Web_Studio.MainWindow.MessageContainerVisibilityChanged (MessageContainerVisibilityChanged↩ Event *obj*) [inline],[private]

Update visiblity of container

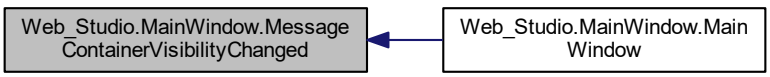
Parámetros

obj	

Referenciado por Web_Studio.MainWindow.MainWindow().

```
00031         {
00032             try
00033             {
00034                 messagesContainer.IsActive = IsVisible;
00035 
00036             }
00037             catch (Exception e)
00038             {
00039               Telemetry.Telemetry.TelemetryClient.TrackException(e);
00040             }
00041         }
```

Gráfico de llamadas a esta función:



La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MainWindow.xaml.cs

6.21. Referencia de la Clase Web_Studio.ViewModels.MainWindowViewModel

ViewModel for my custom Avalon TextEditor (aka TextEditorMvvm)

Diagrama de herencias de Web_Studio.ViewModels.MainWindowViewModel

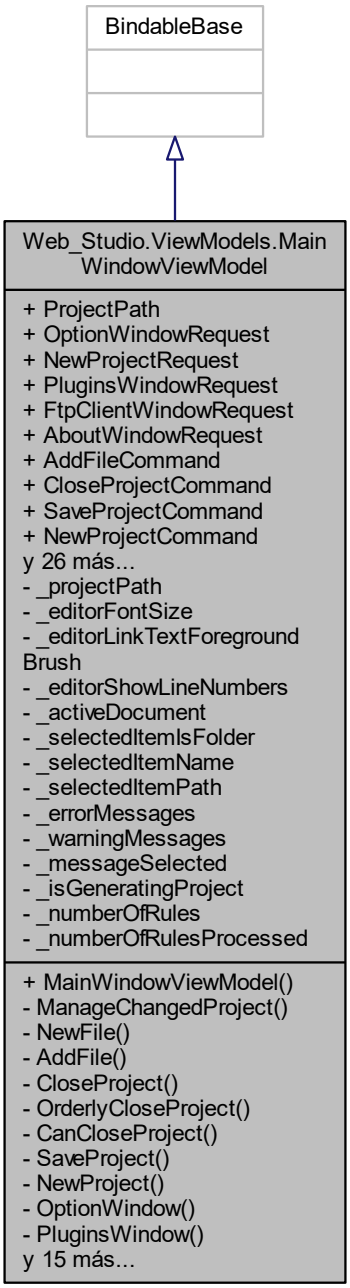
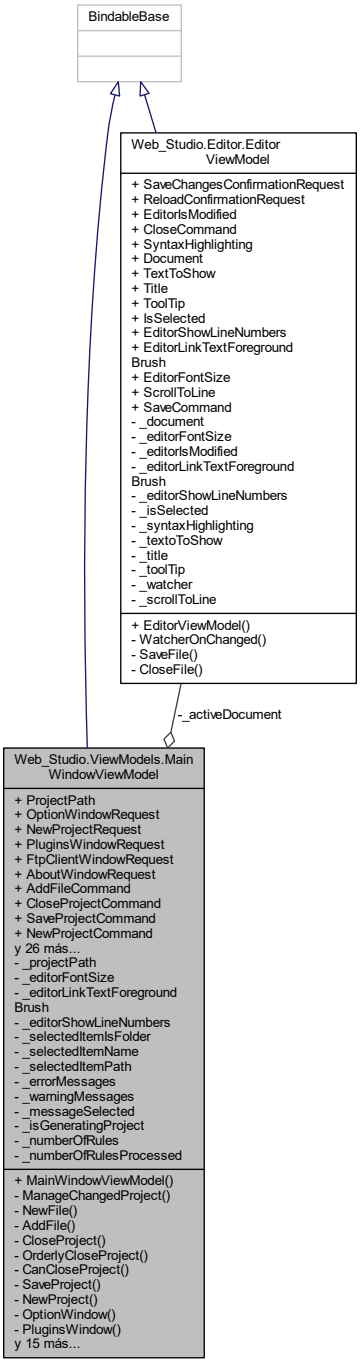


Diagrama de colaboración para Web_Studio.ViewModels.MainWindowViewModel:



Métodos públicos

- MainWindowViewModel ()

  Default constructor, it loads the values from user config.

Propiedades

- string ProjectPath `[get, set]`
  Path to the loaded project
- InteractionRequest< INotification > OptionWindowRequest `[get, set]`
  It request the view to open the option window
- InteractionRequest< INotification > NewProjectRequest `[get, set]`
  It request the view to open the new project window
- InteractionRequest< INotification > PluginsWindowRequest `[get, set]`
  It request the view to open the plugins window
- InteractionRequest< INotification > FtpClientWindowRequest `[get, set]`
  It request the view to open the FTP client window
- InteractionRequest< INotification > AboutWindowRequest `[get, set]`
  It request the view to open the about window
- DelegateCommand AddFileCommand `[get, private set]`
  Add file menu command
- DelegateCommand CloseProjectCommand `[get, private set]`
  Close project menu command
- DelegateCommand SaveProjectCommand `[get, private set]`
  Save project menu command
- DelegateCommand NewProjectCommand `[get, private set]`
  New project menu option command
- DelegateCommand NewFileCommand `[get, private set]`
  New file menu option
- DelegateCommand OpenProjectCommand `[get, private set]`
  Open project menu command
- DelegateCommand OptionWindowCommand `[get, private set]`
  Option menu command
- DelegateCommand PluginsWindowCommand `[get, private set]`
  Plugins menu command
- DelegateCommand FtpClientCommand `[get, private set]`
  FTP client menu command
- DelegateCommand AboutWindowCommand `[get, private set]`
  About window command
- InteractionRequest< IConfirmation > SaveChangesInteractionRequest `[get]`
  Request to open save changes window
- ObservableCollection< EditorViewModel > Documents `[get]`
  Collection of Documents, editor tabs
- EditorViewModel ActiveDocument `[get, set]`
  Active document
- bool EditorShowLineNumbers `[get, set]`
  Enable to show line numbers in editor
- Brush EditorLinkTextForegroundBrush `[get, set]`
  Color for links
- int EditorFontSize `[get, set]`
  Font size in editor
- DelegateCommand< INode > ExplorerControlItemRemovedCommand `[get, private set]`
  Command to manage removed item changed
- InteractionRequest< IConfirmation > ItemRemovedRequest `[get]`
  Request to show the removed item window
- string SelectedItemName `[get, set]`

Name of the selected item in the explorer view

- string SelectedItemPath `[get, set]`

  Path to the selected item in the explorer view
- bool SelectedItemIsFolder `[get, set]`

  Is a folder the selected item in the explorer view
- DelegateCommand SelectedItemChangedCommand `[get, private set]`

  Command to manage the selected item changed "event"
- FastObservableCollection< AnalysisResult > Results `[get, set]`

  Collection with the messages generated by the plugins
- DelegateCommand GenerateCommand `[get, private set]`

  Command to manage the generate option
- BackgroundWorker GenerationWorker `[get, set]`

  the worker for project generation
- AnalysisResult MessageSelected `[get, set]`

  Selected message in message list control
- bool IsGeneratingProject `[get, set]`

  True if we are generating the project => enable busycontrol
- int NumberOfRules `[get, set]`

  Total number of rules to process
- int NumberOfRulesProcessed `[get, set]`

  Number of rules that we have already processed
- DelegateCommand BusyControlCancelCommand `[get, private set]`

  Manage the cancel button

Métodos privados

- void ManageChangedProject (ChangedProjectEvent obj)
- void NewFile ()

  Create and open a new file
- void AddFile ()

  Select a file and copy it to project src
- void CloseProject ()

  Manage the close project event
- void OrderlyCloseProject ()

  Close project orderly
- bool CanCloseProject ()

  Check if we can close the project
- void SaveProject ()

  Save project configuration
- void NewProject ()

  Raise new project request
- void OptionWindow ()

  Raise option window request
- void PluginsWindow ()

  Raise plugin window request
- void FtpClientWindow ()

  Raise Ftp client window request
- void AboutWindow ()

  Raise About window request
- void OpenProject ()

Display a dialog to select a project

- void ManageDocumentClosed (ClosedDocumentEvent obj)

  Remove closed document
- void ManageChangedShowLineNumbers (ShowLineNumbersEvent obj)

  Method to manage the chage show line numbers event
- void ManageChangedFont (FontSizeChangedEvent obj)

  Method to manage the change font event
- void ExplorerControlItemRemoved (INode node)

  Method to manage the remove command, ask for confirmation, and close removed documents
- void SelectedItemChanged ()

  Open the selected file and display it if you can do it
- EditorViewModel SearchOrCreateDocument (string path)

  Search for a document if it finds it, it returns it, else it creates a new Document and return it
- void Generate ()

  Generate the new project
- void GenerationWorkerOnDoWork (object sender, DoWorkEventArgs doWorkEventArgs)

  Run plugins and fixes
- void GenerationWorkerOnRunWorkerCompleted (object sender, RunWorkerCompletedEventArgs run↩ WorkerCompletedEventArgs)

  When worker finishes
- void CopySourceToRelease ()

  Method to copy all files in source to release
- void GoToMessageLine ()

  When a message is selected, open the document of the message and go to the line
- void BusyControlCancel ()

  Cancel the project generation

Atributos privados

- string _projectPath
- int _editorFontSize
- Brush _editorLinkTextForegroundBrush
- bool _editorShowLineNumbers
- EditorViewModel _activeDocument
- bool _selectedItemIsFolder
- string _selectedItemName
- string _selectedItemPath
- int _errorMessages \"
- int _warningMessages
- AnalysisResult _messageSelected
- bool _isGeneratingProject
- int _numberOfRules
- int _numberOfRulesProcessed

6.21.1. Descripción detallada

ViewModel for my custom Avalon TextEditor (aka TextEditorMvvm)

6.21.2. Documentación del constructor y destructor

6.21.2.1. Web_Studio.ViewModels.MainWindowViewModel.MainWindowViewModel ( ) [inline]

Default constructor, it loads the values from user config.

Hace referencia a Web_Studio.Properties.Settings.Default, Web_Studio.Properties.Settings.EditorFontSize, Web_Studio.Properties.Settings.EditorLinkTextForegroundBrush, Web_Studio.Properties.Settings.EditorShowLineNumbers, Web_Studio.Models.ProjectModel.FullPath y Web_Studio.Models.ProjectModel.Instance.

```
00039         {
00040             if (ProjectModel.Instance.FullPath != null)
00041             {
00042                 ProjectPath = ProjectModel.Instance.
      FullPath;
00043             }
00044 
00045             //Initialize properties
00046             Documents = new ObservableCollection<EditorViewModel>();
00047             EditorShowLineNumbers = Settings.
      Default.EditorShowLineNumbers;
00048             EditorFontSize = Settings.Default.
      EditorFontSize;
00049             EditorLinkTextForegroundBrush =
00050                 (SolidColorBrush) new BrushConverter().ConvertFrom(Settings.
      Default.EditorLinkTextForegroundBrush);
00051 
00052             Results = new FastObservableCollection<AnalysisResult>();
00053 
00054             OptionWindowRequest = new InteractionRequest<INotification>();
00055             NewProjectRequest = new InteractionRequest<INotification>();
00056             PluginsWindowRequest = new InteractionRequest<INotification>();
00057             SaveChangesInteractionRequest = new
      InteractionRequest<IConfirmation>();
00058             ItemRemovedRequest = new InteractionRequest<IConfirmation>();
00059             FtpClientWindowRequest = new InteractionRequest<INotification>();
00060             AboutWindowRequest = new InteractionRequest<INotification>();
00061 
00062             //Manage commands
00063             SelectedItemChangedCommand = new DelegateCommand(
      SelectedItemChanged);
00064             OpenProjectCommand = new DelegateCommand(
      OpenProject);
00065             OptionWindowCommand = new DelegateCommand(
      OptionWindow);
00066             NewProjectCommand = new DelegateCommand(NewProject);
00067             GenerateCommand = new DelegateCommand(Generate);
00068             PluginsWindowCommand = new DelegateCommand(
      PluginsWindow);
00069             FtpClientCommand = new DelegateCommand(
      FtpClientWindow);
00070             AboutWindowCommand = new DelegateCommand(
      AboutWindow);
00071             CloseProjectCommand = new DelegateCommand(
      CloseProject);
00072             SaveProjectCommand = new DelegateCommand(
      SaveProject);
00073             AddFileCommand = new DelegateCommand(AddFile);
00074             NewFileCommand = new DelegateCommand(NewFile);
00075             BusyControlCancelCommand = new DelegateCommand(
      BusyControlCancel);
00076             ExplorerControlItemRemovedCommand = new DelegateCommand<INode>
      (ExplorerControlItemRemoved);
00077 
00078             //Manage events
00079             EventSystem.Subscribe<FontSizeChangedEvent>(
      ManageChangedFont);
00080             EventSystem.Subscribe<ShowLineNumbersEvent>(
      ManageChangedShowLineNumbers);
00081             EventSystem.Subscribe<ClosedDocumentEvent>(
      ManageDocumentClosed);
00082             EventSystem.Subscribe<ChangedProjectEvent>(
      ManageChangedProject);
00083 
00084             //Worker
00085             GenerationWorker = new BackgroundWorker();
00086             GenerationWorker.DoWork += GenerationWorkerOnDoWork;
00087             GenerationWorker.RunWorkerCompleted +=
      GenerationWorkerOnRunWorkerCompleted;
00088             GenerationWorker.WorkerSupportsCancellation = true;
00089         }
```

6.21.3. Documentación de las funciones miembro

6.21.3.1. void Web_Studio.ViewModels.MainWindowViewModel.AboutWindow ( ) [inline], [private]

Raise About window request

```
00336         {
00337             AboutWindowRequest.Raise(new Notification { Title = Strings.About });
00338         }
```

6.21.3.2. void Web_Studio.ViewModels.MainWindowViewModel.AddFile ( ) [inline], [private]

Select a file and copy it to project src

```
00210         {
00211             if (ProjectPath != null)
00212             {
00213                 var openFile = new OpenFileDialog
00214                 {
00215                     Multiselect = false,
00216                     CheckFileExists = true,
00217                     CheckPathExists = true
00218                 };
00219 
00220                 if (openFile.ShowDialog() == true)
00221                 {
00222                     File.Copy(openFile.FileName,Path.Combine(ProjectPath,"src",Path.GetFileName(
      openFile.FileName))); //Copy file
00223                 }
00224             }
00225 
00226         }
```

6.21.3.3. void Web_Studio.ViewModels.MainWindowViewModel.BusyControlCancel ( ) [inline], [private]

Cancel the project generation

```
00872         {
00873           GenerationWorker.CancelAsync();
00874           Telemetry.Telemetry.TelemetryClient.TrackEvent("Cancel Generation");
00875         }
```

6.21.3.4. bool Web_Studio.ViewModels.MainWindowViewModel.CanCloseProject ( ) [inline], [private]

Check if we can close the project

Devuelve

```
00262         {
00263             bool close = true;
00264                 bool fileModified = Documents.Any(document => document.EditorIsModified);
00265 
00266                 if (fileModified)
00267                 {
00268                     SaveChangesInteractionRequest.Raise(
00269                         new Confirmation {Title = Strings.SaveChanges, Content = Strings.
      SaveProjectChangesDescription},
00270                         c =>
00271                         {
00272                             if (!c.Confirmed)
00273                             {
00274                                 close = false;
00275 
00276                             }
00277                         }
```

```
00278
00279                       );
00280                   }
00281
00282               return close;
00283           }
```

6.21.3.5. void Web_Studio.ViewModels.MainWindowViewModel.CloseProject ( ) [inline], [private]

Manage the close project event

```
00232           {
00233               if (ProjectPath != null) //We have a project open
00234               {
00235                   var close = CanCloseProject();
00236                   if (close)
00237                   {
00238                       OrderlyCloseProject();
00239                   }
00240
00241               }
00242           }
```

6.21.3.6. void Web_Studio.ViewModels.MainWindowViewModel.CopySourceToRelease ( ) [inline], [private]

