Arduino_WPF

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Chapter 1

Namespace Index

1.1 Package List

Here are the packages with brief descriptions (if available):

rduino_WPF	7
rduino_WPF.Models	7
rduino_WPF.Utils	7
rduino_WPF.ViewModels	8
rduino_WPF.Views	8
amlGeneratedNamespace	8

2 Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Application
Arduino_WPF.App
System. Windows. Application
Arduino_WPF.App
Arduino_WPF.App
Arduino_WPF.Models.COM
System.Windows.Markup.IComponentConnector
Arduino_WPF.Views.CustomPin
Arduino_WPF.Views.CustomPin
Arduino_WPF.Views.MainWindow
Arduino_WPF.Views.PinView
Arduino_WPF.Views.PinView
Arduino_WPF.Views.SerialConnectionView
Arduino_WPF.Views.SerialConnectionView
Arduino_WPF.Views.SerialMonitorWindow
Arduino_WPF.Views.SerialMonitorWindow
Arduino_WPF.Views.SerialMonitorWinodw
INotifyPropertyChanged
Arduino_WPF.ViewModels.BaseViewModel
Arduino_WPF.ViewModels.CustomPinViewModel
Arduino_WPF.ViewModels.MainWindowViewModel
Arduino_WPF.ViewModels.PinViewViewModel
Arduino_WPF.ViewModels.SerialConnectionViewViewModel
Arduino_WPF.ViewModels.SerialMonitorViewModel
System.Windows.Markup.InternalTypeHelper
XamlGeneratedNamespace.GeneratedInternalTypeHelper
XamlGeneratedNamespace.GeneratedInternalTypeHelper
IValueConverter
Arduino_WPF.Utils.StringToVisibilityConverter
Arduino_WPF.Models.Pin

Hierarchical Index

Ard	uino_WPF.Utils.PresetJsonLoader \dots														23
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Sys	tem.Windows.Window														
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.MainWindow						 								18
	Arduino_WPF.Views.SerialMonitorWindow						 							. :	27
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Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Arduno_WPF.App
Interaction logic for App.xaml
Arduino_WPF.ViewModels.BaseViewModel
Arduino_WPF.Models.COM
Arduino_WPF.Views.CustomPin
CustomPin
Arduino_WPF.ViewModels.CustomPinViewModel
XamlGeneratedNamespace.GeneratedInternalTypeHelper
GeneratedInternalTypeHelper
Arduino_WPF.Views.MainWindow
MainWindow
Arduino_WPF.ViewModels.MainWindowViewModel
Arduino_WPF.Models.Pin
Arduino_WPF.Views.PinView
PinView
Arduino_WPF.ViewModels.PinViewViewModel
Arduino_WPF.Utils.PresetJsonLoader
Arduino_WPF.Views.SerialConnectionView
SerialConnectionView
Arduino_WPF.ViewModels.SerialConnectionViewViewModel
Arduino_WPF.ViewModels.SerialMonitorViewModel
Arduino_WPF.Views.SerialMonitorWindow
SerialMonitorWindow
Arduino_WPF.Views.SerialMonitorWinodw
SerialMonitorWinodw
Arduino_WPF.Utils.StringToVisibilityConverter

6 Class Index

Chapter 4

Namespace Documentation

4.1 Arduino_WPF Namespace Reference

Classes

class App

Interaction logic for App.xaml.

4.2 Arduino WPF.Models Namespace Reference

Classes

- class COM
- class Pin

Enumerations

```
    enum PinMode {
        Input , Output , Input_Pullup , Analog ,
        PWM , Servo , Unknown }
        Enum for the different pin modes.
    enum State { Low , High , Unknown }
        Enum for the different pin states.
```

4.3 Arduino_WPF.Utils Namespace Reference

Classes

- class PresetJsonLoader
- class StringToVisibilityConverter

4.4 Arduino_WPF.ViewModels Namespace Reference

Classes

- · class BaseViewModel
- · class CustomPinViewModel
- class MainWindowViewModel
- class PinViewViewModel
- class SerialConnectionViewViewModel
- class SerialMonitorViewModel

4.5 Arduino_WPF.Views Namespace Reference

Classes

• class CustomPin

CustomPin.

