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Namespace UtilitySystem

This is The Namespace for the UtilitySystem, Assembly-CSharp

[UtilitySystem.Data](#)

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[UtilitySystem.Script](#)

[UtilitySystem.Tool](#)

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Namespace UtilitySystem.Data

Classes

[ContextMenuItemButtonData](#)

This class is the ContextMenuItemButtonData. It will be used to create a ContextMenuItemButtonElement. And is a child class of ContextMenuItemData.

[ContextMenuItemData](#)

This class is the ContextMenuItemData. it will be used to create a ContextMenuItemElement.

[ContextMenuItemParentData](#)

This class is the ContextMenuItemParentData. It will be used to create a ContextMenuItemParentElement. And is a child class of ContextMenuItemData.

[CreateElements](#)

This static class will allow the creation of UI Toolkit elements.

Enums

[UIAnchorEnum](#)

This is used to determine how an Inventory will be sorted. To use this enum in UI Builder

Class ContextMenuItemButtonData

This class is the ContextMenuItemButtonData. It will be used to create a ContextMenuItemButtonElement. And is a child class of ContextMenuItemData.

Inheritance

System.Object

[ContextMenuItemData](#)

ContextMenuItemButtonData

Namespace: DownUnderStudios.Utility.System.Data

Assembly: Assembly-CSharp.dll

Syntax

```
[Serializable]
public class ContextMenuItemButtonData : ContextMenuItemData
```

Constructors

ContextMenuItemButtonData(String, Action, Boolean)

This is a Constructor and will create the Context Menu Item Data. (Button)

Declaration

```
public ContextMenuItemButtonData(string textValue, Action action, bool isSectionEnd = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	textValue	This will be added to the text variable.
System.Action	action	This will be added to the onClick variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.

ContextMenuItemButtonData(String, Boolean, Action[])

This is a Constructor and will create the Context Menu Item Data. (Button)

Declaration

```
public ContextMenuItemButtonData(string textValue, bool isSectionEnd = false, params Action[] actions)
```

Parameters

Type	Name	Description
System.String	textValue	This will be added to the text variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.
System.Action[]	actions	This will be added to the onClick variable.

ContextMenuItemButtonData(String, List<Action>, Boolean)

This is a Constructor and will create the Context Menu Item Data. (Button)

Declaration

```
public ContextMenuItemButtonData(string textValue, List<Action> actions, bool isSectionEnd = false)
```

Parameters

Type	Name	Description
System.String	textValue	This will be added to the text variable.
System.Collections.Generic.List<System.Action>	actions	This will be added to the onClick variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.

Fields

onClick

This action will be invoked when the item's is clicked.

Declaration

```
public Action onClick
```

Field Value

Type	Description
System.Action	

Extension Methods

```
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)
```

Class ContextMenuItemData

This class is the ContextMenuItemData. it will be used to create a ContextMenuItemElement.

Inheritance

System.Object
ContextMenuItemData
[ContextMenuItemButtonData](#)
[ContextMenuItemParentData](#)

Namespace: DownUnderStudios.UtilitySystem.Data

Assembly: Assembly-CSharp.dll

Syntax

```
[Serializable]
public class ContextMenuItemData
```

Constructors

ContextMenuItemData(String, Boolean)

This is a Constructor and will create the Context Menu Item Data.

Declaration

```
public ContextMenuItemData(string textView, bool isSectionEnd = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	textValue	This will be added to the text variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.

Fields

isSectionEnd

This boolean if true will add a line breaker after this menu item.

Declaration

```
public bool isSectionEnd
```

Field Value

TYPE	DESCRIPTION
System.Boolean	

text

This is the text that will be displayed on the item's label.

Declaration

```
public string text
```

Field Value

TYPE	DESCRIPTION
System.String	

Extension Methods

[RichText.UpperCaseText\(Object\)](#)
[RichText.LowerCaseText\(Object\)](#)
[RichText.BoldText\(Object\)](#)
[RichText.ItalicText\(Object\)](#)
[RichText.Text\(Object\)](#)
[RichText.UnderLineText\(Object\)](#)
[RichText.StrikeText\(Object\)](#)
[RichText.SupText\(Object\)](#)
[RichText.SubText\(Object\)](#)
[RichText.PositionText\(Object, Single\)](#)
[RichText.SizeType\(Object, Int32\)](#)
[RichText.ColoredText\(Object, String\)](#)
[RichText.ColoredText\(Object, Color\)](#)
[RichText.BooleanText\(Object, Boolean\)](#)
[RichText.BooleanText\(Object, Boolean, Color\)](#)

Class ContextMenuItemParentData

This class is the ContextMenuItemParentData. It will be used to create a ContextMenuItemParentElement. And is a child class of ContextMenuItemData.

Inheritance

System.Object

[ContextMenuItemData](#)

ContextMenuItemParentData

Namespace: DownUnderStudios.UtilitySystem.Data

Assembly: Assembly-CSharp.dll

Syntax

```
[Serializable]
public class ContextMenuItemParentData : ContextMenuItemData
```

Constructors

[ContextMenuItemParentData\(String, ContextMenuItemData, Boolean\)](#)

This is a Constructor and will create the Context Menu Item Data. (Menu)

Declaration

```
public ContextMenuItemParentData(string textView, ContextMenuItemData item, bool isSectionEnd = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	textView	This will be added to the text variable.
ContextMenuItemData	item	This item will be added to the items variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.

[ContextMenuItemParentData\(String, Boolean, ContextMenuItemData\[\]\)](#)

This is a Constructor and will create the Context Menu Item Data. (Menu)

Declaration

```
public ContextMenuItemParentData(string textView, bool isSectionEnd = false, params ContextMenuItemData[] items)
```

Parameters

Type	Name	Description
System.String	textValue	This will be added to the text variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.
ContextMenuItemData[]	items	These params items will be added to the items variable.

ContextMenuItemParentData(String, List<ContextMenuItemData>, Boolean)

This is a Constructor and will create the Context Menu Item Data. (Menu)

Declaration