Method to copy all files in source to release

```
00778           {
00779               string srcPath = Path.Combine(ProjectPath, "src");
00780               string releasePath = Path.Combine(ProjectPath, "release");
00781
00782               if (Directory.Exists(releasePath))      //Remove old release
00783               {
00784                   Directory.Delete(releasePath,true);
00785               }
00786               Directory.CreateDirectory(releasePath);
00787
00788               foreach (string dirPath in Directory.GetDirectories(srcPath, "*", SearchOption.AllDirectories))
      //Crete all directories
00789               {
00790                   Directory.CreateDirectory(dirPath.Replace(srcPath, releasePath));
00791               }
00792
00793               foreach (string newPath in Directory.GetFiles(srcPath, "*.*", SearchOption.AllDirectories))
00794               {
00795                   File.Copy(newPath, newPath.Replace(srcPath, releasePath), true);
00796               }
00797           }
```

6.21.3.7. void Web_Studio.ViewModels.MainWindowViewModel.ExplorerControlItemRemoved (INode *node*) [inline], [private]

Method to manage the remove command, ask for confirmation, and close removed documents

Parámetros

node	

```
00481           {
00482               if (node is FileNode) //Is a File
00483               {
00484                   Application.Current.Dispatcher.Invoke(delegate
00485                   {
00486                       var contenTextBox = new TextBlock
00487                       {
00488                           Text = Strings.RemoveFileDescription,
00489                           Foreground = new SolidColorBrush(Colors.White)
00490                       };
00491                       ItemRemovedRequest.Raise(
00492                           new Confirmation {Content = contenTextBox, Title = Strings.RemoveFolderTitle},
```

```
00493                           c =>
00494                           {
00495                               if (c.Confirmed)
00496                               {
00497                                   try
00498                                   {
00499                                       File.Delete(node.FullPath);
00500                                       Documents.Remove(Documents.FirstOrDefault(t => t.ToolTip == node.FullPa
      th));
00501                                       //Remove document
00502                                   }
00503                                   catch (Exception e)
00504                                   {
00505                                       Telemetry.Telemetry.TelemetryClient.TrackException(e);
00506                                   }
00507                               }
00508                           });
00509                   });
00510               }
00511               if (node is FolderNode)
00512               {
00513                   Application.Current.Dispatcher.Invoke(delegate
00514                   {
00515                       var contenTextBox = new TextBlock
00516                       {
00517                           Text = Strings.RemoveFolderDescription,
00518                           Foreground = new SolidColorBrush(Colors.White)
00519                       };
00520                       ItemRemovedRequest.Raise(
00521                           new Confirmation {Content = contenTextBox, Title = Strings.RemoveFolderTitle},
00522                           c =>
00523                           {
00524                               if (c.Confirmed)
00525                               {
00526                                   try
00527                                   {
00528                                       Directory.Delete(node.FullPath, true);
00529                                       var documentsToRemove = Documents.Where(t => t.ToolTip.Contains(node.Fu
      llPath));
00530                                       foreach (var document in documentsToRemove.ToList())
00531                                       {
00532                                           Documents.Remove(document); //Remove document
00533                                       }
00534                                   }
00535                                   catch (Exception e)
00536                                   {
00537                                      Telemetry.Telemetry.TelemetryClient.TrackException(e);
00538                                   }
00539                               }
00540                           });
00541                   });
00542               }
00543           }
```

6.21.3.8. void Web_Studio.ViewModels.MainWindowViewModel.FtpClientWindow ( ) [inline], [private]

Raise Ftp client window request

```
00328           {
00329               FtpClientWindowRequest.Raise(new Notification {Title = Strings.FtpClient}
      );
00330           }
```

6.21.3.9. void Web_Studio.ViewModels.MainWindowViewModel.Generate ( ) [inline], [private]

Generate the new project

Hace referencia a Web_Studio.PluginManager.ValidationPluginManager.Plugins.

```
00650           {
00651               if (ProjectPath != null && !IsGeneratingProject)
00652               {
00653                   Telemetry.Telemetry.TelemetryClient.TrackEvent("Generation");
00654                   Results.Clear();
00655                   NumberOfRulesProcessed = 0;
00656                   int counter = 0;
00657                   foreach (Lazy<IValidation, IValidationMetadata> plugin in
```

```
      ValidationPluginManager.Plugins)
00658                 {
00659                     if (plugin.Value.IsEnabled)
00660                     {
00661                         counter++;
00662                         if (plugin.Value.IsAutoFixeable)
00663                         {
00664                             counter += 2; //1° Fix and then Check
00665                         }
00666                     }
00667                     if (plugin.Value.IsAutoFixeable) counter++;
00668                 }
00669                 NumberOfRules = counter; //Check and fix each plugin
00670                 IsGeneratingProject = true;
00671                 CopySourceToRelease();
00672                 EventSystem.Publish(new
      MessageContainerVisibilityChangedEvent {IsVisible = true});  //Make
       visible messages container
00673
00674                 GenerationWorker.RunWorkerAsync();
00675
00676             }
00677         }
```

6.21.3.10. void Web_Studio.ViewModels.MainWindowViewModel.GenerationWorkerOnDoWork (object *sender*, DoWorkEventArgs *doWorkEventArgs*) [inline], [private]

Run plugins and fixes

Parámetros

sender	
doWorkEvent↩ Args	

Hace referencia a Web_Studio.PluginManager.ValidationPluginManager.Plugins.

```
00685         {
00686             string releasePath = Path.Combine(ProjectPath, "release");
00687             _errorMessages = 0;
00688             _warningMessages = 0;
00689
00690             //Check loop
00691             foreach (Lazy<IValidation, IValidationMetadata> t in
      ValidationPluginManager.Plugins)
00692             {
00693                 if (GenerationWorker.CancellationPending)  //Manage the cancelation event
00694                 {
00695                     doWorkEventArgs.Cancel = true;
00696                     return;
00697                 }
00698                 var plugin = t.Value;
00699                 if (plugin.IsEnabled)
00700                 {
00701                     var tempResults = plugin.Check(releasePath);
00702                     foreach (AnalysisResult analysisResult in tempResults)
00703                     {
00704                         if (analysisResult.Type == ErrorType.Instance)
      _errorMessages++;
00705                         if (analysisResult.Type == WarningType.Instance)
      _warningMessages++;
00706                     }
00707                     Application.Current.Dispatcher.BeginInvoke((Action)delegate //Update UI
00708                     {
00709                         Results.AddRange(tempResults);
00710                         NumberOfRulesProcessed++;
00711                     });
00712                 }
00713             }
00714
00715             //Fix loop and recheck loop
00716             foreach (Lazy<IValidation, IValidationMetadata> t in
      ValidationPluginManager.Plugins)
00717             {
00718                 if (GenerationWorker.CancellationPending)
00719                 {
00720                     doWorkEventArgs.Cancel = true;
00721                     return;
00722                 }
```

```
00723                 var plugin = t.Value;
00724                 if (plugin.IsAutoFixeable && plugin.IsEnabled)
00725                 {
00726                     //Fix
00727                     var tempResults = t.Value.Fix(releasePath);
00728                     foreach (AnalysisResult analysisResult in tempResults)
00729                     {
00730                         if (analysisResult.Type == ErrorType.Instance)
    _errorMessages++;
00731                         if (analysisResult.Type == WarningType.Instance)
    _warningMessages++;
00732                     }
00733                     Application.Current.Dispatcher.BeginInvoke((Action) delegate //Update UI
00734                     {
00735                         Results.AddRange(tempResults);
00736                         NumberOfRulesProcessed++;
00737                     });
00738 
00739                     //Recheck
00740                     var checkResults = plugin.Check(releasePath);
00741                     foreach (AnalysisResult analysisResult in tempResults)
00742                     {
00743                         if (analysisResult.Type == ErrorType.Instance)
    _errorMessages++;
00744                         if (analysisResult.Type == WarningType.Instance)
    _warningMessages++;
00745                     }
00746                     Application.Current.Dispatcher.BeginInvoke((Action)delegate //Update UI
00747                     {
00748                         Results.AddRange(checkResults);
00749                         NumberOfRulesProcessed++;
00750                     });
00751                 }
00752             }
00753 
00754         }
```

6.21.3.11. void Web_Studio.ViewModels.MainWindowViewModel.GenerationWorkerOnRunWorkerCompleted (object *sender*, RunWorkerCompletedEventArgs *runWorkerCompletedEventArgs*) [inline], [private]

When worker finishes

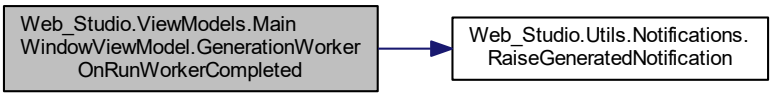
Parámetros

sender	
runWorker↩ Completed↩ EventArgs	

Hace referencia a Web_Studio.Utils.Notifications.RaiseGeneratedNotification().

```
00762         {
00763             IsGeneratingProject = false;
00764             Telemetry.Telemetry.TelemetryClient.TrackMetric("Errors",
    _errorMessages);
00765             Telemetry.Telemetry.TelemetryClient.TrackMetric("Warnings",
    _warningMessages);
00766             Notifications.RaiseGeneratedNotification(
    _errorMessages,_warningMessages);
00767         }
```

Gráfico de llamadas para esta función:



6.21.3.12. void Web_Studio.ViewModels.MainWindowViewModel.GoToMessageLine ( ) [inline], [private]

When a message is selected, open the document of the message and go to the line

```
00820         {
00821             foreach (var doc in Documents)      //put select property to false
00822             {
00823                 doc.IsSelected = false;
00824             }
00825             var myEditor = SearchOrCreateDocument(
      MessageSelected.File);
00826             myEditor.IsSelected = true;
00827             myEditor.ScrollToLine = MessageSelected.Line;
00828         }
```

6.21.3.13. void Web_Studio.ViewModels.MainWindowViewModel.ManageChangedFont (FontSizeChangedEvent *obj*) [inline], [private]

Method to manage the change font event

Parámetros

obj	

Hace referencia a Web_Studio.Events.FontSizeChangedEvent.FontSize.

```
00453         {
00454             EditorFontSize = obj.FontSize;
00455 
00456             foreach (var editorViewModel in Documents)
00457             {
00458                 editorViewModel.EditorFontSize = EditorFontSize;
00459             }
00460         }
```

6.21.3.14. void Web_Studio.ViewModels.MainWindowViewModel.ManageChangedProject (ChangedProjectEvent *obj*) [inline], [private]

Hace referencia a Web_Studio.Models.ProjectModel.FullPath y Web_Studio.Models.ProjectModel.Instance.

```
00103         {
00104             ProjectPath = ProjectModel.Instance.
      FullPath;
00105         }
```

6.21.3.15. void Web_Studio.ViewModels.MainWindowViewModel.ManageChangedShowLineNumbers (ShowLineNumbersEvent *obj*) [inline], [private]

Method to manage the chage show line numbers event

Parámetros

obj	

Hace referencia a Web_Studio.Events.ShowLineNumbersEvent.ShowLineNumbers.

```
00440         {
00441             EditorShowLineNumbers = obj.ShowLineNumbers;
00442             foreach (var editorViewModel in Documents) //Update all editors
00443             {
00444                 editorViewModel.EditorShowLineNumbers = EditorShowLineNumbers;
00445             }
00446         }
```

6.21.3.16. void Web_Studio.ViewModels.MainWindowViewModel.ManageDocumentClosed (ClosedDocumentEvent *obj*) [inline],[private]

Remove closed document

Parámetros

obj	

Hace referencia a Web_Studio.Events.ClosedDocumentEvent.ClosedDocument.

```
00431         {
00432             Documents.Remove(obj.ClosedDocument);
00433         }
```

6.21.3.17. void Web_Studio.ViewModels.MainWindowViewModel.NewFile ( ) [inline], [private]

Create and open a new file

```
00188         {
00189             if (ProjectPath != null)
00190             {
00191                 var saveFile = new SaveFileDialog
00192                 {
00193                     CheckPathExists = true,
00194                     InitialDirectory = Path.Combine(ProjectPath,"src"),
00195                     Filter = "HTML (*.html)|*.html|CSS (*.css)|*.css|JavaScript (*.js)|*.js|" + Strings.
      File + " (*.*)|*.*"
00196                 };
00197                 if (saveFile.ShowDialog() == true)
00198                 {
00199                    File.WriteAllText(saveFile.FileName,String.Empty); //Create file
00200                    SearchOrCreateDocument(saveFile.FileName);
00201                 }
00202             }
00203         }
```

6.21.3.18. void Web_Studio.ViewModels.MainWindowViewModel.NewProject ( ) [inline], [private]

Raise new project request

```
00301         {
00302             NewProjectRequest.Raise(new Notification {Title = Strings.
      WizardCreateNewProject});
00303         }
```

6.21.3.19. void Web_Studio.ViewModels.MainWindowViewModel.OpenProject ( ) [inline], [private]

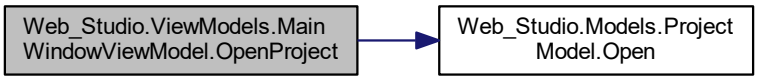
Display a dialog to select a project

Hace referencia a Web_Studio.Models.ProjectModel.FullPath, Web_Studio.Models.ProjectModel.Instance y Web_Studio.Models.ProjectModel.Open().

```
00344         {
00345             if (ProjectPath != null) //If you have an open project
00346             {
00347                 var close = CanCloseProject();
00348                 if (close)
00349                 {
00350                     OrderlyCloseProject();
00351                 }
00352                 else
00353                 {
00354                     return; //Can not close
00355                 }
00356             }
00357 
00358             //Config
00359             var openFile = new OpenFileDialog
00360             {
00361                 Multiselect = false,
00362                 CheckFileExists = true,
00363                 CheckPathExists = true,
00364                 Filter = "Web Studio (*.ws)|*.ws"
```

```
00365             };
00366
00367             if (openFile.ShowDialog() == true)
00368             {
00369                 ProjectModel.Open(openFile.FileName);
00370                 ProjectPath = ProjectModel.Instance.
      FullPath;
00371             }
00372         }
```

Gráfico de llamadas para esta función:



6.21.3.20. void Web_Studio.ViewModels.MainWindowViewModel.OptionWindow ( ) [inline], [private]

Raise option window request

```
00309         {
00310             OptionWindowRequest.Raise(new Notification {Title = Strings.Options});
00311         }
```

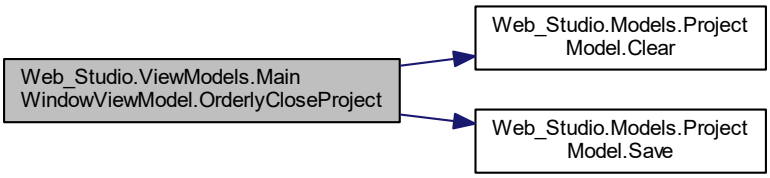
6.21.3.21. void Web_Studio.ViewModels.MainWindowViewModel.OrderlyCloseProject ( ) [inline], [private]

Close project orderly

Hace referencia a Web_Studio.Models.ProjectModel.Clear(), Web_Studio.Models.ProjectModel.Instance y Web_↩ Studio.Models.ProjectModel.Save().

```
00248         {
00249             //Save project
00250             ProjectModel.Instance.Save();
00251             ProjectPath = null;
00252             Documents.Clear();
00253             ProjectModel.Instance.Clear();
00254             Results.Clear();
00255         }
```

Gráfico de llamadas para esta función:



6.21.3.22. void Web_Studio.ViewModels.MainWindowViewModel.PluginsWindow ( ) [inline], [private]

Raise plugin window request

Hace referencia a Web_Studio.ViewModels.ValidationPluginsViewModel.ConfigurationUI, Web_Studio.Plugin↩Manager.ValidationPluginManager.Plugins y Web_Studio.ViewModels.ValidationPluginsViewModel.Plugins.

```
00317         {
00318             ValidationPluginsViewModel.ConfigurationUI = null;
00319             ValidationPluginsViewModel.Plugins = null;
00320             ValidationPluginsViewModel.Plugins = ValidationPluginManager.
      Plugins;
00321             PluginsWindowRequest.Raise( new Notification {Title = "Plugins"});
00322         }
```