· class MainWindow

MainWindow.

class PinView

PinView.

class SerialConnectionView

SerialConnectionView.

· class SerialMonitorWindow

SerialMonitorWindow.

• class SerialMonitorWinodw

SerialMonitorWinodw.

4.6 XamlGeneratedNamespace Namespace Reference

Classes

• class GeneratedInternalTypeHelper

GeneratedInternalTypeHelper.

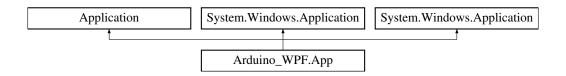
Chapter 5

Class Documentation

5.1 Arduino WPF.App Class Reference

Interaction logic for App.xaml.

Inheritance diagram for Arduino_WPF.App:



Public Member Functions

void InitializeComponent ()

InitializeComponent.

• void InitializeComponent ()

InitializeComponent.

Static Public Member Functions

· static void Main ()

Application Entry Point.

· static void Main ()

Application Entry Point.

5.1.1 Detailed Description

Interaction logic for App.xaml.

App.

The documentation for this class was generated from the following files:

- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/App.xaml.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/App.
 —
 g.i.cs

5.2 Arduino WPF.ViewModels.BaseViewModel Class Reference

Inheritance diagram for Arduino_WPF.ViewModels.BaseViewModel:

Protected Member Functions

- void OnPropertyChanged ([CallerMemberName] string? propertyName=null)
 This method is called when a property is changed.
- bool SetProperty < T > (ref T field, T value, [CallerMemberName] string? propertyName=null)
 This method sets the property and calls OnPropertyChanged if the value is different.

Events

• PropertyChangedEventHandler PropertyChanged

5.2.1 Member Function Documentation

5.2.1.1 OnPropertyChanged()

This method is called when a property is changed.

Parameters

propertyName

5.2.1.2 **SetProperty**< T >()

This method sets the property and calls OnPropertyChanged if the value is different.

Template Parameters



Parameters

field	
value	
propertyName	

Returns

The documentation for this class was generated from the following file:

· C:/Users/Adrian/Documents/git/Arduino WPF/Arduino WPF/Arduino WPF/ViewModels/BaseViewModel.cs

5.3 Arduino_WPF.Models.COM Class Reference

Public Member Functions

• COM (int baudrate, string port, Parity parity, int dataBits, StopBits stopBits)

Constructor for the COM class.

void OpenConnection ()

Opens the connection to the serial port.

• void CloseConnection ()

Closes the connection to the serial port.

void SetBaudrate (int baudrate)

This method sets the port of the serial port.

void SetParity (Parity parity)

This method sets the parity of the serial port.

· void SetDataBits (int dataBits)

This method sets the data bits of the serial port.

• string ReadSerialOutput ()

Reads the serial buffer and returns it as a string.

• void ClearSerialOutput ()

Clears the serial buffer.

void WriteSerialOutput (string data)

Writes data to the serial port.

· string ReadPinConfiguration ()

Reads the pin configuration from the serial buffer and returns it as a string.

List< JObject > ExtractJsonObjects (ref string data)

This method extracts JSON objects from a string and returns them as a list of JObjects.

Static Public Member Functions

• static string[] ListOpenPorts ()

Lists the open ports.

Properties

```
int Baudrate [get, set]
string Port [get, set]
Parity Parity [get, set]
int DataBits [get, set]
StopBits StopBits [get, set]
```

5.3.1 Constructor & Destructor Documentation

5.3.1.1 COM()

```
Arduino_WPF.Models.COM.COM (
    int baudrate,
    string port,
    Parity parity,
    int dataBits,
    StopBits stopBits)
```

Constructor for the COM class.