```
public ContextMenuItemParentData(string textValue, List<ContextMenuItemData> items, bool isSectionEnd = false)
```

Parameters

Type	Name	Description
System.String	textValue	This will be added to the text variable.
System.Collections.Generic.List<ContextMenuItemData>	items	These items will be added to the items variable.
System.Boolean	isSectionEnd	This will be added to the isSectionEnd variable.

Fields

items

This is the list of Context Menu Item Data that will be used to create a sub menu inside of the menu.

Declaration

```
public List<ContextMenuItemData> items
```

Field Value

Type	Description
System.Collections.Generic.List<ContextMenuItemData>	

Extension Methods

RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Class CreateElements

This static class will allow the creation of UI Toolkit elements.

Inheritance

System.Object
CreateElements

Namespace: DownUnderStudios.UtilitySystem.Data

Assembly: Assembly-CSharp.dll

Syntax

```
public static class CreateElements
```

Methods

CreateElement_Button(VisualElement, Action)

This will create a Button and add to the element that invokes this.

Declaration

```
public static Button CreateElement_Button(this VisualElement parent, Action action)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.Action	action	This is the action when the Button is clicked.

Returns

Type	Description
UnityEngine.UIElements.Button	The return is the Button that is created.

CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData[])

This will create a ContextMenuItemElement and add to the element that invokes this.

Declaration

```
public static ContextMenuItemElement CreateElement_ContextMenu(this VisualElement parent, params  
ContextMenuItemData[] data)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
ContextMenuItemData[]	data	These params are the data of the Context Menu.

Returns

Type	Description
ContextMenuElement	The return is the ContextMenuElement that is created.

CreateElement_ContextMenu(VisualElement, List<ContextMenuItemData>)

This will create a ContextMenuElement and add to the element that invokes this.

Declaration

```
public static ContextMenuElement CreateElement_ContextMenu(this VisualElement parent,  
List<ContextMenuItemData> data)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.Collections.Generic.List<ContextMenuItemData>	data	These are the data of the Context Menu.

Returns

Type	Description
ContextMenuElement	The return is the ContextMenuElement that is created.

CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)

This will create a ContextMenuItemElement and add to the element that invokes this.

Declaration

```
public static ContextMenuItemElement CreateElement_ContextMenu_Item(this VisualElement parent,  
ContextMenuItemData data)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
ContextMenuItemData	data	This is the data of the Context Menu Item.

Returns

Type	Description
ContextMenuItemElement	The return is the ContextMenuItemElement that is created.

CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)

This will create a ContextMenuItemButtonElement and add to the element that invokes this.

Declaration

```
public static ContextMenuItemButtonElement CreateElement_ContextMenu_Item_Button(this VisualElement parent,  
ContextMenuItemButtonData data)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
ContextMenuItemButtonData	data	This is the data of the Context Menu button.

Returns

Type	Description
ContextMenuItemButtonElement	The return is the ContextMenuItemButtonElement that is created.

CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)

This will create a ContextMenuItemParentElement and add to the element that invokes this.

Declaration

```
public static ContextMenuItemParentElement CreateElement_ContextMenu_Item_Parent(this VisualElement parent,  
ContextMenuItemParentData data)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
ContextMenuItemParentData	data	This is the data of the Context Menu Parent.

Returns

Type	Description
ContextMenuItemParentElement	The return is the ContextMenuItemParentElement that is created.

CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)

This will create a ContextMenuItemElement and add to the element that invokes this.

Declaration

```
public static ContextMenuItemElement CreateElement_ContextMenuItem(this VisualElement parent,  
ContextMenuItemData data)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
ContextMenuItemData	data	This is the data of the Context Menu.

Returns

Type	Description
ContextMenuItemElement	The return is the ContextMenuItemElement that is created.

CreateElement_DialogBox(VisualElement, String, String, Boolean)

This will create a DialogBoxElement and add to the element that invokes this.

Declaration

```
public static DialogBoxElement CreateElement_DialogBox(this VisualElement parent, string UID, string  
titleText, bool isDisplay = false)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	UID	This is the Unique ID of the DialogBox.
System.String	titleText	This is the title of the DialogBox.
System.Boolean	isDisplay	

Returns

TYPE	DESCRIPTION
DialogBoxElement	The return is the DialogBoxElement that is created.

CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)

This will create a DialogBoxElement and add to the element that invokes this.

Declaration

```
public static DialogBoxElement CreateElement_DialogBox(this VisualElement parent, string UID, string  
titleText, VisualElement content, bool isDisplay = false)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	UID	This is the Unique ID of the DialogBox.

TYPE	NAME	DESCRIPTION
System.String	titleText	This is the title of the DialogBox.
UnityEngine.UIElements.VisualElement	content	
System.Boolean	isDisplay	

Returns

TYPE	DESCRIPTION
DialogBoxElement	The return is the DialogBoxElement that is created.

CreateElement_Dropdown(VisualElement, String, List<String>, Int32)

This will create a DropdownField and add to the element that invokes this.

Declaration

```
public static DropdownField CreateElement_Dropdown(this VisualElement parent, string label = null,
List<string> choices = null, int defaultIndex = 0)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	label	This is the label of the DropdownField.
System.Collections.Generic.List<System.String>	choices	This is the choices of the DropdownField.
System.Int32	defaultIndex	This is the defaultIndex of the DropdownField.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.DropoutField	The return is the DropoutField that is created.

CreateElement_Foldout(VisualElement, String, Boolean)

This will create a Foldout and add to the element that invokes this.

Declaration

```
public static Foldout CreateElement_Foldout(this VisualElement parent, string label = null, bool isOpen = false)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	label	This is the label of the Foldout.
System.Boolean	isOpen	This is the boolean that opens the Foldout.

Returns

Type	Description
UnityEngine.UIElements.Foldout	The return is the Foldout that is created.