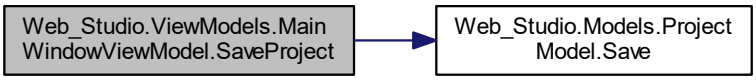
6.21.3.23. void Web_Studio.ViewModels.MainWindowViewModel.SaveProject ( ) [inline], [private]

Save project configuration

Hace referencia a Web_Studio.Models.ProjectModel.Instance y Web_Studio.Models.ProjectModel.Save().

```
00289         {
00290             ProjectModel.Instance.Save();
00291         }
```

Gráfico de llamadas para esta función:



6.21.3.24. EditorViewModel Web_Studio.ViewModels.MainWindowViewModel.SearchOrCreateDocument (string *path*) [inline], [private]

Search for a document if it finds it, it returns it, else it creates a new Document and return it

Parámetros

path	

```
00615         {
00616             var editorViewModel = Documents.Where(doc => doc.ToolTip == path);
00617             if (!editorViewModel.Any())
00618             {
00619                 var nuevoNombre = path.Replace(ProjectPath+@"\", String.Empty);
00620                 EditorViewModel myEditor = new EditorViewModel(nuevoNombre,
      path, EditorShowLineNumbers,
00621                     EditorLinkTextForegroundBrush,
      EditorFontSize);
00622                 Documents.Add(myEditor);
00623                 return myEditor;
00624             }
00625             return editorViewModel.First();
00626         }
```

6.21.3.25. void Web_Studio.ViewModels.MainWindowViewModel.SelectedItemChanged ( ) [inline], [private]

Open the selected file and display it if you can do it

Hace referencia a Web_Studio.Editor.EditorViewModel.IsSelected.

```
00585         {
00586             var s = Path.GetExtension(SelectedItemPath);
00587             if (SelectedItemIsFolder || s==null) return;
00588             var extension = s.ToLower();
00589 
00590             switch (extension)  //Only open these extensions
00591             {
00592                 case ".html":
00593                 case ".css":
00594                 case ".js":
00595                 case ".ws":
00596                     break;
00597                 default:
00598                     return;
00599             }
00600 
00601             foreach (var doc in Documents)
00602             {
00603                 doc.IsSelected = false;
00604             }
00605 
00606             EditorViewModel myEditor = SearchOrCreateDocument(
      SelectedItemPath);
00607             myEditor.IsSelected = true;
00608         }
```

6.21.4. Documentación de los datos miembro

6.21.4.1. EditorViewModel Web_Studio.ViewModels.MainWindowViewModel._activeDocument [private]

6.21.4.2. int Web_Studio.ViewModels.MainWindowViewModel._editorFontSize [private]

6.21.4.3. Brush Web_Studio.ViewModels.MainWindowViewModel._editorLinkTextForegroundBrush [private]

6.21.4.4. bool Web_Studio.ViewModels.MainWindowViewModel._editorShowLineNumbers [private]

6.21.4.5. int Web_Studio.ViewModels.MainWindowViewModel._errorMessages \" [private]

6.21.4.6. bool Web_Studio.ViewModels.MainWindowViewModel._isGeneratingProject [private]

6.21.4.7. AnalysisResult Web_Studio.ViewModels.MainWindowViewModel._messageSelected [private]

6.21.4.8. int Web_Studio.ViewModels.MainWindowViewModel._numberOfRules [private]

6.21.4.9. int Web_Studio.ViewModels.MainWindowViewModel._numberOfRulesProcessed [private]

6.21.4.10. string Web_Studio.ViewModels.MainWindowViewModel._projectPath [private]

6.21.4.11. bool Web_Studio.ViewModels.MainWindowViewModel._selectedItemIsFolder [private]

6.21.4.12. string Web_Studio.ViewModels.MainWindowViewModel._selectedItemName [private]

6.21.4.13. string Web_Studio.ViewModels.MainWindowViewModel._selectedItemPath [private]

6.21.4.14. int Web_Studio.ViewModels.MainWindowViewModel._warningMessages [private]

6.21.5. Documentación de propiedades

6.21.5.1. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.AboutWindowCommand [get], [private set]

About window command

6.21.5.2. InteractionRequest<INotification> Web_Studio.ViewModels.MainWindowViewModel.AboutWindowRequest [get], [set]

It request the view to open the about window

6.21.5.3. EditorViewModel Web_Studio.ViewModels.MainWindowViewModel.ActiveDocument [get], [set]

Active document

6.21.5.4. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.AddFileCommand [get], [private set]

Add file menu command

6.21.5.5. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.BusyControlCancelCommand [get], [private set]

Manage the cancel button

6.21.5.6. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.CloseProjectCommand [get], [private set]

Close project menu command

6.21.5.7. ObservableCollection<EditorViewModel> Web_Studio.ViewModels.MainWindowViewModel.Documents [get]

Collection of Documents, editor tabs

6.21.5.8. int Web_Studio.ViewModels.MainWindowViewModel.EditorFontSize [get], [set]

Font size in editor

6.21.5.9. Brush Web_Studio.ViewModels.MainWindowViewModel.EditorLinkTextForegroundBrush [get], [set]

Color for links

6.21.5.10. bool Web_Studio.ViewModels.MainWindowViewModel.EditorShowLineNumbers [get], [set]

Enable to show line numbers in editor

6.21.5.11. DelegateCommand<INode> Web_Studio.ViewModels.MainWindowViewModel.ExplorerControlItemRemovedCommand [get], [private set]

Command to manage removed item changed

6.21.5.12. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.FtpClientCommand [get], [private set]

FTP client menu command

6.21.5.13. InteractionRequest<INotification> Web_Studio.ViewModels.MainWindowViewModel.FtpClientWindowRequest [get], [set]

It request the view to open the FTP client window

6.21.5.14. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.GenerateCommand [get], [private set]

Command to manage the generate option

6.21.5.15. BackgroundWorker Web_Studio.ViewModels.MainWindowViewModel.GenerationWorker [get], [set], [private]

the worker for project generation

6.21.5.16. bool Web_Studio.ViewModels.MainWindowViewModel.IsGeneratingProject [get], [set]

True if we are generating the project => enable busycontrol

6.21.5.17. InteractionRequest<IConfirmation> Web_Studio.ViewModels.MainWindowViewModel.ItemRemovedRequest [get]

Request to show the removed item window

6.21.5.18. AnalysisResult Web_Studio.ViewModels.MainWindowViewModel.MessageSelected [get], [set]

Selected message in message list control

6.21.5.19. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.NewFileCommand [get], [private set]

New file menu option

6.21.5.20. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.NewProjectCommand [get], [private set]

New project menu option command

6.21.5.21. InteractionRequest<INotification> Web_Studio.ViewModels.MainWindowViewModel.NewProjectRequest [get], [set]

It request the view to open the new project window

6.21.5.22. int Web_Studio.ViewModels.MainWindowViewModel.NumberOfRules [get], [set]

Total number of rules to process

6.21.5.23. int Web_Studio.ViewModels.MainWindowViewModel.NumberOfRulesProcessed [get], [set]

Number of rules that we have already processed

6.21.5.24. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.OpenProjectCommand [get], [private set]

Open project menu command

6.21.5.25. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.OptionWindowCommand [get], [private set]

Option menu command

6.21.5.26. InteractionRequest<INotification> Web_Studio.ViewModels.MainWindowViewModel.OptionWindowRequest [get], [set]

It request the view to open the option window

6.21.5.27. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.PluginsWindowCommand [get], [private set]

Plugins menu command

6.21.5.28. InteractionRequest<INotification> Web_Studio.ViewModels.MainWindowViewModel.PluginsWindowRequest [get], [set]

It request the view to open the plugins window

6.21.5.29. string Web_Studio.ViewModels.MainWindowViewModel.ProjectPath [get], [set]

Path to the loaded project

6.21.5.30. FastObservableCollection<AnalysisResult> Web_Studio.ViewModels.MainWindowViewModel.Results [get], [set]

Collection with the messages generated by the plugins

6.21.5.31. InteractionRequest<IConfirmation> Web_Studio.ViewModels.MainWindowViewModel.SaveChangesInteractionRequest [get]

Request to open save changes window

6.21.5.32. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.SaveProjectCommand [get], [private set]

Save project menu command

6.21.5.33. DelegateCommand Web_Studio.ViewModels.MainWindowViewModel.SelectedItemChangedCommand [get], [private set]

Command to manage the selected item changed "event"

6.21.5.34. bool Web_Studio.ViewModels.MainWindowViewModel.SelectedItemIsFolder [get],[set]

Is a folder the selected item in the explorer view

6.21.5.35. string Web_Studio.ViewModels.MainWindowViewModel.SelectedItemName [get],[set]

Name of the selected item in the explorer view

6.21.5.36. string Web_Studio.ViewModels.MainWindowViewModel.SelectedItemPath [get],[set]

Path to the selected item in the explorer view

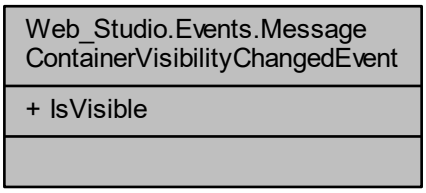
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MainWindowViewModel.cs

6.22. Referencia de la Clase Web_Studio.Events.MessageContainerVisibilityChanged↩ Event

Event raised when changed the visibility of message container

Diagrama de colaboración para Web_Studio.Events.MessageContainerVisibilityChangedEvent:



Propiedades

- bool IsVisible [get, set]

  Visibility

6.22.1. Descripción detallada

Event raised when changed the visibility of message container

6.22.2. Documentación de propiedades

6.22.2.1. bool Web_Studio.Events.MessageContainerVisibilityChangedEvent.IsVisible [get],[set]

Visibility

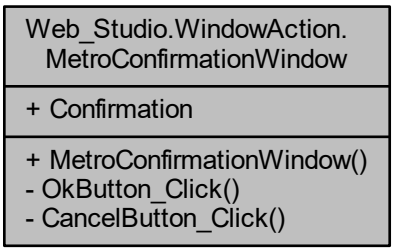
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MessageContainerVisibilityChangedEvent.cs

6.23. Referencia de la Clase Web_Studio.WindowAction.MetroConfirmationWindow

Lógica de interacción para MetroConfirmationWindow.xaml

Diagrama de colaboración para Web_Studio.WindowAction.MetroConfirmationWindow:



Métodos públicos

- MetroConfirmationWindow ()

  Default constructor

Propiedades

- IConfirmation Confirmation [get, set]

  Sets or gets the IConfirmation shown by this window./>

Métodos privados

- void OkButton_Click (object sender, RoutedEventArgs e)
- void CancelButton_Click (object sender, RoutedEventArgs e)

6.23.1. Descripción detallada

Lógica de interacción para MetroConfirmationWindow.xaml

6.23.2. Documentación del constructor y destructor

6.23.2.1. Web_Studio.WindowAction.MetroConfirmationWindow.MetroConfirmationWindow ( ) [inline]

Default constructor

```
00015         {
00016             InitializeComponent();
00017         }
```

6.23.3. Documentación de las funciones miembro

6.23.3.1. void Web_Studio.WindowAction.MetroConfirmationWindow.CancelButton_Click (object *sender,* RoutedEventArgs *e*) [inline],[private]

```
00040         {
00041             this.Confirmation.Confirmed = false;
00042             this.Close();
00043         }
```

6.23.3.2. void Web_Studio.WindowAction.MetroConfirmationWindow.OkButton_Click (object *sender,* RoutedEventArgs *e*) [inline],[private]

```
00034         {
00035             this.Confirmation.Confirmed = true;
00036             this.Close();
00037         }
```

6.23.4. Documentación de propiedades

6.23.4.1. IConfirmation Web_Studio.WindowAction.MetroConfirmationWindow.Confirmation [get],[set]

Sets or gets the IConfirmation shown by this window./>

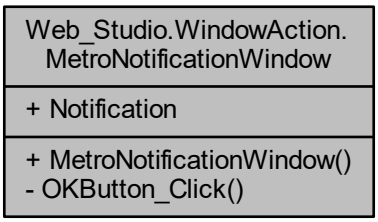
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MetroConfirmationWindow.xaml.cs

6.24. Referencia de la Clase Web_Studio.WindowAction.MetroNotificationWindow

Lógica de interacción para MetroNotificationWindow.xaml

Diagrama de colaboración para Web_Studio.WindowAction.MetroNotificationWindow:



Métodos públicos

- MetroNotificationWindow ()

  Default constructor

Propiedades

- INotification Notification `[get, set]`

  Sets or gets the INotification shown by this window./>

Métodos privados

- void OKButton_Click (object sender, RoutedEventArgs e)

6.24.1. Descripción detallada

Lógica de interacción para MetroNotificationWindow.xaml

6.24.2. Documentación del constructor y destructor

6.24.2.1. Web_Studio.WindowAction.MetroNotificationWindow.MetroNotificationWindow ( ) `[inline]`

Default constructor

```
00015         {
00016             InitializeComponent();
00017         }
```

6.24.3. Documentación de las funciones miembro

6.24.3.1. void Web_Studio.WindowAction.MetroNotificationWindow.OKButton_Click (object *sender,* RoutedEventArgs *e*) `[inline],[private]`

```
00035         {
00036             this.Close();
00037         }
```

6.24.4. Documentación de propiedades

6.24.4.1. INotification Web_Studio.WindowAction.MetroNotificationWindow.Notification `[get],[set]`

Sets or gets the INotification shown by this window./>

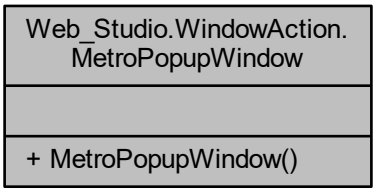
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MetroNotificationWindow.xaml.cs

6.25. Referencia de la Clase Web_Studio.WindowAction.MetroPopupWindow

Lógica de interacción para MetroPopupWindow.xaml

Diagrama de colaboración para Web_Studio.WindowAction.MetroPopupWindow:



Métodos públicos

- MetroPopupWindow ()

  Default constructor

6.25.1. Descripción detallada

Lógica de interacción para MetroPopupWindow.xaml

6.25.2. Documentación del constructor y destructor

6.25.2.1. Web_Studio.WindowAction.MetroPopupWindow.MetroPopupWindow ( ) [inline]

Default constructor

```
00012         {
00013             InitializeComponent();
00014         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MetroPopupWindow.xaml.cs

6.26. Referencia de la Clase Web_Studio.WindowAction.MetroPopupWindowAction

Override the default PopWindowAction to use a metro window (mahapps)

Diagrama de herencias de Web_Studio.WindowAction.MetroPopupWindowAction

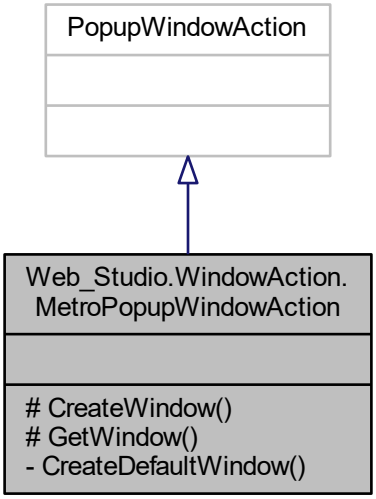
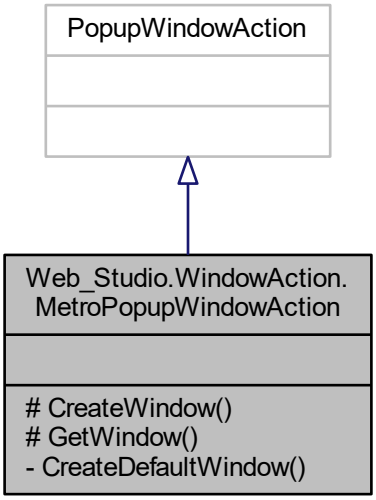


Diagrama de colaboración para Web_Studio.WindowAction.MetroPopupWindowAction:



Métodos protegidos

- override Window CreateWindow ()

  it creates a new metro window instead of a window
- override Window GetWindow (INotification notification)

Returns the window to display as part of the trigger action.

Métodos privados

- new Window CreateDefaultWindow (INotification notification)

  Create

6.26.1. Descripción detallada

Override the default PopWindowAction to use a metro window (mahapps)

6.26.2. Documentación de las funciones miembro

6.26.2.1. new Window Web_Studio.WindowAction.MetroPopupWindowAction.CreateDefaultWindow (INotification *notification*) [inline], [private]

Create

Parámetros

notification	

Devuelve