Parameters

baudrate	
port	
parity	
dataBits	
stopBits	

5.3.2 Member Function Documentation

5.3.2.1 ExtractJsonObjects()

This method extracts JSON objects from a string and returns them as a list of JObjects.

Parameters

data

Returns

List of JObjects

5.3.2.2 ListOpenPorts()

```
static string[] Arduino_WPF.Models.COM.ListOpenPorts ( ) [static]
```

Lists the open ports.

Returns

5.3.2.3 ReadPinConfiguration()

```
string Arduino_WPF.Models.COM.ReadPinConfiguration ( )
```

Reads the pin configuration from the serial buffer and returns it as a string.

Returns

Pin configuration as a string

5.3.2.4 ReadSerialOutput()

```
string Arduino_WPF.Models.COM.ReadSerialOutput ( )
```

Reads the serial buffer and returns it as a string.

Returns

Serial buffer as a string

5.3.2.5 SetBaudrate()

This method sets the port of the serial port.

Parameters

baudrate

5.3.2.6 SetDataBits()

This method sets the data bits of the serial port.

Parameters

dataBits

5.3.2.7 SetParity()

This method sets the parity of the serial port.

Parameters

parity

5.3.2.8 WriteSerialOutput()

```
void Arduino_WPF.Models.COM.WriteSerialOutput ( string \ \textit{data} \ )
```

Writes data to the serial port.

Parameters

data

The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Models/COM.cs

5.4 Arduino_WPF.Views.CustomPin Class Reference

CustomPin.

Inheritance diagram for Arduino_WPF.Views.CustomPin:



Public Member Functions

- void InitializeComponent ()
 - InitializeComponent.
- void InitializeComponent ()

InitializeComponent.

5.4.1 Detailed Description

CustomPin.

Interaction logic for CustomPin.xaml.

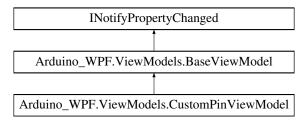
The documentation for this class was generated from the following files:

- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/

 Views/CustomPin.g.i.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Views/CustomPin.xaml.cs

5.5 Arduino_WPF.ViewModels.CustomPinViewModel Class Reference

Inheritance diagram for Arduino_WPF.ViewModels.CustomPinViewModel:



Public Member Functions

- CustomPinViewModel (int iD, PinMode pinMode, State state, COM com, Action < object > OnClickExitButton)

 Constructor for the CustomPinViewModel class.
- · void UpdateState ()

This method updates the state of the pin.

• void WritePin ()

This method writes the configured PinData to the Microcontroller.

Properties

- ObservableCollection < PinMode > PinModes [get]
- ObservableCollection < State > PinStates [get]
- string **Titel** [get]

This property gets the title of the pin.

string LastRefreshText [get]

This property gets the text for the refresh label.

• int ID [get, set]

This property gets the ID of the pin.

PinMode PinMode [get, set]

This property gets the pinMode of the pin.

• State State [get, set]

This property gets the state of the pin.

```
PinMode SelectedPinMode [get, set]State SelectedState [get, set]
```

- bool **IsPinInput** [get, set]
- DateTime LastRefresh [get]

This property gets the last refresh of the pin.

• ICommand OnClickExitButtonCommand [get, set]

This property gets the command for the exit button.

• ICommand WritePinCommand [get, set]

This property gets the command for the Write pin button.

Additional Inherited Members

Protected Member Functions inherited from Arduino_WPF.ViewModels.BaseViewModel

• void OnPropertyChanged ([CallerMemberName] string? propertyName=null)

This method is called when a property is changed.

bool SetProperty < T > (ref T field, T value, [CallerMemberName] string? propertyName=null)

This method sets the property and calls OnPropertyChanged if the value is different.