CreateElement_Label(VisualElement, String, Boolean)

This will create a Label and add to the element that invokes this.

Declaration

```
public static Label CreateElement_Label(this VisualElement parent, string text, bool enableRichText = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	text	This is the text of the Label.
System.Boolean	enableRichText	This is the boolean that will enable Rich Text for the Label.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.Label	The return is the Label that is created.

CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)

This will create a ListView and add to the element that invokes this.

Declaration

```
public static ListView CreateElement_ListView< TValue >(this VisualElement parent, List< TValue > items, float itemHeight = -1F, SelectionType type = SelectionType.Single)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.Collections.Generic.List< TValue >	items	This is the items of the ListView.
System.Single	itemHeight	This is the height of the item in the list in pixel of the ListView.
UnityEngine.UIElements.SelectionType	type	This is the type of selection for the ListView.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.ListView	The return is the ListView that is created.

Type Parameters

NAME	DESCRIPTION
TValue	

CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)

This will create a ProgressBar and add to the element that invokes this.

Declaration

```
public static ProgressBar CreateElement_Progress_Bar(this VisualElement parent, string title, float lowValue, float highValue, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	title	This is the title of the ProgressBar.
System.Single	lowValue	This is the lowValue of the ProgressBar.
System.Single	highValue	This is the highValue of the ProgressBar.
System.Single	value	This is the value of the ProgressBar.

Returns

Type	Description
UnityEngine.UIElements.ProgressBar	The return is the ProgressBar that is created.

CreateElement_Radio(VisualElement, Boolean, String, Boolean)

This will create a RadioButton and add to the element that invokes this.

Declaration

```
public static RadioButton CreateElement_Radio(this VisualElement parent, bool value, string label = null, bool isSelected = false)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.Boolean	value	
System.String	label	This is the label of the RadioButton.

TYPE	NAME	DESCRIPTION
System.Boolean	isSelected	If true the radio button will be selected.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.RadioButton	The return is the RadioButton that is created.

CreateElement_Radio_Group(VisualElement, String, String[])

This will create a RadioButtonGroup and add to the element that invokes this.

Declaration

```
public static RadioButtonGroup CreateElement_Radio_Group(this VisualElement parent, string label = null,
params string[] choices)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	label	This is the label of the RadioButtonGroup.
System.String[]	choices	This is the choices of the RadioButtonGroup.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.RadioButtonGroup	The return is the RadioButtonGroup that is created.

CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])

This will create a ScrollView and add to the element that invokes this.

Declaration

```
public static ScrollView CreateElement_ScrollView(this VisualElement parent, ScrollViewMode scrollViewMode,
params VisualElement[] children)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
UnityEngine.UIElements.ScrollViewMode	scrollViewMode	This is the scroll view of the ScrollView.
UnityEngine.UIElements.VisualElement[]	children	This is params the children of the ScrollView.

Returns

Type	Description
UnityEngine.UIElementsScrollView	The return is the ScrollView that is created.

CreateElement_Slider(VisualElement, Single, Single, String)

This will create a Slider and add to the element that invokes this.

Declaration

```
public static Slider CreateElement_Slider(this VisualElement parent, float minAmount, float MaxAmount, string label = null)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.Single	minAmount	This is the minAmount of the Slider.
System.Single	MaxAmount	This is the MaxAmount of the Slider.
System.String	label	This is the label of the Slider.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.Slider	The return is the Slider that is created.

CreateElement_Slider_Int(VisualElement, Int32, Int32, String)

This will create a SliderInt and add to the element that invokes this.

Declaration

```
public static SliderInt CreateElement_Slider_Int(this VisualElement parent, int minAmount, int MaxAmount,
string label = null)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.Int32	minAmount	This is the minAmount of the SliderInt.
System.Int32	MaxAmount	This is the MaxAmount of the SliderInt.
System.String	label	This is the label of the SliderInt.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.SliderInt	The return is the SliderInt that is created.

CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)

This will create a MinMaxSlider and add to the element that invokes this.

Declaration

```
public static MinMaxSlider CreateElement_Slider_Min_Max(this VisualElement parent, string label = null, float
minValue = 0F, float maxValue = 10F, float minLimit = -3.40282347E+38F, float maxLimit = 3.40282347E+38F)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	label	This is the label of the MinMaxSlider.
System.Single	minValue	This is the minValue of the MinMaxSlider.
System.Single	maxValue	This is the maxValue of the MinMaxSlider.
System.Single	minLimit	This is the minLimit of the MinMaxSlider.
System.Single	maxLimit	This is the maxLimit of the MinMaxSlider.

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.MinMaxSlider	The return is the MinMaxSlider that is created.

CreateElement_Sprite(VisualElement, Sprite)

This will create a SpriteElement and add to the element that invokes this.

Declaration

```
public static SpriteElement CreateElement_Sprite(this VisualElement parent, Sprite sprite)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
UnityEngine.Sprite	sprite	This is the sprite of the element.

Returns

Type	Description
SpriteElement	The return is the SpriteElement that is created.

CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)

This will create a TextField and add to the element that invokes this.

Declaration

```
public static TextField CreateElement_TextField(this VisualElement parent, string label = null, int maxLength = 0, bool multiline = false, bool isPasswordField = false, char maskChar = '*')
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	label	This is the label of the TextField.
System.Int32	maxLength	This is the maxLength of the TextField.
System.Boolean	multiline	This will determine of the TextField.
System.Boolean	isPasswordField	This is the boolean for passwords.
System.Char	maskChar	This is the character that will be used for the password.

Returns

Type	Description
UnityEngine.UIElements.TextField	The return is the TextField that is created.

CreateElement_Toggle(VisualElement, String)

This will create a Toggle and add to the element that invokes this.

Declaration

```
public static Toggle CreateElement_Toggle(this VisualElement parent, string label)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
System.String	label	This is the label of the Toggle.

Returns

Type	Description
UnityEngine.UIElements.Toggle	The return is the Toggle that is created.