```
00028         {
00029             Window window = null;
00030 
00031             if (notification is IConfirmation)
00032             {
00033                 window = new MetroConfirmationWindow {Confirmation = (IConfirmation) notification};
00034             }
00035             else
00036             {
00037                 window = new MetroNotificationWindow {Notification = notification};
00038             }
00039 
00040             return window;
00041         }
```

6.26.2.2. override Window Web_Studio.WindowAction.MetroPopupWindowAction.CreateWindow ( ) [inline], [protected]

it creates a new metro window instead of a window

Devuelve

```
00018         {
00019             return new MetroPopupWindow();
00020         }
```

6.26.2.3. override Window Web_Studio.WindowAction.MetroPopupWindowAction.GetWindow (INotification *notification*) [inline], [protected]

Returns the window to display as part of the trigger action.

Parámetros

notification	The notification to be set as a DataContext in the window.

Devuelve

```
00049         {
00050             Window wrapperWindow;
00051 
00052             if (WindowContent != null)
00053             {
00054                 wrapperWindow = CreateWindow();
00055 
00056                 if (wrapperWindow == null)
00057                     throw new NullReferenceException("CreateWindow cannot return null");
00058 
00059                 // If the WindowContent does not have its own DataContext, it will inherit this one.
00060                 wrapperWindow.DataContext = notification;
00061                 wrapperWindow.Title = notification.Title;
00062 
00063                 PrepareContentForWindow(notification, wrapperWindow);
00064             }
00065             else
00066             {
00067                 wrapperWindow = CreateDefaultWindow(notification);
00068             }
00069 
00070             // If the user provided a Style for a Window we set it as the window's style.
00071             if (WindowStyle != null)
00072                 wrapperWindow.Style = WindowStyle;
00073 
00074             return wrapperWindow;
00075         }
```

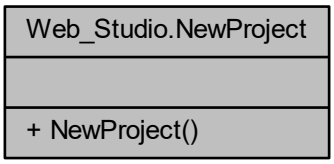
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/MetroPopupWindowAction.cs

6.27. Referencia de la Clase Web_Studio.NewProject

Lógica de interacción para NewProject.xaml

Diagrama de colaboración para Web_Studio.NewProject:



Métodos públicos

- NewProject ()

  Default constructor

6.27.1. Descripción detallada

Lógica de interacción para NewProject.xaml

6.27.2. Documentación del constructor y destructor

6.27.2.1. Web_Studio.NewProject.NewProject ( ) [inline]

Default constructor

```
00012         {
00013             InitializeComponent();
00014         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/NewProject.xaml.cs

6.28. Referencia de la Clase Web_Studio.ViewModels.NewProjectViewModel

New project view model

Diagrama de herencias de Web_Studio.ViewModels.NewProjectViewModel

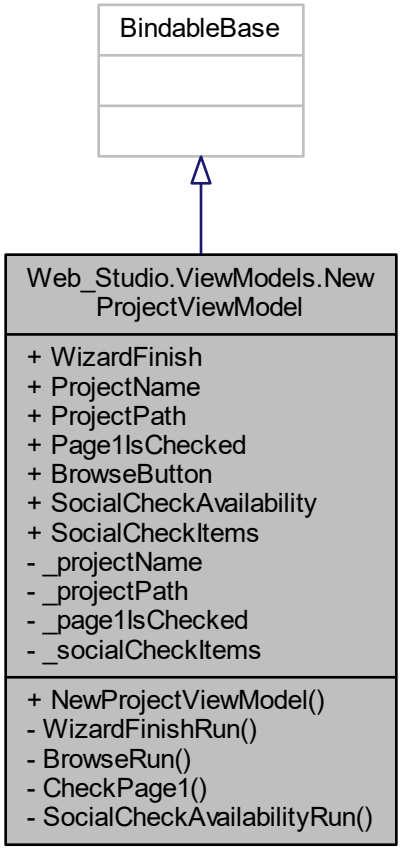


Diagrama de colaboración para Web_Studio.ViewModels.NewProjectViewModel:

Métodos públicos

- NewProjectViewModel ()

  default constructor

Propiedades

- DelegateCommand WizardFinish `[get, private set]`

  Command to manage wizard finish event
- string ProjectName `[get, set]`

  Name of the project
- string ProjectPath `[get, set]`

  Path to the project
- bool Page1IsChecked `[get, set]`

  Enable next button in wizard from page1 to page2
- DelegateCommand BrowseButton `[get, private set]`

  Browse for project's folder
- DelegateCommand SocialCheckAvailability `[get, private set]`

Command to manage social check button click

- ObservableCollection< ISocialCheck > SocialCheckItems [get, set]

  Collection of plugins

Métodos privados

- void WizardFinishRun ()

  Process wizard finish event
- void BrowseRun ()

  Browse for project folder
- void CheckPage1 ()

  Check method to enable navigation from page1 to page2
- void SocialCheckAvailabilityRun ()

  Checks the availability of the name in some sites

Atributos privados

- string _projectName
- string _projectPath
- bool _page1IsChecked
- ObservableCollection< ISocialCheck > _socialCheckItems

6.28.1. Descripción detallada

New project view model

6.28.2. Documentación del constructor y destructor

6.28.2.1. Web_Studio.ViewModels.NewProjectViewModel.NewProjectViewModel ( ) [inline]

default constructor

```
00025         {
00026             WizardFinish = new DelegateCommand(WizardFinishRun);
00027             BrowseButton = new DelegateCommand(BrowseRun);
00028             SocialCheckAvailability = new DelegateCommand(
      SocialCheckAvailabilityRun);
00029             SocialCheckItems = new ObservableCollection<ISocialCheck>();
00030         }
```

6.28.3. Documentación de las funciones miembro

6.28.3.1. void Web_Studio.ViewModels.NewProjectViewModel.BrowseRun ( ) [inline], [private]

Browse for project folder

```
00054         {
00055             try
00056             {
00057                 var folderBrowserDialog = new FolderBrowserDialog();
00058                 var result = folderBrowserDialog.ShowDialog();
00059 
00060                 if (result == DialogResult.OK)
00061                 {
00062                     ProjectPath = folderBrowserDialog.SelectedPath;
00063                 }
00064             }
00065             catch (Exception e)
```

```
00066             {
00067                 Telemetry.Telemetry.TelemetryClient.TrackException(e);
00068                 // ignored IO exception or null exception
00069             }
00070         }
```

6.28.3.2. void Web_Studio.ViewModels.NewProjectViewModel.CheckPage1 ( ) [inline], [private]

Check method to enable navigation from page1 to page2

```
00119         {
00120             if (!string.IsNullOrWhiteSpace(ProjectName)  && !string.IsNullOrWhiteSpace(
      ProjectPath))
00121             {
00122                 Page1IsChecked = true;
00123             }
00124             else
00125             {
00126                 Page1IsChecked = false;
00127             }
00128         }
```

6.28.3.3. void Web_Studio.ViewModels.NewProjectViewModel.SocialCheckAvailabilityRun ( ) [inline], [private]

Checks the availability of the name in some sites

```
00148         {
00149             var loader = new GenericMefPluginLoader<ISocialCheck>("
      Plugins\\Social");
00150             var name = ProjectName.Replace(" ", string.Empty); //Name without spaces
00151             SocialCheckItems.Clear();
00152 
00153             BackgroundWorker worker = new BackgroundWorker();
00154 
00155             worker.DoWork += (sender, args) =>
00156             {
00157                 foreach (var sc in loader.Plugins)
00158                 {
00159                     sc.CheckAvailability(name);
00160                     System.Windows.Application.Current.Dispatcher.BeginInvoke((Action)delegate //
      Update UI
00161                     {
00162                         SocialCheckItems.Add(sc);
00163                     });
00164                 }
00165             };
00166 
00167             worker.RunWorkerAsync();
00168 
00169         }
```

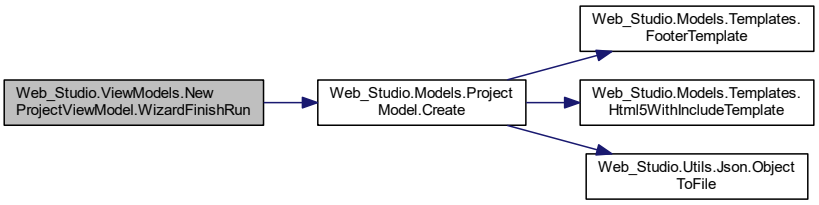
6.28.3.4. void Web_Studio.ViewModels.NewProjectViewModel.WizardFinishRun ( ) [inline], [private]

Process wizard finish event

Hace referencia a Web_Studio.Models.ProjectModel.Create(), Web_Studio.Models.ProjectModel.FullPath, Web_↩ Studio.Models.ProjectModel.Instance y Web_Studio.Models.ProjectModel.Name.

```
00041         {
00042             var fullPath = Path.Combine(ProjectModel.Instance.
      FullPath, ProjectModel.Instance.Name);
00043             ProjectModel.Instance.FullPath = fullPath;
00044             ProjectModel.Instance.Create();
00045             EventSystem.Publish(new ChangedProjectEvent());
00046         }
```

Gráfico de llamadas para esta función:



6.28.4. Documentación de los datos miembro

6.28.4.1. bool Web_Studio.ViewModels.NewProjectViewModel._page1IsChecked [private]

6.28.4.2. string Web_Studio.ViewModels.NewProjectViewModel._projectName [private]

6.28.4.3. string Web_Studio.ViewModels.NewProjectViewModel._projectPath [private]

6.28.4.4. ObservableCollection<ISocialCheck> Web_Studio.ViewModels.NewProjectViewModel._socialCheckItems [private]

6.28.5. Documentación de propiedades

6.28.5.1. DelegateCommand Web_Studio.ViewModels.NewProjectViewModel.BrowseButton [get], [private set]

Browse for project's folder

6.28.5.2. bool Web_Studio.ViewModels.NewProjectViewModel.Page1IsChecked [get], [set]

Enable next button in wizard from page1 to page2

6.28.5.3. string Web_Studio.ViewModels.NewProjectViewModel.ProjectName [get], [set]

Name of the project

6.28.5.4. string Web_Studio.ViewModels.NewProjectViewModel.ProjectPath [get], [set]

Path to the project

6.28.5.5. DelegateCommand Web_Studio.ViewModels.NewProjectViewModel.SocialCheckAvailability [get], [private set]

Command to manage social check button click

6.28.5.6. ObservableCollection<ISocialCheck> Web_Studio.ViewModels.NewProjectViewModel.SocialCheckItems [get], [set]

Collection of plugins

6.28.5.7. DelegateCommand Web_Studio.ViewModels.NewProjectViewModel.WizardFinish [get],[private set]

Command to manage wizard finish event

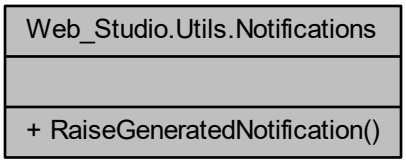
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/NewProjectViewModel.cs

6.29. Referencia de la Clase Web_Studio.Utils.Notifications

Permits to manage notifications

Diagrama de colaboración para Web_Studio.Utils.Notifications:



Métodos públicos estáticos

- static void RaiseGeneratedNotification (int errors, int warnings)

  Raise a notification with the results after we generated the project

6.29.1. Descripción detallada

Permits to manage notifications

6.29.2. Documentación de las funciones miembro

6.29.2.1. static void Web_Studio.Utils.Notifications.RaiseGeneratedNotification (int *errors*, int *warnings*) [inline], [static]

Raise a notification with the results after we generated the project

Parámetros

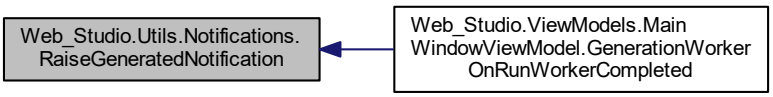
errors	
warnings	

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.GenerationWorkerOnRunWorkerCompleted().

```
00022         {
00023             // Get a toast XML template
00024             XmlDocument toastXml = ToastNotificationManager.GetTemplateContent(ToastTemplateType.
      ToastImageAndText04);
00025 
00026             // Fill in the text elements
00027             XmlNodeList stringElements = toastXml.GetElementsByTagName("text");
```

```
00028             stringElements[0].AppendChild(toastXml.CreateTextNode("Web Studio"));
00029             stringElements[1].AppendChild(toastXml.CreateTextNode(Strings.Errors+": "+errors));
00030             stringElements[2].AppendChild(toastXml.CreateTextNode(Strings.Warnings+": " +warnings));
00031 
00032 
00033             // Specify the absolute path to an image
00034             String imagePath = "file:///" + Path.GetFullPath("App.png");
00035             XmlNodeList imageElements = toastXml.GetElementsByTagName("image");
00036             imageElements[0].Attributes.GetNamedItem("src").NodeValue = imagePath;
00037 
00038             // Create the toast and attach event listeners
00039             ToastNotification toast = new ToastNotification(toastXml)
00040             {
00041                 ExpirationTime = DateTimeOffset.Now.AddMinutes(2)
00042             };
00043 
00044             // Show the toast. Be sure to specify the AppUserModelId on your application's shortcut!
00045             ToastNotificationManager.CreateToastNotifier(Resources.AppId).Show(toast);
00046         }
```

Gráfico de llamadas a esta función:



La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Notifications.cs

6.30. Referencia de la Clase Web_Studio.Converters.NullToVisibilityConverter

Converter if instance is null or it is instanced.

Diagrama de herencias de Web_Studio.Converters.NullToVisibilityConverter

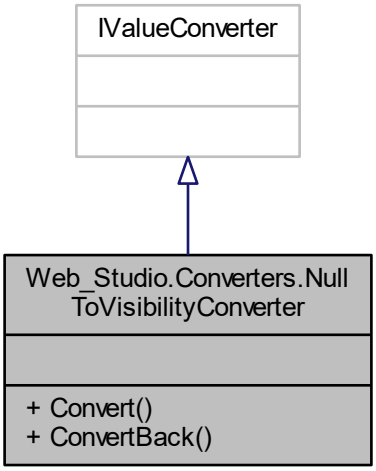
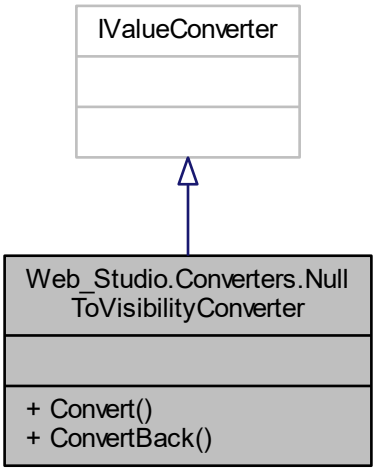


Diagrama de colaboración para Web_Studio.Converters.NullToVisibilityConverter:



Métodos públicos

- object Convert (object value, Type targetType, object parameter, CultureInfo culture)

  When the value is null, the visibility is hidden
- object ConvertBack (object value, Type targetType, object parameter, CultureInfo culture)

  When visibility is hidden, the instance has a null value

6.30.1. Descripción detallada

Converter if instance is null or it is instanced.