Events inherited from Arduino_WPF.ViewModels.BaseViewModel

• PropertyChangedEventHandler PropertyChanged

5.5.1 Constructor & Destructor Documentation

5.5.1.1 CustomPinViewModel()

```
Arduino_WPF.ViewModels.CustomPinViewModel.CustomPinViewModel (
    int iD,
    PinMode pinMode,
    State state,
    COM com,
    Action< object > OnClickExitButton )
```

Constructor for the CustomPinViewModel class.

Parameters

iD	
pinMode	
state	
OnClickExitButton	

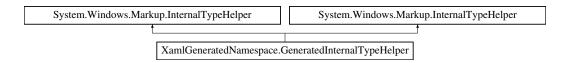
The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/ViewModels/CustomPinView ← Model.cs

5.6 XamlGeneratedNamespace.GeneratedInternalTypeHelper Class Reference

GeneratedInternalTypeHelper.

Inheritance diagram for XamlGeneratedNamespace.GeneratedInternalTypeHelper:



Protected Member Functions

- override object CreateInstance (System.Type type, System.Globalization.CultureInfo culture)
 CreateInstance.
- override object GetPropertyValue (System.Reflection.PropertyInfo propertyInfo, object target, System.
 — Globalization.CultureInfo culture)

GetPropertyValue.

• override void **SetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)

SetPropertyValue.

- override System. Delegate Create Delegate (System. Type delegate Type, object target, string handler)
 Create Delegate.
- override void AddEventHandler (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)

AddEventHandler.

CreateInstance.

- override object **CreateInstance** (System.Type type, System.Globalization.CultureInfo culture)
- override object GetPropertyValue (System.Reflection.PropertyInfo propertyInfo, object target, System.
 — Globalization.CultureInfo culture)

GetPropertyValue.

• override void **SetPropertyValue** (System.Reflection.PropertyInfo propertyInfo, object target, object value, System.Globalization.CultureInfo culture)

SetPropertyValue.

- override System. Delegate CreateDelegate (System. Type delegate Type, object target, string handler)
 CreateDelegate.
- override void AddEventHandler (System.Reflection.EventInfo eventInfo, object target, System.Delegate handler)

AddEventHandler.

5.6.1 Detailed Description

GeneratedInternalTypeHelper.

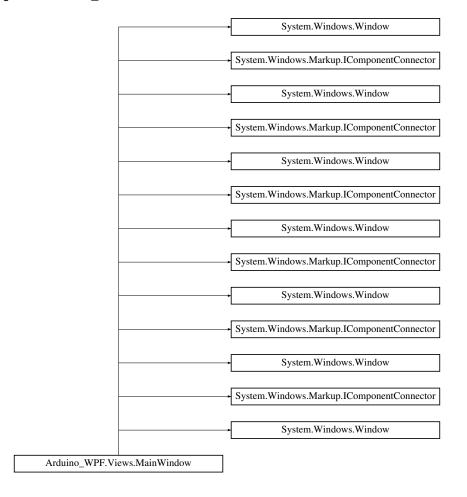
The documentation for this class was generated from the following files:

- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/Generated
 —
 InternalTypeHelper.g.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/Generated
 —
 InternalTypeHelper.g.i.cs

5.7 Arduino_WPF.Views.MainWindow Class Reference

MainWindow.

Inheritance diagram for Arduino_WPF.Views.MainWindow:



Public Member Functions

• void InitializeComponent ()

InitializeComponent.

5.7.1 Detailed Description

MainWindow.

Interaction logic for MainWindow.xaml.

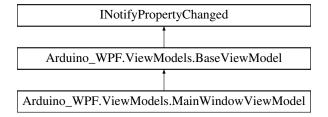
The documentation for this class was generated from the following files:

- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/
 Views/MainWindow.g.i.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/

 Views/MainWindow_BASE_521.g.i.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/
 Views/MainWindow REMOTE 521.g.i.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Views/MainWindow.xaml.cs

5.8 Arduino_WPF.ViewModels.MainWindowViewModel Class Reference

Inheritance diagram for Arduino WPF.ViewModels.MainWindowViewModel:



Properties

- ICommand ShowComConfigurationViewCommand [get, set]
- ICommand ShowPinViewCommand [get, set]
- object SelectedViewModel [get, set]

Additional Inherited Members

Protected Member Functions inherited from Arduino WPF.ViewModels.BaseViewModel

- void OnPropertyChanged ([CallerMemberName] string? propertyName=null)
 This method is called when a property is changed.
- bool SetProperty < T > (ref T field, T value, [CallerMemberName] string? propertyName=null)

This method sets the property and calls OnPropertyChanged if the value is different.