CreateElement_Tooltip(VisualElement, Font, Int32)

This will create a ToolTipElement and add to the element that invokes this.

Declaration

```
public static ToolTipElement CreateElement_Tooltip(this VisualElement parent, Font font = null, int textSize = 0)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.
UnityEngine.Font	font	This is the font of the tooltip.
System.Int32	textSize	This is the size of the tooltip.

Returns

Type	Description
ToolTipElement	The return is the ToolTipElement that is created.

CreateElement_VisualElement(VisualElement)

This will create a VisualElement and add to the element that invokes this.

Declaration

```
public static VisualElement CreateElement_VisualElement(this VisualElement parent)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	This param is the element that invokes the method.

Returns

Type	Description
UnityEngine.UIElements.VisualElement	The return is the VisualElement that is created.

Enum UIAnchorEnum

This is used to determine how an Inventory will be sorted. To use this enum in UI Builder

Namespace: DownUnderStudios.UtilitySystem.Data

Assembly: Assembly-CSharp.dll

Syntax

```
public enum UIAnchorEnum
```

Remarks

UtilitySystem.Data.SortByEnum, Assembly-CSharp

Fields

NAME	DESCRIPTION
Bottom_Center	
Bottom_Left	
Bottom_Right	
Center_Center	
Center_Left	
Center_Right	
None	
Top_Center	
Top_Left	
Top_Right	

Extension Methods

[RichText.UpperCaseText\(\)](#)
[RichText.LowerCaseText\(\)](#)
[RichText.BoldText\(\)](#)
[RichText.ItalicText\(\)](#)
[RichText.Text\(\)](#)
[RichText.UnderLineText\(\)](#)
[RichText.StrikeText\(\)](#)
[RichText.SupText\(\)](#)
[RichText.SubText\(\)](#)
[RichText.PositionText\(Single\)](#)

RichText.SizeType(Int32)
RichText.ColoredText(String)
RichText.ColoredText(Color)
RichText.BooleanText(Boolean)
RichText.BooleanText(Boolean, Color)

Namespace UtilitySystem.Extension

Classes

[FloatExtension](#)

This Static Class extends the float Variable.

[IntExtension](#)

This Static Class extends the integer Variable.

[TransformExtension](#)

This Static Class extends the Transform type.

[VectorExtension](#)

This Static Class extends the Vector2,3,4 types.

[VisualElementExtension](#)

This static class is used to create short-hand extensions that will cut down on style boilerplate for the VisualElement(s)

[VisualElementStyleExtension](#)

This static class is the extensions of the VisualElement. That deals with the boilder plate and simplify the styles.

Class FloatExtension

This Static Class extends the float Variable.

Inheritance

System.Object
FloatExtension

Namespace: DownUnderStudios.UtilitySystem.Extension

Assembly: Assembly-CSharp.dll

Syntax

```
public static class FloatExtension
```

Methods

FlipValue(Single)

This will change an negative number to positive and positive to negative.

Declaration

```
public static float FlipValue(this float value)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Single	value	the float that will be flipped.

Returns

TYPE	DESCRIPTION
System.Single	return the flipped float.

HighestValue(Single, Single)

This will take the highest of 2 integers.

Declaration

```
public static float HighestValue(this float value, float compare)
```

Parameters

Type	Name	Description
System.Single	value	The integer that will check.
System.Single	compare	The integer that will be compare.

Returns

Type	Description
System.Single	Return the highest integer.

LowestValue(Single, Single)

This will take the lowest of 2 integers.

Declaration

```
public static float LowestValue(this float value, float compare)
```

Parameters

Type	Name	Description
System.Single	value	The integer that will check.
System.Single	compare	The integer that will be compare.

Returns

Type	Description
System.Single	Return the lowest integer.

RoundDown(Single)

This will round down the float to an interger.

Declaration

```
public static int RoundDown(this float value)
```

Parameters

Type	Name	Description
System.Single	value	the float that will be round down.

Returns

Type	Description
System.Int32	Return an integer of the float round down.

RoundUp(Single)

This will round up the float to an interger.

Declaration

```
public static int RoundUp(this float value)
```

Parameters

Type	Name	Description
System.Single	value	the float that will be round up.

Returns

Type	Description
System.Int32	Return an integer of the float round up.

Class IntExtension

This Static Class extends the integer Variable.

Inheritance

System.Object

IntExtension

Namespace: DownUnderStudios.UtilitySystem.Extension

Assembly: Assembly-CSharp.dll

Syntax

```
public static class IntExtension
```

Methods

FlipValue(Int32)

This will change an negative number to positive and positive to negative.

Declaration

```
public static int FlipValue(this int value)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Int32	value	the integer that will be flipped.

Returns

TYPE	DESCRIPTION
System.Int32	return the flipped integer.

HighestValue(Int32, Int32)

This will take the highest of 2 integers.

Declaration

```
public static int HighestValue(this int value, int compare)
```

Parameters

Type	Name	Description
System.Int32	value	The integer that will check.
System.Int32	compare	The integer that will be compare.

Returns

Type	Description
System.Int32	Return the highest integer.

LowestValue(Int32, Int32)

This will take the lowest of 2 integers.

Declaration

```
public static int LowestValue(this int value, int compare)
```

Parameters

Type	Name	Description
System.Int32	value	The integer that will check.
System.Int32	compare	The integer that will be compare.

Returns

Type	Description
System.Int32	Return the lowest integer.

Class TransformExtension

This Static Class extends the Transform type.

Inheritance

System.Object
TransformExtension

Namespace: DownUnderStudios.UtilitySystem.Extension

Assembly: Assembly-CSharp.dll

Syntax

```
public static class TransformExtension
```

Methods

GetChildren(Transform, Boolean)

This will get a list of the children from a gameobject.