6.30.2. Documentación de las funciones miembro

6.30.2.1. object Web_Studio.Converters.NullToVisibilityConverter.Convert (object *value,* Type *targetType,* object *parameter,* CultureInfo *culture*) [inline]

When the value is null, the visibility is hidden

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00022         {
00023             return value == null ? Visibility.Hidden : Visibility.Visible;
00024         }
```

6.30.2.2. object Web_Studio.Converters.NullToVisibilityConverter.ConvertBack (object *value,* Type *targetType,* object *parameter,* CultureInfo *culture*) [inline]

When visibility is hidden, the instance has a null value

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00035         {
00036             if ((Visibility)value == Visibility.Hidden) return null;
00037             return new Object();
00038
00039         }
```

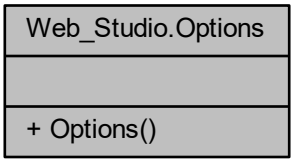
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/NullToVisibilityConverter.cs

6.31. Referencia de la Clase Web_Studio.Options

Lógica de interacción para Options.xaml

Diagrama de colaboración para Web_Studio.Options:



Métodos públicos

- Options ()

  Default constructor

6.31.1. Descripción detallada

Lógica de interacción para Options.xaml

6.31.2. Documentación del constructor y destructor

6.31.2.1. Web_Studio.Options.Options ( ) [inline]

Default constructor

```
00012         {
00013             InitializeComponent();
00014         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Options.xaml.cs

6.32. Referencia de la Clase Web_Studio.ViewModels.OptionsViewModel

ViewModel for Option Window

Diagrama de herencias de Web_Studio.ViewModels.OptionsViewModel

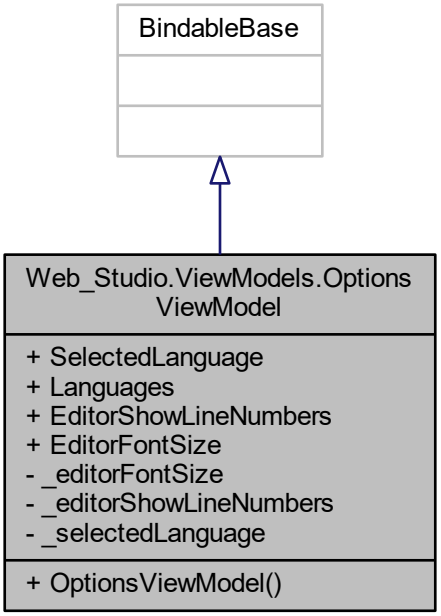
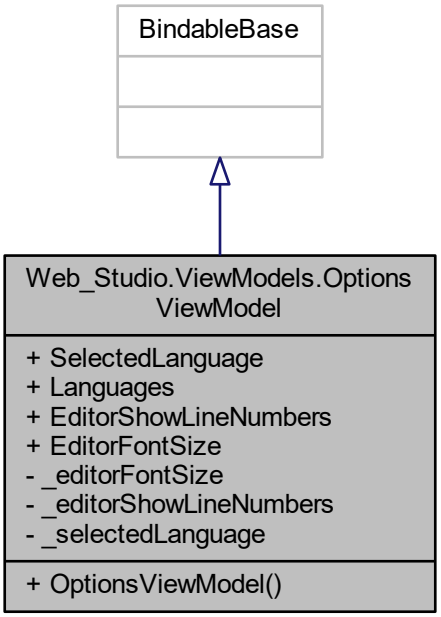


Diagrama de colaboración para Web_Studio.ViewModels.OptionsViewModel:



Métodos públicos

- OptionsViewModel ()

  Default constructor

Propiedades

- CultureInfo SelectedLanguage `[get, set]`

  Property to mange app language
- ObservableCollection< CultureInfo > Languages `[get, set]`

  Available lenguages
- bool EditorShowLineNumbers `[get, set]`

  Enable o disable show line numbers in the editor
- int EditorFontSize `[get, set]`

  Manage font size in the editor

Atributos privados

- int _editorFontSize
- bool _editorShowLineNumbers
- CultureInfo _selectedLanguage

6.32.1. Descripción detallada

ViewModel for Option Window

6.32.2. Documentación del constructor y destructor

6.32.2.1. Web_Studio.ViewModels.OptionsViewModel.OptionsViewModel ( ) `[inline]`

Default constructor

Hace referencia a Web_Studio.Properties.Settings.Default, Web_Studio.Properties.Settings.EditorFontSize y Web_Studio.Properties.Settings.EditorShowLineNumbers.

```
00028         {
00029             EditorShowLineNumbers = Settings.
      Default.EditorShowLineNumbers;
00030             EditorFontSize = Settings.Default.
      EditorFontSize;
00031
00032             Languages = new ObservableCollection<CultureInfo>(LocalizeDictionary.Instance.
      MergedAvailableCultures);
00033             Languages.Remove(CultureInfo.InvariantCulture);
00034             SelectedLanguage = Localization.Localization.GetLanguage(
      Languages.ToList());
00035         }
```

6.32.3. Documentación de los datos miembro

6.32.3.1. int Web_Studio.ViewModels.OptionsViewModel._editorFontSize `[private]`

6.32.3.2. bool Web_Studio.ViewModels.OptionsViewModel._editorShowLineNumbers `[private]`

6.32.3.3. CultureInfo Web_Studio.ViewModels.OptionsViewModel._selectedLanguage `[private]`

6.32.4. Documentación de propiedades

6.32.4.1. int Web_Studio.ViewModels.OptionsViewModel.EditorFontSize [get], [set]

Manage font size in the editor

6.32.4.2. bool Web_Studio.ViewModels.OptionsViewModel.EditorShowLineNumbers [get], [set]

Enable o disable show line numbers in the editor

6.32.4.3. ObservableCollection<CultureInfo> Web_Studio.ViewModels.OptionsViewModel.Languages [get], [set]

Available lenguages

6.32.4.4. CultureInfo Web_Studio.ViewModels.OptionsViewModel.SelectedLanguage [get], [set]

Property to mange app language

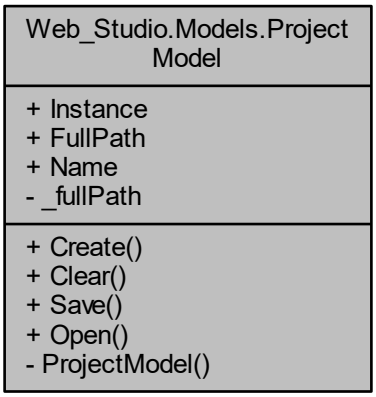
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/OptionsViewModel.cs

6.33. Referencia de la Clase Web_Studio.Models.ProjectModel

Class to manage settings of one project

Diagrama de colaboración para Web_Studio.Models.ProjectModel:



Métodos públicos

- bool Create ()

  Create a new project
- void Clear ()

Clear all information of the project and get a new project

- void Save ()

  Save all project configuration

Métodos públicos estáticos

- static void Open (string path)

  Open a project, load project config and enable project UI

Propiedades

- static ProjectModel Instance `[get, set]`

  Singleton pattern
- string FullPath = new ProjectModel() `[get, set]`

  Full path of project folder
- string Name `[get, set]`

  Name of project

Métodos privados

- ProjectModel ()

  Default constructor (Singleton pattern)

Atributos privados

- string _fullPath

  Project full path

6.33.1. Descripción detallada

Class to manage settings of one project

6.33.2. Documentación del constructor y destructor

6.33.2.1. Web_Studio.Models.ProjectModel.ProjectModel ( ) `[inline],[private]`

Default constructor (Singleton pattern)

```
00027         {
00028             //Do nothing
00029         }
```

6.33.3. Documentación de las funciones miembro

6.33.3.1. void Web_Studio.Models.ProjectModel.Clear ( ) `[inline]`

Clear all information of the project and get a new project

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.OrderlyCloseProject().

```
00098         {
00099             Instance = new ProjectModel();
00100         }
```

Gráfico de llamadas a esta función:

6.33.3.2. bool Web_Studio.Models.ProjectModel.Create ( ) [inline]

Create a new project

Devuelve

Hace referencia a Web_Studio.Models.Templates.FooterTemplate(), Web_Studio.Models.Templates.Html5With↩IncludeTemplate() y Web_Studio.Utils.Json.ObjectToFile().

Referenciado por Web_Studio.ViewModels.NewProjectViewModel.WizardFinishRun().

```
00056         {
00057             try
00058             {
00059                 Directory.CreateDirectory(Instance.FullPath);
00060                 //Create project config
00061                 Json.ObjectToFile(Instance, Path.Combine(
      Instance.FullPath, Instance.Name + ".ws"));
00062 
00063 
00064                 //Create source folder
00065                 var srcPath = Path.Combine(Instance.FullPath, "src");
00066                 Directory.CreateDirectory(srcPath);
00067 
00068                 //Create js folder
00069                 Directory.CreateDirectory(Path.Combine(srcPath, "js"));
00070 
00071                 //Create css folder
00072                 Directory.CreateDirectory(Path.Combine(srcPath, "css"));
00073 
00074                 //Create font folder
00075                 Directory.CreateDirectory(Path.Combine(srcPath, "font"));
00076 
00077                 //Create img folder
00078                 Directory.CreateDirectory(Path.Combine(srcPath, "img"));
00079 
00080                 //Create index file
00081                 File.WriteAllText(Path.Combine(srcPath, "index.html"),Templates.Html5WithIncludeTemplate())
     ;
00082 
00083                 //Create a footer
00084                 File.WriteAllText(Path.Combine(srcPath, "footer.html"),Templates.FooterTemplate());
00085 
00086                 return true;
00087             }
00088             catch (Exception)
00089             {
00090                 return false;
00091             }
00092         }
```

Gráfico de llamadas para esta función:

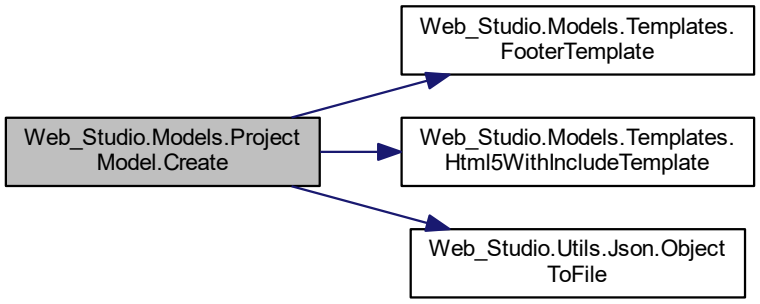
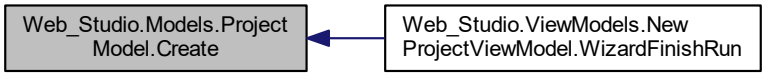


Gráfico de llamadas a esta función:



6.33.3.3. static void Web_Studio.Models.ProjectModel.Open (string *path*) [inline],[static]

Open a project, load project config and enable project UI

Parámetros

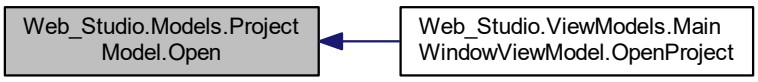
path	

Hace referencia a Web_Studio.PluginManager.ValidationPluginManager.Plugins.

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.OpenProject().

```
00138         {
00139
00140             JObject jsonObject = JObject.Parse(File.ReadAllText(path));
00141             Instance.FullPath = jsonObject["FullPath"]?.ToString();
00142             Instance.Name = jsonObject["Name"]?.ToString();
00143             for (int index = 0; index < ValidationPluginManager.
      Plugins.Count; index++)
00144             {
00145                 Lazy<IValidation, IValidationMetadata> plugin =
      ValidationPluginManager.Plugins[index];
00146                 var pluginJObject = jsonObject[plugin.Metadata.Name];
00147
00148                 if (pluginJObject != null)
00149                 {
00150                     //Updata plugin configuration with the project values
00151                     var lazyPlugin = new Lazy<IValidation, IValidationMetadata>(() => (IValidation)
      pluginJObject.ToObject(plugin.Value.GetType()), plugin.Metadata);
00152                     ValidationPluginManager.Plugins[index] = lazyPlugin;
00153                 }
00154             }
00155
00156             Instance.FullPath = Path.GetDirectoryName(path);
00157         }
```

Gráfico de llamadas a esta función:



6.33.3.4. void Web_Studio.Models.ProjectModel.Save ( ) [inline]

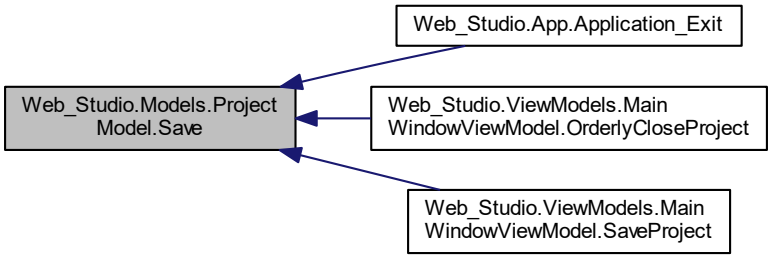
Save all project configuration

Hace referencia a Web_Studio.PluginManager.ValidationPluginManager.Plugins.

Referenciado por Web_Studio.App.Application_Exit(), Web_Studio.ViewModels.MainWindowViewModel.Orderly↩CloseProject() y Web_Studio.ViewModels.MainWindowViewModel.SaveProject().