Events inherited from Arduino_WPF.ViewModels.BaseViewModel

• PropertyChangedEventHandler PropertyChanged

The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/ViewModels/MainWindow
ViewModel.cs

5.9 Arduino_WPF.Models.Pin Class Reference

Public Member Functions

• Pin (int id, PinMode pinMode, State state)

Constructor for the Pin class.

• string WritePinData (State newState, PinMode newPinMode)

Writes the pin data to a JSON string.

void ReadPinData (string json)

Reads the pin data from a JSON string.

Properties

```
int Id [get, set]
PinMode Mode [get, set]
State State [get, set]
DateTime LastRefresh [get, set]
```

5.9.1 Constructor & Destructor Documentation

5.9.1.1 Pin()

Constructor for the Pin class.

Parameters

id	
pinMode	
state	

5.9.2 Member Function Documentation

5.9.2.1 ReadPinData()

```
void Arduino_WPF.Models.Pin.ReadPinData ( {\tt string} \ json \ )
```

Reads the pin data from a JSON string.

Parameters

json	

Exceptions

ArgumentNullException

5.9.2.2 WritePinData()

Writes the pin data to a JSON string.

Parameters

newState newPinMode

Returns

Exceptions

ArgumentOutOfRangeException

The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Models/Pin.cs

5.10 Arduino_WPF.Views.PinView Class Reference

PinView.

Inheritance diagram for Arduino_WPF.Views.PinView:

System.Windows.Controls.UserControl		System.Windows.Markup.IComponentConnector		System.Windows.Controls.UserControl		System.Windows.Markup.IComponentConnector		System.Windows.Controls.UserControl	
t							•		1
				Arduino_WPF.	Views.PinView]			

Public Member Functions

• void InitializeComponent ()

InitializeComponent.

• void InitializeComponent ()

InitializeComponent.

5.10.1 Detailed Description

PinView.

Interaction logic for MainView.xaml.

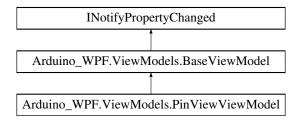
The documentation for this class was generated from the following files:

- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/

 Views/PinView.g.i.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Views/PinView.xaml.cs

5.11 Arduino_WPF.ViewModels.PinViewViewModel Class Reference

Inheritance diagram for Arduino_WPF.ViewModels.PinViewViewModel:



Public Member Functions

• PinViewViewModel (COM com)

Properties

- ObservableCollection < CustomPinViewModel > Pins = [] [get, set]
- ICommand AddPinCommand [get, set]
- COM COM [get, set]

Additional Inherited Members

Protected Member Functions inherited from Arduino_WPF.ViewModels.BaseViewModel

void OnPropertyChanged ([CallerMemberName] string? propertyName=null)

This method is called when a property is changed.

bool SetProperty < T > (ref T field, T value, [CallerMemberName] string? propertyName=null)

This method sets the property and calls OnPropertyChanged if the value is different.

Events inherited from Arduino_WPF.ViewModels.BaseViewModel

PropertyChangedEventHandler PropertyChanged

The documentation for this class was generated from the following file:

C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/ViewModels/PinViewView
 — Model.cs

5.12 Arduino WPF.Utils.PresetJsonLoader Class Reference

Static Public Member Functions

• static string LoadPresetJsonConfigurations ()

Loads the preset JSON configurations.

static List< PresetJsonLoader > GetPresetConfigurations ()

Gets the preset configurations.

static List< PresetJsonLoader > GetPresetAnalogConfigurations ()

Gets the preset analog configurations.

static List< PresetJsonLoader > LoadConfigurationsFromFile (string filePath)

Loads the configurations from a file.