Declaration

```
public static List<GameObject> GetChildren(this Transform transform, bool includeInactive = false)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.Transform	transform	This is the transform that will get it's children.
System.Boolean	includeInactive	If the param is true it will also includelinactive gameobject. else ignore.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.List<UnityEngine.GameObject>	return a list of GameObjects.

ResetTransformation(Transform)

This will reset the transform.

Declaration

```
public static void ResetTransformation(this Transform transform)
```

Parameters

Type	Name	Description
UnityEngine.Transform	transform	This is the transform that will get reset.

Class VectorExtension

This Static Class extends the Vector2,3,4 types.

Inheritance

System.Object

VectorExtension

Namespace: DownUnderStudios.UtilitySystem.Extension

Assembly: Assembly-CSharp.dll

Syntax

```
public static class VectorExtension
```

Methods

ClampVector2(Vector2, Vector2, Vector2)

This will clamp a Vector2 between 2 other Vector2s

Declaration

```
public static Vector2 ClampVector2(this Vector2 value, Vector2 min, Vector2 max)
```

Parameters

Type	Name	Description
UnityEngine.Vector2	value	This is the Vector2 that will be clamped.
UnityEngine.Vector2	min	This is the Vector2 that is the min value.
UnityEngine.Vector2	max	This is the Vector2 that is the max value.

Returns

Type	Description
UnityEngine.Vector2	The return is the Vector2 clamped.

ClampVector3(Vector3, Vector3, Vector3)

This will clamp a Vector3 between 2 other Vector3s

Declaration

```
public static Vector3 ClampVector3(this Vector3 value, Vector3 min, Vector3 max)
```

Parameters

Type	Name	Description
UnityEngine.Vector3	value	This is the Vector3 that will be clamped.
UnityEngine.Vector3	min	This is the Vector3 that is the min value.
UnityEngine.Vector3	max	This is the Vector3 that is the max value.

Returns

Type	Description
UnityEngine.Vector3	The return is the Vector3 clamped.

ClampVector4(Vector4, Vector4, Vector4)

This will clamp a Vector4 between 2 other Vector4s

Declaration

```
public static Vector4 ClampVector4(this Vector4 value, Vector4 min, Vector4 max)
```

Parameters

Type	Name	Description
UnityEngine.Vector4	value	This is the Vector4 that will be clamped.
UnityEngine.Vector4	min	This is the Vector4 that is the min value.
UnityEngine.Vector4	max	This is the Vector4 that is the max value.

Returns

Type	Description

TYPE	DESCRIPTION
UnityEngine.Vector4	The return is the Vector4 clamped.

HighestVector2(Vector2, Vector2)

This will get the highest Vector2 between 2 Vector2s

Declaration

```
public static Vector2 HighestVector2(this Vector2 value, Vector2 compare)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.Vector2	value	This is the Vector2 that will be clamped.
UnityEngine.Vector2	compare	This is the Vector2 that will be compared to.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is the Vector2 that is the highest.

HighestVector3(Vector3, Vector3)

This will get the highest Vector3 between 2 Vector3s

Declaration

```
public static Vector2 HighestVector3(this Vector3 value, Vector3 compare)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.Vector3	value	This is the Vector3 that will be clamped.
UnityEngine.Vector3	compare	This is the Vector3 that will be compared to.

Returns

Type	Description
UnityEngine.Vector2	The return is the Vector3 that is the highest.

HighestVector4(Vector4, Vector4)

This will get the highest Vector4 between 2 Vector4s

Declaration

```
public static Vector4 HighestVector4(this Vector4 value, Vector4 compare)
```

Parameters

Type	Name	Description
UnityEngine.Vector4	value	This is the Vector4 that will be clamped.
UnityEngine.Vector4	compare	This is the Vector4 that will be compared to.

Returns

Type	Description
UnityEngine.Vector4	The return is the Vector4 that is the highest.

LowestVector2(Vector2, Vector2)

This will get the lowest Vector2 between 2 Vector2s

Declaration

```
public static Vector2 LowestVector2(this Vector2 value, Vector2 compare)
```

Parameters

Type	Name	Description
UnityEngine.Vector2	value	This is the Vector2 that will be clamped.

TYPE	NAME	DESCRIPTION
UnityEngine.Vector2	compare	This is the Vector2 that will be compared to.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is the Vector2 that is the lowest.

LowestVector3(Vector3, Vector3)

This will get the lowest Vector3 between 2 Vector3s

Declaration

```
public static Vector2 LowestVector3(this Vector3 value, Vector3 compare)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.Vector3	value	This is the Vector3 that will be clamped.
UnityEngine.Vector3	compare	This is the Vector3 that will be compared to.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is the Vector3 that is the lowest.

LowestVector4(Vector4, Vector4)

This will get the lowest Vector4 between 2 Vector4s

Declaration

```
public static Vector2 LowestVector4(this Vector4 value, Vector4 compare)
```

Parameters

Type	Name	Description
UnityEngine.Vector4	value	This is the Vector4 that will be clamped.
UnityEngine.Vector4	compare	This is the Vector4 that will be compared to.

Returns

Type	Description
UnityEngine.Vector2	The return is the Vector4 that is the lowest.

Class VisualElementExtension

This static class is used to create short-hand extensions that will cut down on style boilerplate for the VisualElement(s)

Inheritance

System.Object

VisualElementExtension

Namespace: DownUnderStudios.UtilitySystem.Extension

Assembly: Assembly-CSharp.dll

Syntax

```
public static class VisualElementExtension
```

Methods

Child(VisualElement, VisualElement, Boolean)

This will add, remove an element in this parent or clear the children from the parent.

Declaration

```
public static void Child(this VisualElement parent, VisualElement content = null, bool isAdd = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	parent	The parent that will add, remove a child element or clear all children.
UnityEngine.UIElements.VisualElement	content	This is an optional param if not null will allow for adding or remove of the content element. if null them clear all of the children from the element.
System.Boolean	isAdd	this is an optional param the will determine of the stylesheet will be added or remove from the element.

Focus(VisualElement, Boolean)

This will change the focusable from value.

Declaration

```
public static void Focus(this VisualElement element, bool value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's pickmode changed.
System.Boolean	value	The boolean that will change value.