```
00106         {
00107             if (FullPath != null)
00108             {
00109                 //Create custom serializer
00110                 JsonSerializerSettings settings = new JsonSerializerSettings
00111                 {
00112                     ContractResolver = new SetPropertiesResolver(),
00113                     Formatting = Formatting.Indented
00114                 };
00115 
00116                 JObject jsonJObject = new JObject();
00117 
00118                 jsonJObject["Name"] = Name;
00119                 jsonJObject["FullPath"] = FullPath;
00120 
00121                 //Add all plugins to configuration file
00122                 foreach (Lazy<IValidation, IValidationMetadata> plugin in
      ValidationPluginManager.Plugins)
00123                 {
00124                     //Add an entry with the plugin name and its writable properties
00125                     jsonJObject[plugin.Metadata.Name] = JObject.FromObject(plugin.Value, JsonSerializer.
      Create(settings));
00126                 }
00127 
00128                 File.WriteAllText(Path.Combine(Instance.FullPath,
      Instance.Name + ".ws"),jsonJObject.ToString(Formatting.Indented));
00129 
00130             }
00131         }
```

Gráfico de llamadas a esta función:



6.33.4. Documentación de los datos miembro

6.33.4.1. string Web_Studio.Models.ProjectModel._fullPath [private]

Project full path

6.33.5. Documentación de propiedades

6.33.5.1. string Web_Studio.Models.ProjectModel.FullPath = new ProjectModel() [get], [set]

Full path of project folder

Referenciado por Web_Studio.App.Application_Startup(), Web_Studio.ViewModels.MainWindowViewModel.↩ MainWindowViewModel(), Web_Studio.ViewModels.MainWindowViewModel.ManageChangedProject(), Web_↩ Studio.ViewModels.MainWindowViewModel.OpenProject() y Web_Studio.ViewModels.NewProjectViewModel.↩ WizardFinishRun().

6.33.5.2. ProjectModel Web_Studio.Models.ProjectModel.Instance [static], [get], [set]

Singleton pattern

Referenciado por Web_Studio.App.Application_Exit(), Web_Studio.App.Application_Startup(), Web_Studio.↩ Models.Templates.FooterTemplate(), Web_Studio.ViewModels.MainWindowViewModel.MainWindowViewModel(), Web_Studio.ViewModels.MainWindowViewModel.ManageChangedProject(), Web_Studio.ViewModels.Main↩ WindowViewModel.OpenProject(), Web_Studio.ViewModels.MainWindowViewModel.OrderlyCloseProject(), Web_Studio.ViewModels.MainWindowViewModel.SaveProject() y Web_Studio.ViewModels.NewProjectView↩ Model.WizardFinishRun().

6.33.5.3. string Web_Studio.Models.ProjectModel.Name [get], [set]

Name of project

Referenciado por Web_Studio.Models.Templates.FooterTemplate() y Web_Studio.ViewModels.NewProjectView↩ Model.WizardFinishRun().

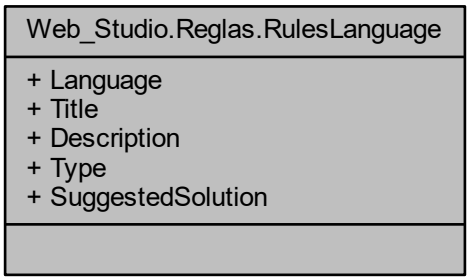
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ProjectModel.cs

6.34. Referencia de la Clase Web_Studio.Reglas.RulesLanguage

Class to manage the translations of the rules

Diagrama de colaboración para Web_Studio.Reglas.RulesLanguage:



Propiedades

- string Language `[get, set]`

  Language of the translation
- string Title `[get, set]`

  Title of the rule
- string Description `[get, set]`

  Description of the rule
- string Type `[get, set]`

  Name of the type of the rule
- string SuggestedSolution `[get, set]`

  Description of the suggested solution for this rule

6.34.1. Descripción detallada

Class to manage the translations of the rules

6.34.2. Documentación de propiedades

6.34.2.1. string Web_Studio.Reglas.RulesLanguage.Description `[get],[set]`

Description of the rule

6.34.2.2. string Web_Studio.Reglas.RulesLanguage.Language `[get],[set]`

Language of the translation

6.34.2.3. string Web_Studio.Reglas.RulesLanguage.SuggestedSolution `[get],[set]`

Description of the suggested solution for this rule

6.34.2.4. string Web_Studio.Reglas.RulesLanguage.Title [get],[set]

Title of the rule

6.34.2.5. string Web_Studio.Reglas.RulesLanguage.Type [get],[set]

Name of the type of the rule

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/RulesLanguage.cs

6.35. Referencia de la Clase Web_Studio.Utils.SetPropertiesResolver

Custon JSON resolver for Newtonsoft JSON

Diagrama de herencias de Web_Studio.Utils.SetPropertiesResolver

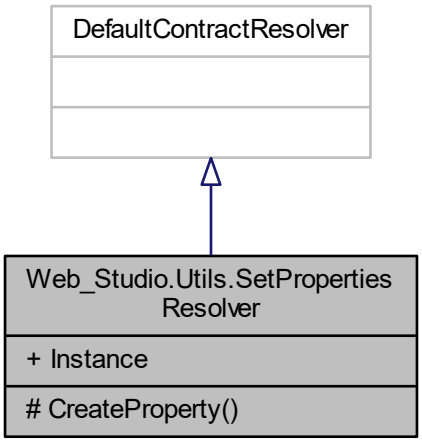
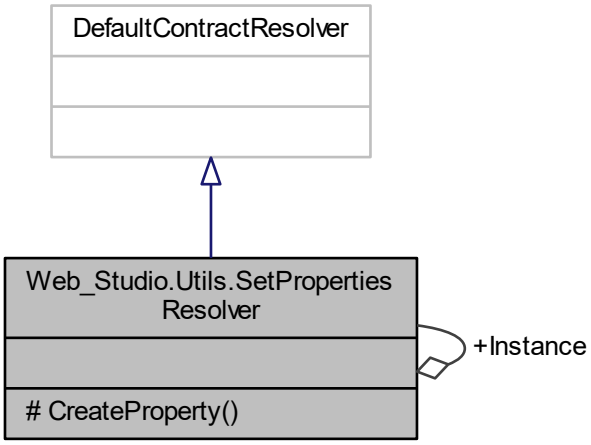


Diagrama de colaboración para Web_Studio.Utils.SetPropertiesResolver:



Atributos públicos estáticos

- static readonly SetPropertiesResolver Instance = new SetPropertiesResolver()

  Creates an instance

Métodos protegidos

- override JsonProperty CreateProperty (MemberInfo member, MemberSerialization memberSerialization)

  Only serialize to JSON writables properties

6.35.1. Descripción detallada

Custon JSON resolver for Newtonsoft JSON

6.35.2. Documentación de las funciones miembro

6.35.2.1. override JsonProperty Web_Studio.Utils.SetPropertiesResolver.CreateProperty (MemberInfo *member*, MemberSerialization *memberSerialization*) [inline], [protected]

Only serialize to JSON writables properties

Parámetros

member	
member↩ Serialization	

Devuelve

```
00030         {
00031             JsonProperty property = base.CreateProperty(member, memberSerialization);
00032             if (!property.Writable) property.ShouldSerialize = instance => false;
00033 
00034 
00035             return property;
00036         }
```

6.35.3. Documentación de los datos miembro

6.35.3.1. readonly SetPropertiesResolver Web_Studio.Utils.SetPropertiesResolver.Instance = new SetPropertiesResolver() [static]

Creates an instance

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/SetPropertiesResolver.cs

6.36. Referencia de la Clase Web_Studio.Properties.Settings

Diagrama de herencias de Web_Studio.Properties.Settings

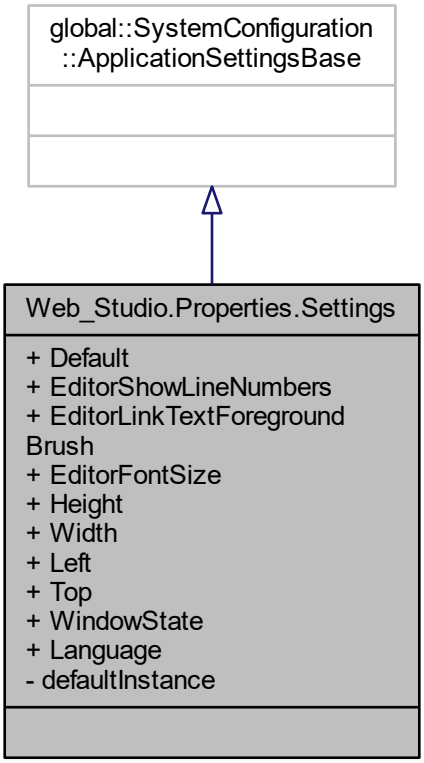
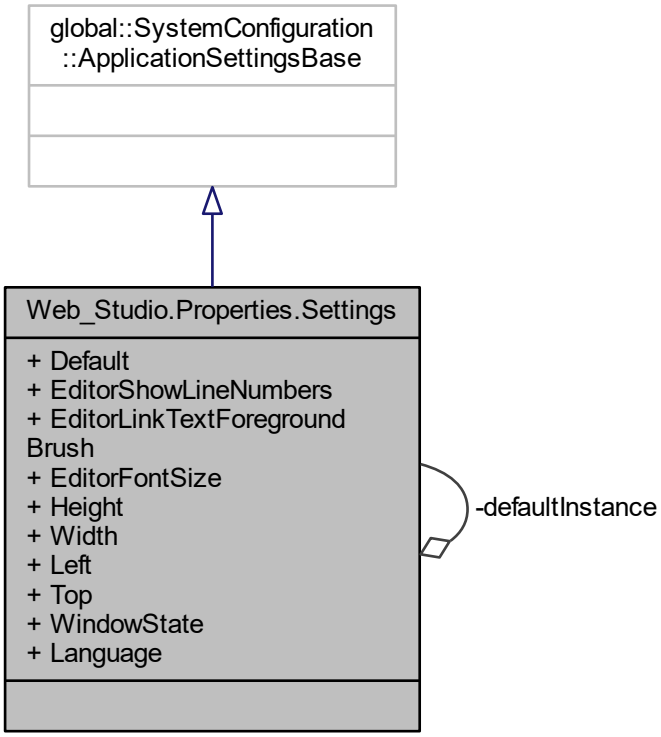


Diagrama de colaboración para Web_Studio.Properties.Settings:



Propiedades

- static Settings Default `[get]`
- bool EditorShowLineNumbers `[get, set]`
- string EditorLinkTextForegroundBrush `[get, set]`
- int EditorFontSize `[get, set]`
- double Height `[get, set]`
- double Width `[get, set]`
- double Left `[get, set]`
- double Top `[get, set]`
- global::System.Windows.WindowState WindowState `[get, set]`
- string Language `[get, set]`

Atributos privados estáticos

- static Settings defaultInstance = ((Settings)(global::System.Configuration.ApplicationSettingsBase.↩ Synchronized(new Settings())))

6.36.1. Documentación de los datos miembro

6.36.1.1. Settings Web_Studio.Properties.Settings.defaultInstance = ((Settings)(global::System.↩ Configuration.ApplicationSettingsBase.Synchronized(new Settings()))) [static], [private]

6.36.2. Documentación de propiedades

6.36.2.1. Settings Web_Studio.Properties.Settings.Default [static], [get]

Referenciado por Web_Studio.App.Application_Exit(), Web_Studio.App.Application_Startup(), Web_Studio.↩ Localization.Localization.ChangeLanguage(), Web_Studio.ViewModels.MainWindowViewModel.MainWindow↩ ViewModel() y Web_Studio.ViewModels.OptionsViewModel.OptionsViewModel().

6.36.2.2. int Web_Studio.Properties.Settings.EditorFontSize [get], [set]

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.MainWindowViewModel() y Web_Studio.↩ ViewModels.OptionsViewModel.OptionsViewModel().

6.36.2.3. string Web_Studio.Properties.Settings.EditorLinkTextForegroundBrush [get], [set]

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.MainWindowViewModel().

6.36.2.4. bool Web_Studio.Properties.Settings.EditorShowLineNumbers [get], [set]

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.MainWindowViewModel() y Web_Studio.↩ ViewModels.OptionsViewModel.OptionsViewModel().

6.36.2.5. double Web_Studio.Properties.Settings.Height [get], [set]

6.36.2.6. string Web_Studio.Properties.Settings.Language [get], [set]

Referenciado por Web_Studio.App.Application_Startup() y Web_Studio.Localization.Localization.Change↩ Language().

6.36.2.7. double Web_Studio.Properties.Settings.Left [get], [set]

6.36.2.8. double Web_Studio.Properties.Settings.Top [get], [set]

6.36.2.9. double Web_Studio.Properties.Settings.Width [get], [set]

6.36.2.10. global.System.Windows.WindowState Web_Studio.Properties.Settings.WindowState [get], [set]

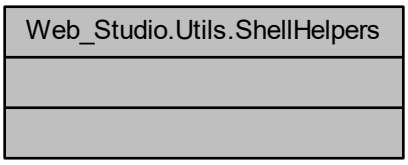
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Settings.Designer.cs

6.37. Referencia de la Clase Web_Studio.Utils.ShellHelpers

Microsoft class to manage some System APIs

Diagrama de colaboración para Web_Studio.Utils.ShellHelpers:



Clases

- class **CShellLink**
- class ErrorHelper
- interface **IPersistFile**
- interface IPropertyStore
- interface **IShellLinkW**
- class **ShellIIDGuid**

6.37.1. Descripción detallada

Microsoft class to manage some System APIs

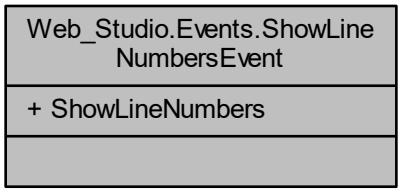
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ShellHelpers.cs

6.38. Referencia de la Clase Web_Studio.Events.ShowLineNumbersEvent

Show line numbers event

Diagrama de colaboración para Web_Studio.Events.ShowLineNumbersEvent:



Propiedades

- bool ShowLineNumbers `[get, set]`

  new value

6.38.1. Descripción detallada

Show line numbers event

6.38.2. Documentación de propiedades

6.38.2.1. bool Web_Studio.Events.ShowLineNumbersEvent.ShowLineNumbers `[get],[set]`

new value

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.ManageChangedShowLineNumbers().

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ShowLineNumbersEvent.cs

6.39. Referencia de la Clase Web_Studio.Converters.SouceToImageSourceConverter

This converter checks if we can make the binding

Diagrama de herencias de Web_Studio.Converters.SouceToImageSourceConverter

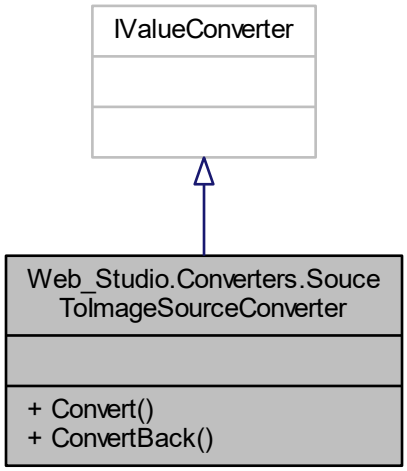
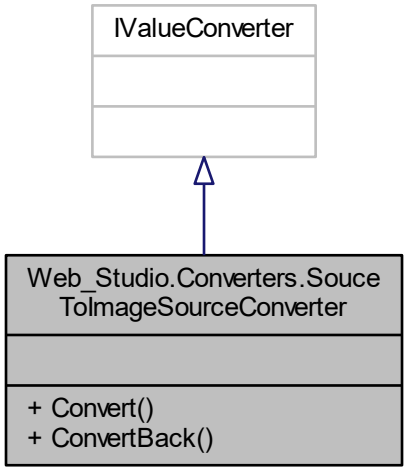


Diagrama de colaboración para Web_Studio.Converters.SouceToImageSourceConverter:



Métodos públicos

- object Convert (object value, Type targetType, object parameter, CultureInfo culture)

  Only make the binding if it is an image
- object ConvertBack (object value, Type targetType, object parameter, CultureInfo culture)

  Not used

6.39.1. Descripción detallada

This converter checks if we can make the binding

6.39.2. Documentación de las funciones miembro

6.39.2.1. object Web_Studio.Converters.SouceToImageSourceConverter.Convert (object *value,* Type *targetType,* object *parameter,* CultureInfo *culture*) [inline]

Only make the binding if it is an image

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00022         {
00023             string path = value as String;
00024             var s = Path.GetExtension(path);
00025             if (s != null)
00026             {
00027                 var extension = s.ToLower();
00028                 switch (extension)
00029                 {
00030                     case ".png":
00031                     case ".jpg":
00032                     case ".gif":
00033                         return value;
00034                     default:
00035                         return null;
00036                 }
00037             }
00038             return null;
00039         }
```

6.39.2.2. object Web_Studio.Converters.SouceToImageSourceConverter.ConvertBack (object *value,* Type *targetType,* object *parameter,* CultureInfo *culture*) [inline]

Not used

Parámetros

value	
targetType	
parameter	
culture	

Devuelve

```
00051         {
00052             return null;
00053             //Ignore
00054         }
```

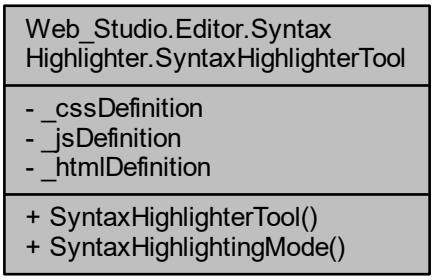
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/SouceToImageSourceConverter.cs

6.40. Referencia de la Clase Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool

Class to manage SyntaxHighlighter easily

Diagrama de colaboración para Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool:



Métodos públicos

- SyntaxHighlighterTool ()

  Default constructor for loading custom SyntaxHighlighter
- IHighlightingDefinition SyntaxHighlightingMode (string pathToFile)

  Get the SyntaxHighlighting for the file extension

Atributos privados estáticos

- static IHighlightingDefinition _cssDefinition
- static IHighlightingDefinition _jsDefinition
- static IHighlightingDefinition _htmlDefinition

6.40.1. Descripción detallada

Class to manage SyntaxHighlighter easily

6.40.2. Documentación del constructor y destructor

6.40.2.1. Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool.SyntaxHighlighterTool ( ) [inline]

Default constructor for loading custom SyntaxHighlighter

```
00022         {
00023             if (_cssDefinition == null)
00024             {
00025                 using (
00026                     var reader =
00027                         XmlReader.Create(AppDomain.CurrentDomain.BaseDirectory + "
      Editor/SyntaxHighlighter/CSS.xshd"))
00028                 {
00029                     _cssDefinition = HighlightingLoader.Load(reader, HighlightingManager.
      Instance);
00030                 }
00031             }
00032
00033             if (_jsDefinition == null)
00034             {
00035                 using (
00036                     var reader =
```

```
00037                       XmlReader.Create(AppDomain.CurrentDomain.BaseDirectory + "
      Editor/SyntaxHighlighter/JS.xshd"))
00038                   {
00039                       _jsDefinition = HighlightingLoader.Load(reader, HighlightingManager.
      Instance);
00040                   }
00041               }
00042               if (_htmlDefinition == null)
00043               {
00044                   using (
00045                       var reader =
00046                           XmlReader.Create(AppDomain.CurrentDomain.BaseDirectory + "
      Editor/SyntaxHighlighter/HTML.xshd"))
00047                   {
00048                       _htmlDefinition = HighlightingLoader.Load(reader, HighlightingManager.
      Instance);
00049                   }
00050               }
00051           }
```