Properties

```
int Id [get, set]string Mode [get, set]int State [get, set]
```

5.12.1 Member Function Documentation

5.12.1.1 GetPresetAnalogConfigurations()

```
static List< PresetJsonLoader > Arduino_WPF.Utils.PresetJsonLoader.GetPresetAnalogConfigurations
( ) [static]
```

Gets the preset analog configurations.

Returns

returns a list of preset analog configurations.

5.12.1.2 GetPresetConfigurations()

```
static List< PresetJsonLoader > Arduino_WPF.Utils.PresetJsonLoader.GetPresetConfigurations ( )
[static]
```

Gets the preset configurations.

Returns

returns a list of preset configurations.

5.12.1.3 LoadConfigurationsFromFile()

Loads the configurations from a file.

Parameters

filePath

Returns

List of preset configurations.

5.12.1.4 LoadPresetJsonConfigurations()

```
\verb|static| string Arduino\_WPF.Utils.PresetJsonLoader.LoadPresetJsonConfigurations () [static] \\
```

Loads the preset JSON configurations.

Returns

The serialized JSON string.

The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Utils/PresetJsonLoader.cs

5.13 Arduino_WPF.Views.SerialConnectionView Class Reference

SerialConnectionView.

 $Inheritance\ diagram\ for\ Arduino_WPF. Views. Serial Connection View:$

```
System.Windows.Controls.UserControl

System.Windows.Markup.IComponentConnector

System.Windows.Markup.IComponentConnector

System.Windows.Controls.UserControl

System.Windows.Markup.IComponentConnector

System.Windows.Controls.UserControl
```

Public Member Functions

• void InitializeComponent ()

InitializeComponent.

void InitializeComponent ()

InitializeComponent.

5.13.1 Detailed Description

SerialConnectionView.

Interaction logic for SerialConnectionView.xaml.

The documentation for this class was generated from the following files:

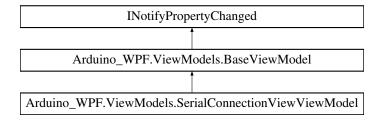
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/

 Views/SerialConnectionView.g.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/

 Views/SerialConnectionView.g.i.cs

5.14 Arduino_WPF.ViewModels.SerialConnectionViewViewModel Class Reference

Inheritance diagram for Arduino_WPF.ViewModels.SerialConnectionViewViewModel:



Public Member Functions

• SerialConnectionViewViewModel ()

This method initializes the SerialConnectionViewViewModel.

Properties

```
    ObservableCollection < string > AvailablePorts [get]

• int BaudRate [get, set]
• Parity Parity [get, set]
• int DataBits [get, set]
• StopBits StopBits [get, set]
• string SelectedPort [get, set]
• string ReadPinConfiguration [get, set]
COM COM [get]

    PresetJsonLoader SelectedPresetConfiguration [get, set]

    List< PresetJsonLoader > PresetConfigurations [get, set]

• ICommand OpenCOMCommand [get]
• ICommand CloseCOMCommand [get]

    ICommand ListPortsCommand [get]

    ICommand ShowSerialMonitorCommand [get]

    ObservableCollection < Parity > ParityValues [get]

    ObservableCollection < StopBits > StopBitsValues [get]

    ICommand LoadPresetConfigurationsCommand [get]

    ICommand SetSelectedPresetConfigurationCommand [get]
```

• ICommand LoadConfigurationsFromFileCommand [get]

Additional Inherited Members

Protected Member Functions inherited from Arduino WPF.ViewModels.BaseViewModel

• void OnPropertyChanged ([CallerMemberName] string? propertyName=null)

This method is called when a property is changed.

bool SetProperty < T > (ref T field, T value, [CallerMemberName] string? propertyName=null)

This method sets the property and calls OnPropertyChanged if the value is different.