Focus_OFF(VisualElement)

This will not allow this element to be interactable

Declaration

```
public static void Focus_OFF(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's focusable set to false.

Focus_ON(VisualElement)

This will allow this element to be interactable.

Declaration

```
public static void Focus_ON(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's focusable set to true.

Focus_Toggle(VisualElement)

This will toggle the focusable from true to false and vice versa.

Declaration

```
public static void Focus_Toggle(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have its focusable changed.

GetElementSize(VisualElement)

This will get the size of the element from the largest of the size.

Declaration

```
public static Vector2 GetElementSize(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will check its size.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return will be of the largest width and height of the element.

Remarks

this is used by ScreenBound method to keep the element within the screen.

GetLayout(VisualElement)

This will set the element layout.

Declaration

```
public static Rect GetLayout(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Rect	

GetLayoutHeight(VisualElement)

This will set the size of the element layout.

Declaration

```
public static float GetLayoutHeight(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
System.Single	

GetLayoutPosition(VisualElement)

This will set the position of the element layout.

Declaration

```
public static Vector2 GetLayoutPosition(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Vector2	

GetLayoutPositionX(VisualElement)

This will set the position of the element layout.

Declaration

```
public static float GetLayoutPositionX(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
System.Single	

GetLayoutPositionY(VisualElement)

This will set the position of the element layout.

Declaration

```
public static float GetLayoutPositionY(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
System.Single	

GetLayoutSize(VisualElement)

This will set the size of the element layout.

Declaration

```
public static Vector2 GetLayoutSize(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	

GetLayoutWidth(VisualElement)

This will set the size of the element layout.

Declaration

```
public static float GetLayoutWidth(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

TYPE	DESCRIPTION
System.Single	

GetLocalBound(VisualElement)

This will get the element LocalBound.

Declaration

```
public static Rect GetLocalBound(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Rect	

GetLocalBoundPosition(VisualElement)

This will set the position of the element LocalBound.

Declaration

```
public static Vector2 GetLocalBoundPosition(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Vector2	

GetLocalBoundSize(VisualElement)

This will get the width and high of the element LocalBound.

Declaration

```
public static Vector2 GetLocalBoundSize(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Vector2	

GetTransform_Position(VisualElement)

This will get the transform scale.

Declaration

```
public static Vector2 GetTransform_Position(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will get it's transform position.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is the transform position.

GetTransform_Rotate(VisualElement)

Declaration

```
public static Quaternion GetTransform_Rotate(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	

Returns

TYPE	DESCRIPTION
UnityEngine.Quaternion	

GetTransform_Scale(VisualElement)

This will get the transform scale.

Declaration

```
public static Vector2 GetTransform_Scale(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will get it's transform scale.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is the transform scale.

GetVisible(VisualElement)

This will get this element's visible.

Declaration

```
public static bool GetVisible(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's visible changed.

Returns

TYPE	DESCRIPTION
System.Boolean	

GetWorldBound(VisualElement)

This will get the element WorldBound.

Declaration

```
public static Rect GetWorldBound(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Rect	

GetWorldBoundPosition(VisualElement)

This will set the position of the element WorldBound.

Declaration

```
public static Vector2 GetWorldBoundPosition(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Vector2	

GetWorldBoundSize(VisualElement)

This will get the width and high of the element WorldBound.

Declaration

```
public static Vector2 GetWorldBoundSize(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will set the width and height of the element.

Returns

Type	Description
UnityEngine.Vector2	

MouseGrab(VisualElement, Vector2)

This will prepare the element for it being grabbed.

Declaration

```
public static Vector2 MouseGrab(this VisualElement element, Vector2 position)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will be grabbed by mouse.
UnityEngine.Vector2	position	This is the position of the element.

Returns

Type	Description
UnityEngine.Vector2	The return is the offset of the mouse and element position.

MouseRelease(VisualElement)

This will release the element.

Declaration

```
public static Vector2 MouseRelease(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will be used to get the screen bounds.

Returns

Type	Description
UnityEngine.Vector2	The return is the new position of the element.

Name(VisualElement, String)

This will set the elements' name.

Declaration

```
public static void Name(this VisualElement element, string name)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will have a name applied to it.
System.String	name	This is the name that will be applied to the element.

Remarks

the name will be structured as "Type_name" with *name* replacing spacing with '-'.

Pick(VisualElement, PickingMode)

This will change the pickmode from value.

Declaration

```
public static void Pick(this VisualElement element, PickingMode value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its pickmode changed.
UnityEngine.UIElements.PickingMode	value	The PickingMode that will change value.

Pick_OFF(VisualElement)

This will not allow this element to be interactable

Declaration

```
public static void Pick_OFF(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's pickmode set to ignore.

Pick_ON(VisualElement)

This will allow this element to be interactable.

Declaration

```
public static void Pick_ON(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's pickmode set to position.

Pick_Toggle(VisualElement)

This will change the pickmode from position to ignore and vice versa.

Declaration

```
public static void Pick_Toggle(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have its pickmode changed.

ResetRotation(VisualElement)

This will reset the rotation of the UI element.

Declaration

```
public static void ResetRotation(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's rotation reset.

Rich_Text(TextElement, Boolean)

This will set the TextElement's enableRichText.

Declaration

```
public static void Rich_Text(this TextElement element, bool value = true)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.TextElement	element	This is the element that will be changed.
System.Boolean	value	This value will be applied to the element.

Rotate_Clockwise(VisualElement, Vector3)

This will set the rotation of the UI element on z-axis Counter-Clockwise.

Declaration

```
public static void Rotate_Clockwise(this VisualElement element, Vector3 value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation set.
UnityEngine.Vector3	value	

Rotate_Clockwise_X(VisualElement, Single)

This will increase the rotation of the UI element on z-axis Clockwise.

Declaration

```
public static void Rotate_Clockwise_X(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation changed.
System.Single	value	

Rotate_Clockwise_Z(VisualElement, Single)

This will increase the rotation of the UI element on z-axis Clockwise.