6.40.3. Documentación de las funciones miembro

6.40.3.1. IHighlightingDefinition Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool.SyntaxHighlightingMode (string *pathToFile*) [inline]

Get the SyntaxHighlighting for the file extension

Parámetros

pathToFile	

Devuelve

```
00059           {
00060               var extension = Path.GetExtension(pathToFile);
00061               switch (extension)
00062               {
00063                   case ".html":
00064                   case ".HTML":
00065                       return _htmlDefinition;
00066                   case ".css":
00067                   case ".CSS":
00068                       return _cssDefinition;
00069                   case ".ws":
00070                   case ".js":
00071                   case ".JS":
00072                       return _jsDefinition;
00073                   default:
00074                       return null; //Only plain text without SyntaxHighlighting
00075               }
00076           }
```

6.40.4. Documentación de los datos miembro

6.40.4.1. IHighlightingDefinition Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool._cssDefinition [static], [private]

6.40.4.2. IHighlightingDefinition Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool._htmlDefinition [static], [private]

6.40.4.3. IHighlightingDefinition Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool._jsDefinition [static], [private]

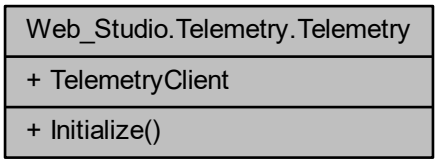
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/SyntaxHighlighterTool.cs

6.41. Referencia de la Clase Web_Studio.Telemetry.Telemetry

Manage Windows Telemetry in Azure

Diagrama de colaboración para Web_Studio.Telemetry.Telemetry:



Métodos públicos estáticos

- static void Initialize ()
  Telemetry config

Atributos públicos estáticos

- static readonly TelemetryClient TelemetryClient = new TelemetryClient()
  client to send the telemetry data

6.41.1. Descripción detallada

Manage Windows Telemetry in Azure

6.41.2. Documentación de las funciones miembro

6.41.2.1. static void Web_Studio.Telemetry.Telemetry.Initialize ( ) [inline], [static]

Telemetry config

```
00021         {
00022             TelemetryClient.InstrumentationKey = "58f8f90f-bb85-4646-9d62-5009739028e5";
00023             TelemetryClient.Context.User.Id = Environment.UserName;
00024             TelemetryClient.Context.Session.Id = Guid.NewGuid().ToString();
00025             TelemetryClient.Context.Device.OperatingSystem = Environment.OSVersion.ToString(
    );
00026             TelemetryClient.Context.Device.Language = CultureInfo.CurrentCulture.Name;
00027         }
```

6.41.3. Documentación de los datos miembro

6.41.3.1. readonly TelemetryClient Web_Studio.Telemetry.Telemetry.TelemetryClient = new TelemetryClient() [static]

client to send the telemetry data

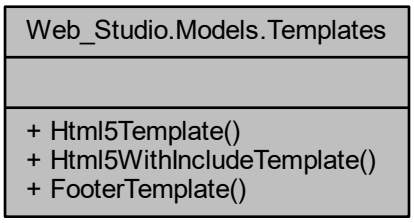
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Telemetry.cs

6.42. Referencia de la Clase Web_Studio.Models.Templates

Class to manage web templates

Diagrama de colaboración para Web_Studio.Models.Templates:



Métodos públicos estáticos

- static string Html5Template ()

  Simple HTML5 template
- static string Html5WithIncludeTemplate ()

  HTML5 template with include tag
- static string FooterTemplate ()

  Footer template

6.42.1. Descripción detallada

Class to manage web templates

6.42.2. Documentación de las funciones miembro

6.42.2.1. static string Web_Studio.Models.Templates.FooterTemplate ( ) [inline], [static]

Footer template

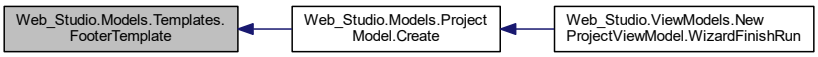
Devuelve

Hace referencia a Web_Studio.Models.ProjectModel.Instance y Web_Studio.Models.ProjectModel.Name.

Referenciado por Web_Studio.Models.ProjectModel.Create().

```
00049         {
00050             return "<p>Copyright " + DateTime.Today.Year.ToString() + " " + ProjectModel.Instance.Name+@"
      </p>";
00051         }
```

Gráfico de llamadas a esta función:



6.42.2.2. static string Web_Studio.Models.Templates.Html5Template ( ) [inline], [static]

Simple HTML5 template

Devuelve

```
00015         {
00016             return @"<!DOCTYPE html>
00017 <html>
00018 <head>
00019     <meta charset=""UTF-8"">
00020 </head>
00021 <body>
00022
00023 </body>
00024 </html>";
00025         }
```

6.42.2.3. static string Web_Studio.Models.Templates.Html5WithIncludeTemplate ( ) [inline], [static]

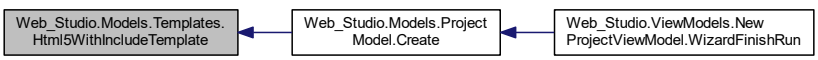
HTML5 template with include tag

Devuelve

Referenciado por Web_Studio.Models.ProjectModel.Create().

```
00032         {
00033             return @"<!DOCTYPE html>
00034 <html>
00035 <head>
00036     <meta charset=""UTF-8"">
00037 </head>
00038 <body>
00039     <include src=""footer.html"" />
00040 </body>
00041 </html>";
00042         }
```

Gráfico de llamadas a esta función:



La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/Templates.cs

6.43. Referencia de la Clase Web_Studio.Editor.TextEditorMvvm

Custom Avalont TextEditor with MVVM pattern

Diagrama de herencias de Web_Studio.Editor.TextEditorMvvm

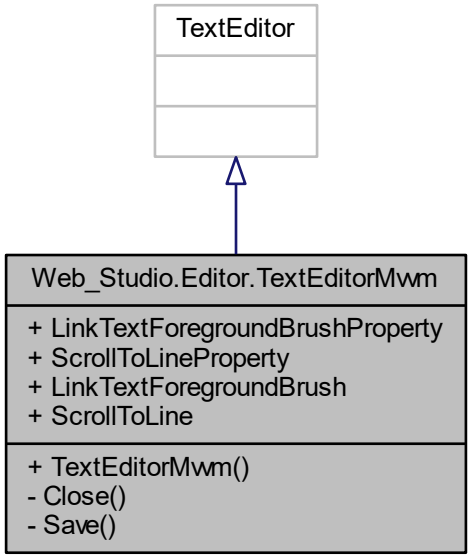
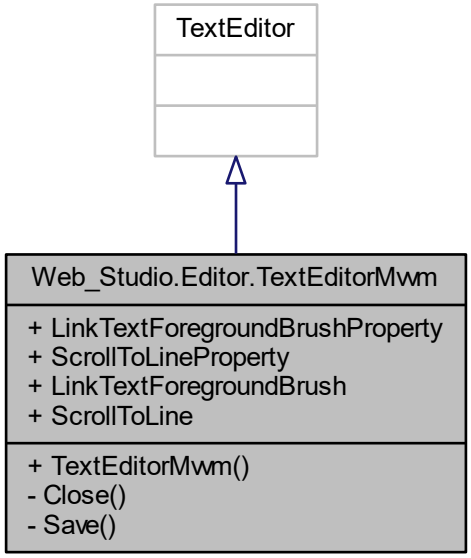


Diagrama de colaboración para Web_Studio.Editor.TextEditorMvvm:



Métodos públicos

- TextEditorMvvm ()

  Default constructor, assign new shortcuts

Atributos públicos estáticos

- static DependencyProperty LinkTextForegroundBrushProperty

  Custom LinkTextForegroundBrushProperty for XAML
- static readonly DependencyProperty ScrollToLineProperty

  Register ScrollToLine property and manage the changed event

Propiedades

- Brush LinkTextForegroundBrush `[get, set]`

  LinkTextForegroundBrushProperty
- new int ScrollToLine `[get, set]`

  Go to a line and select its content

Métodos privados

- async void Close ()

  Method to run when press Ctrl+W
- async void Save ()

  Method to run when press Ctrl+S

6.43.1. Descripción detallada

Custom Avalont TextEditor with MVVM pattern

6.43.2. Documentación del constructor y destructor

6.43.2.1. Web_Studio.Editor.TextEditorMvvm.TextEditorMvvm ( ) [inline]

Default constructor, assign new shortcuts

```
00020         {
00021             TextArea.DefaultInputHandler.AddBinding(new DelegateCommand(Save), ModifierKeys.Control,Key
      .S,null);
00022             TextArea.DefaultInputHandler.AddBinding(new DelegateCommand(Close),ModifierKeys.Control,
      Key.W,null );
00023         }
```

6.43.3. Documentación de las funciones miembro

6.43.3.1. async void Web_Studio.Editor.TextEditorMvvm.Close ( ) [inline], [private]

Method to run when press Ctrl+W

Hace referencia a Web_Studio.Editor.EditorViewModel.CloseCommand.

```
00029         {
00030             var vm = DataContext as EditorViewModel;
00031             if (vm != null)
00032             {
00033                await vm.CloseCommand.Execute();
00034             }
00035         }
```

6.43.3.2. async void Web_Studio.Editor.TextEditorMvvm.Save ( ) [inline], [private]

Method to run when press Ctrl+S

Hace referencia a Web_Studio.Editor.EditorViewModel.SaveCommand.

```
00041         {
00042             var vm = DataContext as EditorViewModel;
00043             if (vm != null)
00044             {
00045                 await vm.SaveCommand.Execute();
00046             }
00047         }
```

6.43.4. Documentación de los datos miembro

6.43.4.1. DependencyProperty Web_Studio.Editor.TextEditorMvvm.LinkTextForegroundBrushProperty [static]

Valor inicial:

```
=
          DependencyProperty.Register("LinkTextForegroundBrush", typeof (Brush), typeof (
      TextEditorMvvm),

                new PropertyMetadata((obj, args) =>
                {
                    var target = (TextEditorMvvm) obj;
                    target.LinkTextForegroundBrush = (Brush) args.NewValue;
                })
                )
```

Custom LinkTextForegroundBrushProperty for XAML

6.43.4.2. readonly DependencyProperty Web_Studio.Editor.TextEditorMvvm.ScrollToLineProperty [static]

Valor inicial:

```
=
            DependencyProperty.Register("ScrollToLine", typeof(int), typeof(
        TextEditorMvvm),
                    new PropertyMetadata((obj, args) =>
                    {
                        var target = (TextEditorMvvm)obj;
                        target.ScrollToLine = (int)args.NewValue;
                    })
                   )
```

Register ScrollToLine property and manage the changed event

6.43.5. Documentación de propiedades

6.43.5.1. Brush Web_Studio.Editor.TextEditorMvvm.LinkTextForegroundBrush [get], [set]

LinkTextForegroundBrushProperty

6.43.5.2. new int Web_Studio.Editor.TextEditorMvvm.ScrollToLine [get], [set]

Go to a line and select its content

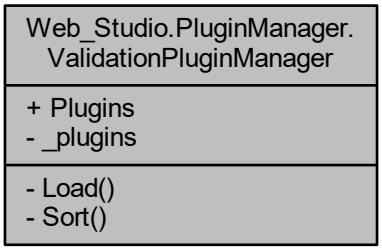
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/TextEditorMVVM.cs

6.44. Referencia de la Clase Web_Studio.PluginManager.ValidationPluginManager

Class to manage the validation plugins

Diagrama de colaboración para Web_Studio.PluginManager.ValidationPluginManager:



Propiedades

- static ObservableCollection< Lazy< IValidation, IValidationMetadata > > Plugins [get, private set]

  List of plugins that implements IValidation interface

Métodos privados estáticos

- static void Load ()

  Load the validation plugins
- static void Sort (IEnumerable< Lazy< IValidation, IValidationMetadata >> plugins)

  Sort the plugins to get an ordered collection

Atributos privados estáticos

- static ObservableCollection< Lazy< IValidation, IValidationMetadata > > _plugins

6.44.1. Descripción detallada

Class to manage the validation plugins

6.44.2. Documentación de las funciones miembro

6.44.2.1. static void Web_Studio.PluginManager.ValidationPluginManager.Load ( ) [inline], [static], [private]

Load the validation plugins

Hace referencia a Web_Studio.PluginManager.GenericMefPluginLoader< T >.Plugins.

```
00036         {
00037             try
00038             {
00039                 GenericMefPluginLoader<Lazy<IValidation, IValidationMetadata» loader = new
      GenericMefPluginLoader<Lazy<IValidation, IValidationMetadata»("Plugins\\Check");
00040                 Sort(loader.Plugins);
00041                 Telemetry.Telemetry.TelemetryClient.TrackMetric("Number of check plugins loaded",
      _plugins.Count);
00042             }
00043             catch (Exception e )
00044             {
00045                  Telemetry.Telemetry.TelemetryClient.TrackException(e);
00046             }
00047 
00048         }
```

6.44.2.2. static void Web_Studio.PluginManager.ValidationPluginManager.Sort (IEnumerable< Lazy< IValidation, IValidationMetadata >> *plugins*) [inline], [static], [private]

Sort the plugins to get an ordered collection

Parámetros

plugins	

```
00055         {
00056             Queue<Lazy<IValidation,IValidationMetadata» queue = new Queue<Lazy<IValidation,
      IValidationMetadata»();
00057             List<Lazy<IValidation, IValidationMetadata» sortedList = new List<Lazy<IValidation,
      IValidationMetadata»();
00058 
00059             //Get the firt elements and add it to the queue
00060             var elements = plugins.Where(p => p.Metadata.After.Equals(""));
00061             foreach (Lazy<IValidation, IValidationMetadata> element in elements)
00062             {
00063                 queue.Enqueue(element);
00064             }
00065 
00066             while (queue.Count > 0)
00067             {
```

```
00068                 //Get the first element, add to the sorted list, and enqueue the other elements that depend
      of this element (child elements)
00069                 var element = queue.Dequeue();
00070                 sortedList.Add(element);
00071                 var childElements = plugins.Where(p => p.Metadata.After.Equals(element.Metadata.Name));
00072                 foreach (Lazy<IValidation, IValidationMetadata> childElement in childElements)
00073                 {
00074                     queue.Enqueue(childElement);
00075                 }
00076
00077             }
00078             Plugins = new ObservableCollection<Lazy<IValidation, IValidationMetadata»(sortedList);
00079         }
```

6.44.3. Documentación de los datos miembro

6.44.3.1. ObservableCollection<Lazy<IValidation, IValidationMetadata> > Web_Studio.PluginManager.ValidationPlugin↩ Manager._plugins [static],[private]

6.44.4. Documentación de propiedades

6.44.4.1. ObservableCollection<Lazy<IValidation, IValidationMetadata> > Web_Studio.PluginManager.ValidationPlugin↩ Manager.Plugins [static],[get],[private set]

List of plugins that implements IValidation interface

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.Generate(), Web_Studio.ViewModels.Main↩ WindowViewModel.GenerationWorkerOnDoWork(), Web_Studio.Models.ProjectModel.Open(), Web_Studio.View↩ Models.MainWindowViewModel.PluginsWindow(), Web_Studio.Models.ProjectModel.Save() y Web_Studio.View↩ Models.ValidationPluginsViewModel.ValidationPluginsViewModel().