Events inherited from Arduino_WPF.ViewModels.BaseViewModel

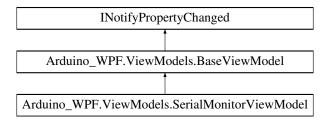
PropertyChangedEventHandler PropertyChanged

The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/ViewModels/SerialConnection ← ViewViewModel.cs

5.15 Arduino_WPF.ViewModels.SerialMonitorViewModel Class Reference

 $Inheritance\ diagram\ for\ Arduino_WPF. View Models. Serial Monitor View Model:$



Public Member Functions

- SerialMonitorViewModel (COM com)
- void ClearSerialOutput ()

This method clears the serial output.

void CopyResultToClipboard ()

This method copies the result to the clipboard.

Properties

- string SerialOutput [get, set]
- ICommand ClearSerialOutputCommand [get]
- ICommand CopyResultToClipboardCommand [get]

Additional Inherited Members

Protected Member Functions inherited from Arduino_WPF.ViewModels.BaseViewModel

- void OnPropertyChanged ([CallerMemberName] string? propertyName=null)

 This method is called when a property is changed.
- bool SetProperty < T > (ref T field, T value, [CallerMemberName] string? propertyName=null)

This method sets the property and calls OnPropertyChanged if the value is different.

Events inherited from Arduino WPF.ViewModels.BaseViewModel

PropertyChangedEventHandler PropertyChanged

The documentation for this class was generated from the following file:

C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/ViewModels/SerialMonitor ViewModel.cs

5.16 Arduino WPF.Views.SerialMonitorWindow Class Reference

SerialMonitorWindow.

Inheritance diagram for Arduino_WPF.Views.SerialMonitorWindow:



Public Member Functions

• void InitializeComponent ()

InitializeComponent.

• void InitializeComponent ()

InitializeComponent.

SerialMonitorWindow (COM com)

5.16.1 Detailed Description

SerialMonitorWindow.

Interaction logic for SerialMonitorWinodw.xaml.

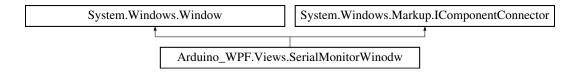
The documentation for this class was generated from the following files:

- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/
 Views/SerialMonitorWindow.q.cs
- C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/
 Views/SerialMonitorWindow.g.i.cs

5.17 Arduino_WPF.Views.SerialMonitorWinodw Class Reference

SerialMonitorWinodw.

Inheritance diagram for Arduino_WPF.Views.SerialMonitorWinodw:



Public Member Functions

· void InitializeComponent ()

InitializeComponent.

5.17.1 Detailed Description

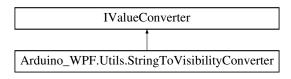
SerialMonitorWinodw.

The documentation for this class was generated from the following file:

C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/obj/Debug/net8.0-windows/
 Views/SerialMonitorWinodw.q.i.cs

5.18 Arduino_WPF.Utils.StringToVisibilityConverter Class Reference

Inheritance diagram for Arduino_WPF.Utils.StringToVisibilityConverter:



Public Member Functions

- object Convert (object value, Type targetType, object parameter, CultureInfo culture)
 - This method converts a string to a visibility.
- object ConvertBack (object value, Type targetType, object parameter, CultureInfo culture)

This method converts a visibility to a string.

5.18.1 Member Function Documentation

5.18.1.1 Convert()

This method converts a string to a visibility.

Parameters

value	
targetType	
parameter	
culture	

Returns

5.18.1.2 ConvertBack()

This method converts a visibility to a string.

Parameters

value	
targetType	
parameter	
culture	

30 Class Documentation
Returns

Exceptions

NotImplementedException

The documentation for this class was generated from the following file:

• C:/Users/Adrian/Documents/git/Arduino_WPF/Arduino_WPF/Arduino_WPF/Utils/StringToVisibilityConverter. ← cs

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