Declaration

```
public static void Rotate_Clockwise_Z(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation changed.
System.Single	value	

Rotate_Counter_Clockwise(VisualElement, Vector3)

This will set the rotation of the UI element on z-axis Counter-Clockwise.

Declaration

```
public static void Rotate_Counter_Clockwise(this VisualElement element, Vector3 value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation set.
UnityEngine.Vector3	value	

Rotate_Counter_Clockwise_X(VisualElement, Single)

This will increase the rotation of the UI element on z-axis Counter-Clockwise.

Declaration

```
public static void Rotate_Counter_Clockwise_X(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation changed.
System.Single	value	

Rotate_Counter_Clockwise_Y(VisualElement, Single)

This will increase the rotation of the UI element on z-axis Counter-Clockwise.

Declaration

```
public static void Rotate_Counter_Clockwise_Y(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation changed.
System.Single	value	

Rotate_Counter_Clockwise_Z(VisualElement, Single)

This will increase the rotation of the UI element on z-axis Counter-Clockwise.

Declaration

```
public static void Rotate_Counter_Clockwise_Z(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation changed.
System.Single	value	

RotateY_Clockwise_Y(VisualElement, Single)

This will increase the rotation of the UI element on z-axis Clockwise.

Declaration

```
public static void RotateY_Clockwise_Y(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have its rotation changed.
System.Single	value	

ScreenBound(VisualElement)

This will return the screen bound for the element, Should be used to clamp the element to the screen so it doesn't go off screen.

Declaration

```
public static Vector2 ScreenBound(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be used to determine the screen size - the element.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return of the screen bound.

SetTransform_Position(VisualElement, Vector2)

This will set the transform position.

Declaration

```
public static void SetTransform_Position(this VisualElement element, Vector2 value)
```

Parameters

TYPE	NAME	DESCRIPTION

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's transform position changed.
UnityEngine.Vector2	value	this is the value that will be apply to the transform position.

SetTransform_Rotate(VisualElement, Vector3)

This will set the rotation of the UI element on z-axis Counter-Clockwise.

Declaration

```
public static void SetTransform_Rotate(this VisualElement element, Vector3 value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's rotation set.
UnityEngine.Vector3	value	

SetTransform_Scale(VisualElement, Vector3)

This will set the transform scale.

Declaration

```
public static void SetTransform_Scale(this VisualElement element, Vector3 value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's transform scale changed.
UnityEngine.Vector3	value	this is the value that will be apply to the transform scale.

SetVisible(VisualElement, Boolean)

This will set the visible from value.

Declaration

```
public static void SetVisible(this VisualElement element, bool value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its visible changed.
System.Boolean	value	The boolean that will change value.

StyleSheet(VisualElement, StyleSheet, Boolean)

This will add, remove a stylesheet in this parent or clear the stylesheets in the element.

Declaration

```
public static void StyleSheet(this VisualElement element, StyleSheet style = null, bool isAdd = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have a style sheet added, removed or cleared.
UnityEngine.UIElements.StyleSheet	style	This is an optional param if not null will allow for adding or removing of this stylesheet. If null then clear all of the stylesheets from the element.
System.Boolean	isAdd	This is an optional param that will determine if the stylesheet will be added or removed from the element. This is an optional param that will determine if the stylesheet will be added or removed from the element.

ToolTip(VisualElement, String)

This is the tooltip of the element.

Declaration

```
public static void ToolTip(this VisualElement element, string value)
```

Parameters

Type	Name	Description

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its tooltip changed.
System.String	value	This is the string that will be displayed on the tooltip.

UpdatePosition(VisualElement, Vector2)

This will move the element to the mouse position - the offset.

Declaration

```
public static void UpdatePosition(this VisualElement element, Vector2 offset)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will be used to get the screen bounds.
UnityEngine.Vector2	offset	The offset is the distance of the initial mouse grab. to the element position.

UsageHints(VisualElement, UsageHints)

This is the usageHints of the element.

Declaration

```
public static void UsageHints(this VisualElement element, UsageHints value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have its usageHints changed.
UnityEngine.UIElements.UsageHints	value	This is the UsageHints for the element.

ViewDataKey(VisualElement, String)

This is the ViewDataKey of the element.

Declaration

```
public static void ViewDataKey(this VisualElement element, string value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have it's viewDataKey changed.
System.String	value	This is the data for the viewDataKey.

Visible_Hide(VisualElement)

This will hide this element but keep it's effects on the UI.

Declaration

```
public static void Visible_Hide(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have it's visible set to false.

Visible_IsInvisible(VisualElement)

This will get the element's visible

Declaration

```
public static bool Visible_IsInvisible(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be checked.

Returns

Type	Description
System.Boolean	return true if display is false.

Visible_IsVisible(VisualElement)

This will get the element's visible

Declaration

```
public static bool Visible_IsVisible(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be checked.

Returns

Type	Description
System.Boolean	return true if display is true.

Visible_Show(VisualElement)

This will show this element and keep it's effects on the UI.

Declaration

```
public static void Visible_Show(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have it's visible set to true.

Visible_ToggleVisibility(VisualElement)

This will toggle the visible from true to false and vice versa.

Declaration

```
public static void Visible_ToggleVisibility(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have it's visible changed.

Class VisualElementStyleExtension

This static class is the extensions of the VisualElement. That deals with the boilder plate and simplify the styles.

Inheritance

System.Object

VisualElementStyleExtension

Namespace: DownUnderStudios.UtilitySystem.Extension

Assembly: Assembly-CSharp.dll

Syntax

```
public static class VisualElementStyleExtension
```

Methods

Align_Content(VisualElement, Align)

This will set the element's style alignContent

Declaration

```
public static void Align_Content(this VisualElement element, Align value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Align	value	This value will be applied to the element.