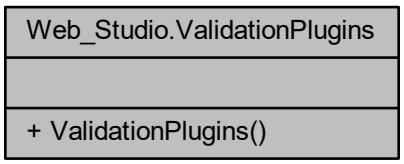
La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ValidationPluginManager.cs

6.45. Referencia de la Clase Web_Studio.ValidationPlugins

Lógica de interacción para ValidationPlugins.xaml

Diagrama de colaboración para Web_Studio.ValidationPlugins:



Métodos públicos

- ValidationPlugins ()

  Default constructor

6.45.1. Descripción detallada

Lógica de interacción para ValidationPlugins.xaml

6.45.2. Documentación del constructor y destructor

6.45.2.1. Web_Studio.ValidationPlugins.ValidationPlugins ( ) [inline]

Default constructor

```
00012         {
00013             InitializeComponent();
00014         }
```

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ValidationPlugins.xaml.cs

6.46. Referencia de la Clase Web_Studio.ViewModels.ValidationPluginsViewModel

View model of ValidationPlugins view

Diagrama de herencias de Web_Studio.ViewModels.ValidationPluginsViewModel

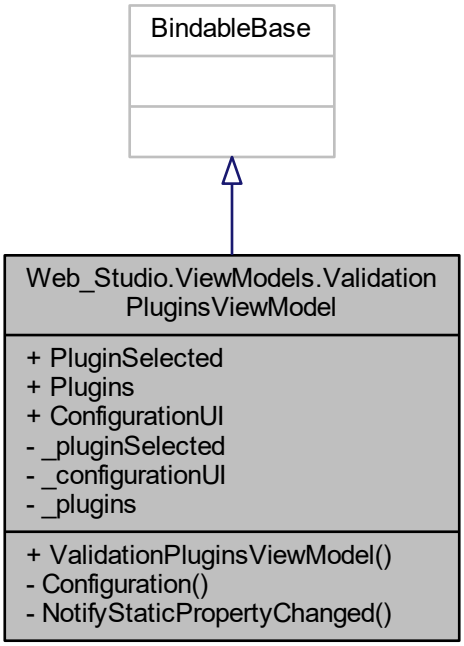
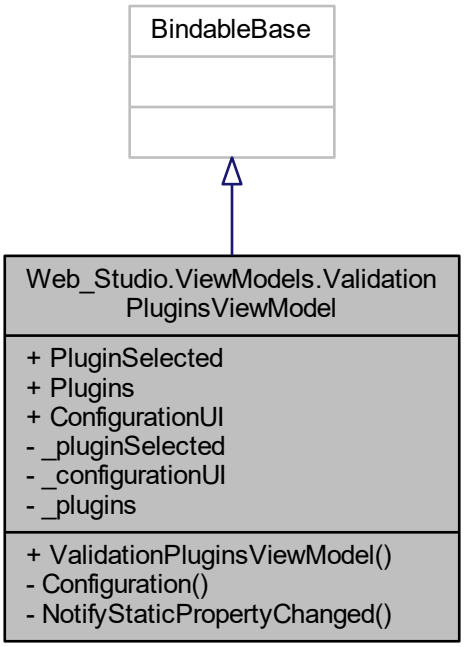


Diagrama de colaboración para Web_Studio.ViewModels.ValidationPluginsViewModel:



Métodos públicos

- ValidationPluginsViewModel ()

  Default constructor

Propiedades

- Lazy< IValidation, IValidationMetadata > PluginSelected `[get, set]`

  Selected plugin in the list
- static ObservableCollection< Lazy< IValidation, IValidationMetadata > > Plugins `[get, set]`

  Validation plugins
- static UserControl ConfigurationUI `[get, set]`

  Configuration user interface of the plugin

Eventos

- static EventHandler< PropertyChangedEventArgs > StaticPropertyChanged

  Property changed static implementation

Métodos privados

- void Configuration (Lazy< IValidation, IValidationMetadata > validation)

  Load the configuration UI of the selected plugin

Métodos privados estáticos

- static void NotifyStaticPropertyChanged (string propertyName)

Atributos privados

- Lazy< IValidation, IValidationMetadata > _pluginSelected

Atributos privados estáticos

- static UserControl _configurationUI
- static ObservableCollection< Lazy< IValidation, IValidationMetadata > > _plugins

6.46.1. Descripción detallada

View model of ValidationPlugins view

6.46.2. Documentación del constructor y destructor

6.46.2.1. Web_Studio.ViewModels.ValidationPluginsViewModel.ValidationPluginsViewModel ( ) [inline]

Default constructor

Hace referencia a Web_Studio.PluginManager.ValidationPluginManager.Plugins.

```
00025         {
00026             Plugins = ValidationPluginManager.
      Plugins;
00027             if (Plugins != null)
00028             {    //Grouping
00029                 CollectionViewSource.GetDefaultView(Plugins)
00030                     .GroupDescriptions.Add(new PropertyGroupDescription("Value.Type"));
00031             }
00032 
00033         }
```

6.46.3. Documentación de las funciones miembro

6.46.3.1. void Web_Studio.ViewModels.ValidationPluginsViewModel.Configuration (Lazy< IValidation, IValidationMetadata > *validation*) [inline], [private]

Load the configuration UI of the selected plugin

Parámetros

validation	

```
00079         {
00080             ConfigurationUI = validation.Value.GetView();
00081         }
```

6.46.3.2. static void Web_Studio.ViewModels.ValidationPluginsViewModel.NotifyStaticPropertyChanged (string *propertyName*) [inline], [static], [private]

```
00088         {
00089             if (StaticPropertyChanged != null)
00090                 StaticPropertyChanged(null, new PropertyChangedEventArgs(propertyName)
      );
00091         }
```

6.46.4. Documentación de los datos miembro

6.46.4.1. UserControl Web_Studio.ViewModels.ValidationPluginsViewModel._configurationUI [static], [private]

6.46.4.2. ObservableCollection<Lazy<IValidation, IValidationMetadata> > Web_Studio.ViewModels.ValidationPluginsViewModel._plugins [static], [private]

6.46.4.3. Lazy<IValidation,IValidationMetadata> Web_Studio.ViewModels.ValidationPluginsViewModel._pluginSelected [private]

6.46.5. Documentación de propiedades

6.46.5.1. UserControl Web_Studio.ViewModels.ValidationPluginsViewModel.ConfigurationUI [static], [get], [set]

Configuration user interface of the plugin

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.PluginsWindow().

6.46.5.2. ObservableCollection<Lazy<IValidation, IValidationMetadata> > Web_Studio.ViewModels.ValidationPluginsViewModel.Plugins [static], [get], [set]

Validation plugins

Referenciado por Web_Studio.ViewModels.MainWindowViewModel.PluginsWindow().

6.46.5.3. Lazy<IValidation, IValidationMetadata> Web_Studio.ViewModels.ValidationPluginsViewModel.PluginSelected [get], [set]

Selected plugin in the list

6.46.6. Documentación de los eventos

6.46.6.1. EventHandler<PropertyChangedEventArgs> Web_Studio.ViewModels.ValidationPluginsViewModel.StaticPropertyChanged [static]

Property changed static implementation

La documentación para esta clase fue generada a partir del siguiente fichero:

- D:/DocumentacionTFG/ADocumentar/ValidationPluginsViewModel.cs

Capítulo 7

Documentación de archivos

7.1. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/About.xaml.cs

Clases

- class Web_Studio.About

  Lógica de interacción para About.xaml

Namespaces

- package Web_Studio

7.2. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/AboutViewModel.cs

Clases

- class Web_Studio.ViewModels.AboutViewModel

  About View Model

Namespaces

- package Web_Studio.ViewModels

7.3. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ActiveDocument↩ Converter.cs

Clases

- class Web_Studio.Converters.ActiveDocumentConverter

  Converter to get the active document

Namespaces

- package Web_Studio.Converters

7.4. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/App.xaml.cs

Clases

- class Web_Studio.App

  Lógica de interacción para App.xaml

Namespaces

- package Web_Studio

7.5. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/BooleanConverter.cs

Clases

- class Web_Studio.Converters.BooleanConverter< T >

  Parametric boolean converter

Namespaces

- package Web_Studio.Converters

7.6. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/BoolToVisibility↩ Converter.cs

Clases

- class Web_Studio.Converters.BoolToVisibilityConverter

  Convert a bool to a visibility type

Namespaces

- package Web_Studio.Converters

7.7. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ChangedLanguage↩ Event.cs

Clases

- class Web_Studio.Events.ChangedLanguageEvent

  Inform that the language has changed

Namespaces

- package Web_Studio.Events

7.8. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ChangedProjectEvent.cs

Clases

- class Web_Studio.Events.ChangedProjectEvent

  Inform the project changed

Namespaces

- package Web_Studio.Events

7.9. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ClosedDocumentEvent.cs

Clases

- class Web_Studio.Events.ClosedDocumentEvent

  Manage the document closed event. Raised in a EditorView and caught in MainWindowViewModel

Namespaces

- package Web_Studio.Events

7.10. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/EditorView.xaml.cs

Clases

- class Web_Studio.Editor.EditorView

  Lógica de interacción para EditorView.xaml

Namespaces

- package Web_Studio.Editor

7.11. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/EditorViewModel.cs

Clases

- class Web_Studio.Editor.EditorViewModel

  ViewModel for the editor view

Namespaces

- package Web_Studio.Editor

7.12. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/EventSystem.cs

Clases

- class Web_Studio.Events.EventSystem

  Class to mange events

Namespaces

- package Web_Studio.Events

7.13. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/FontSizeChanged↩ Event.cs

Clases

- class Web_Studio.Events.FontSizeChangedEvent

  Font size changed event

Namespaces

- package Web_Studio.Events

7.14. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/FtpClient.xaml.cs

Clases

- class Web_Studio.FtpClient

  Code behind FtpClient.xaml

Namespaces

- package Web_Studio

7.15. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/GenericMEFPlugin↩ Loader.cs

Clases

- class Web_Studio.PluginManager.GenericMefPluginLoader< T >

  Class for loading plugins in MEF arch

Namespaces

- package Web_Studio.PluginManager

7.16. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Json.cs

Clases

- class Web_Studio.Utils.Json

  Class to manage importation and exportation in JSON format

Namespaces

- package Web_Studio.Utils

7.17. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Localization.cs

Clases

- class Web_Studio.Localization.Localization

  Class to manage the app language

Namespaces

- package Web_Studio.Localization

7.18. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MainWindow.xaml.cs

Clases

- class Web_Studio.MainWindow

  Lógica de interacción para MainWindow.xaml

Namespaces

- package Web_Studio

7.19. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MainWindowView↩ Model.cs

Clases

- class Web_Studio.ViewModels.MainWindowViewModel

  ViewModel for my custom Avalon TextEditor (aka TextEditorMvvm)

Namespaces

- package Web_Studio.ViewModels

7.20. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MessageContainerVisibilityChangedEvent.cs

Clases

- class Web_Studio.Events.MessageContainerVisibilityChangedEvent
  Event raised when changed the visibility of message container

Namespaces

- package Web_Studio.Events

7.21. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroConfirmationWindow.xaml.cs

Clases

- class Web_Studio.WindowAction.MetroConfirmationWindow
  Lógica de interacción para MetroConfirmationWindow.xaml

Namespaces

- package Web_Studio.WindowAction

7.22. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroNotificationWindow.xaml.cs

Clases

- class Web_Studio.WindowAction.MetroNotificationWindow
  Lógica de interacción para MetroNotificationWindow.xaml

Namespaces

- package Web_Studio.WindowAction

7.23. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroPopupWindow.xaml.cs

Clases

- class Web_Studio.WindowAction.MetroPopupWindow
  Lógica de interacción para MetroPopupWindow.xaml

Namespaces

- package Web_Studio.WindowAction

7.24. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/MetroPopupWindowAction.cs

Clases

- class Web_Studio.WindowAction.MetroPopupWindowAction

  Override the default PopWindowAction to use a metro window (mahapps)

Namespaces

- package Web_Studio.WindowAction

7.25. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/NewProject.xaml.cs

Clases

- class Web_Studio.NewProject

  Lógica de interacción para NewProject.xaml

Namespaces

- package Web_Studio

7.26. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/NewProjectViewModel.cs

Clases

- class Web_Studio.ViewModels.NewProjectViewModel

  New project view model

Namespaces

- package Web_Studio.ViewModels

7.27. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Notifications.cs

Clases

- class Web_Studio.Utils.Notifications

  Permits to manage notifications

Namespaces

- package Web_Studio.Utils

7.28. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/NullToVisibility↩ Converter.cs

Clases

- class Web_Studio.Converters.NullToVisibilityConverter

  Converter if instance is null or it is instanced.

Namespaces

- package Web_Studio.Converters

7.29. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Options.xaml.cs

Clases

- class Web_Studio.Options

  Lógica de interacción para Options.xaml

Namespaces

- package Web_Studio

7.30. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/OptionsViewModel.cs

Clases

- class Web_Studio.ViewModels.OptionsViewModel

  ViewModel for Option Window

Namespaces

- package Web_Studio.ViewModels

7.31. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ProjectModel.cs

Clases

- class Web_Studio.Models.ProjectModel

  Class to manage settings of one project

Namespaces

- package Web_Studio.Models

7.32. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Resources.Designer.cs

Clases

- class **Web_Studio.Properties.Resources**

  Clase de recurso fuertemente tipado, para buscar cadenas traducidas, etc.

Namespaces

- package Web_Studio.Properties

7.33. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Rules.cs

Clases

- class **Web_Studio.Reglas.Rules**

  Class to manage the rules

Namespaces

- package Web_Studio.Reglas

7.34. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/RulesLanguage.cs

Clases

- class Web_Studio.Reglas.RulesLanguage

  Class to manage the translations of the rules

Namespaces

- package Web_Studio.Reglas

7.35. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/SetPropertiesResolver.cs

Clases

- class Web_Studio.Utils.SetPropertiesResolver

  Custon JSON resolver for Newtonsoft JSON

Namespaces

- package Web_Studio.Utils

7.36. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Settings.Designer.cs

Clases

- class Web_Studio.Properties.Settings

Namespaces

- package Web_Studio.Properties

7.37. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ShellHelpers.cs

Clases

- class Web_Studio.Utils.ShellHelpers

  Microsoft class to manage some System APIs
- class **Web_Studio.Utils.ShellHelpers.ShellIIDGuid**
- interface **Web_Studio.Utils.ShellHelpers.IShellLinkW**
- interface **Web_Studio.Utils.ShellHelpers.IPersistFile**
- interface Web_Studio.Utils.ShellHelpers.IPropertyStore
- class **Web_Studio.Utils.ShellHelpers.CShellLink**
- class Web_Studio.Utils.ShellHelpers.ErrorHelper

Namespaces

- package Web_Studio.Utils

7.38. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ShowLineNumbersEvent.cs

Clases

- class Web_Studio.Events.ShowLineNumbersEvent

  Show line numbers event

Namespaces

- package Web_Studio.Events

7.39. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/SouceToImageSourceConverter.cs

Clases

- class Web_Studio.Converters.SouceToImageSourceConverter

  This converter checks if we can make the binding

Namespaces

- package Web_Studio.Converters

7.40. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/SyntaxHighlighterTool.cs

Clases

- class Web_Studio.Editor.SyntaxHighlighter.SyntaxHighlighterTool

  Class to manage SyntaxHighlighter easily

Namespaces

- package Web_Studio.Editor.SyntaxHighlighter

7.41. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Telemetry.cs

Clases

- class Web_Studio.Telemetry.Telemetry

  Manage Windows Telemetry in Azure

Namespaces

- package Web_Studio.Telemetry

7.42. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/Templates.cs

Clases

- class Web_Studio.Models.Templates

  Class to manage web templates

Namespaces

- package Web_Studio.Models

7.43. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/TextEditorMVVM.cs

Clases

- class Web_Studio.Editor.TextEditorMvvm

  Custom Avalont TextEditor with MVVM pattern

Namespaces

- package Web_Studio.Editor

7.44. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ValidationPluginManager.cs

Clases

- class Web_Studio.PluginManager.ValidationPluginManager
  Class to manage the validation plugins

Namespaces

- package Web_Studio.PluginManager

7.45. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ValidationPlugins.xaml.cs

Clases

- class Web_Studio.ValidationPlugins
  Lógica de interacción para ValidationPlugins.xaml

Namespaces

- package Web_Studio

7.46. Referencia del Archivo D:/DocumentacionTFG/ADocumentar/ValidationPluginsViewModel.cs

Clases

- class Web_Studio.ViewModels.ValidationPluginsViewModel
  View model of ValidationPlugins view

Namespaces

- package Web_Studio.ViewModels

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