Align_Content(VisualElement, StyleKeyword)

This will set the element's style alignContent

Declaration

```
public static void Align_Content(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Align_Item(VisualElement, Align)

This will set the element's style alignItems

Declaration

```
public static void Align_Item(this VisualElement element, Align value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Align	value	This value will be applied to the element.

Align_Item(VisualElement, StyleKeyword)

This will set the element's style alignItems

Declaration

```
public static void Align_Item(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Align_Self(VisualElement, Align)

This will set the element's style alignSelf

Declaration

```
public static void Align_Self(this VisualElement element, Align value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Align	value	This value will be applied to the element.

Align_Self(VisualElement, StyleKeyword)

This will set the element's style alignSelf

Declaration

```
public static void Align_Self(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)

This will set the element's style Bottom & Left.

Declaration

```
public static void Anchored_Position_Bottom_Left(this VisualElement element, UIAnchorEnum value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UIAnchorEnum	value	This value will be applied to the element.

Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)

This will set the element's style Bottom & Right.

Declaration

```
public static void Anchored_Position_Bottom_Right(this VisualElement element, UIAnchorEnum value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UIAnchorEnum	value	This value will be applied to the element.

Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)

This will set the element's style Top & Left.

Declaration

```
public static void Anchored_Position_Top_Left(this VisualElement element, UIAnchorEnum value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UIAnchorEnum	value	This value will be applied to the element.

Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)

This will set the element's style Top & Right.

Declaration

```
public static void Anchored_Position_Top_Right(this VisualElement element, UIAnchorEnum value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UIAnchorEnum	value	This value will be applied to the element.

BackGround_Color(VisualElement, Color)

This will set the element's style

Declaration

```
public static void BackGround_Color(this VisualElement element, Color value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color	value	This value will be applied to the element.

Background_Image(VisualElement, Sprite)

This will set the element's style

Declaration

```
public static void Background_Image(this VisualElement element, Sprite value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Sprite	value	This value will be applied to the element.

Background_Image(VisualElement, Texture2D)

This will set the element's style

Declaration

```
public static void Background_Image(this VisualElement element, Texture2D value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Texture2D	value	This value will be applied to the element.

Background_Image(VisualElement, Background)

This will set the element's style

Declaration

```
public static void Background_Image(this VisualElement element, Background value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Background	value	This value will be applied to the element.

Background_Image(VisualElement, StyleKeyword)

This will set the element's style

Declaration

```
public static void Background_Image(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border(VisualElement, Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These value will be applied to the element.

Border(VisualElement, Color, Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, Color color, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color	color	This color that will be applied to the element's border.
System.Single[]	args	These value will be applied to the element.

Border(VisualElement, Color[], Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, Color[] color, params float[] args)
```

Parameters

Type	Name	Description

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color[]	color	This color that will be applied to the element's border.
System.Single[]	args	These values will be applied to the element.

Border(VisualElement, LengthUnit, Color, Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, LengthUnit unit, Color color, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
UnityEngine.Color	color	This color that will be applied to the element's border.
System.Single[]	args	These values will be applied to the element.

Border(VisualElement, LengthUnit, Color[], Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, LengthUnit unit, Color[] color, params float[] args)
```

Parameters

Type	Name	Description

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
UnityEngine.Color[]	color	This color that will be applied to the element's border.
System.Single[]	args	These values will be applied to the element.

Border(VisualElement, LengthUnit[], Color, Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, LengthUnit[] unit, Color color, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.
UnityEngine.Color	color	This color that will be applied to the element's border.
System.Single[]	args	These values will be applied to the element.

Border(VisualElement, LengthUnit[], Color[], Single[])

This will set the element's style Border Width, Color & Radius.

Declaration

```
public static void Border(this VisualElement element, LengthUnit[] unit, Color[] color, params float[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.
UnityEngine.Color[]	color	This color that will be applied to the element's border.
System.Single[]	args	These value will be applied to the element.

Border(VisualElement, StyleKeyword[])

This will set the element's style Border Width & Radius.

Declaration

```
public static void Border(this VisualElement element, params StyleKeyword[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword[]	args	These value will be applied to the element.

Border_Color(VisualElement, Color[])

This will set the element's style borderTopColor, borderRightColor, borderBottomColor & borderLeftColor.

Declaration

```
public static void Border_Color(this VisualElement element, params Color[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.Color[]	args	These value will be applied to the element.

Border_Color(VisualElement, StyleKeyword[])

This will set the element's style borderTopColor, borderRightColor, borderBottomColor & borderLeftColor.

Declaration

```
public static void Border_Color(this VisualElement element, params StyleKeyword[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword[]	args	These value will be applied to the element.

Border_Color_Bottom(VisualElement, Color)

This will set the element's style borderBottomColor.

Declaration

```
public static void Border_Color_Bottom(this VisualElement element, Color value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color	value	This value will be applied to the element.

Border_Color_Bottom(VisualElement, StyleKeyword)

This will set the element's style borderBottomColor.

Declaration

```
public static void Border_Color_Bottom(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Color_Left(VisualElement, Color)

This will set the element's style borderLeftColor.

Declaration

```
public static void Border_Color_Left(this VisualElement element, Color value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color	value	This value will be applied to the element.

Border_Color_Left(VisualElement, StyleKeyword)

This will set the element's style borderLeftColor.

Declaration

```
public static void Border_Color_Left(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Color_Right(VisualElement, Color)

This will set the element's style borderRightColor.

Declaration

```
public static void Border_Color_Right(this VisualElement element, Color value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color	value	This value will be applied to the element.

Border_Color_Right(VisualElement, StyleKeyword)

This will set the element's style borderRightColor.

Declaration

```
public static void Border_Color_Right(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Color_Top(VisualElement, Color)

This will set the element's style borderTopColor.

Declaration

```
public static void Border_Color_Top(this VisualElement element, Color value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Type	Name	Description
UnityEngine.Color	value	This value will be applied to the element.

Border_Color_Top(VisualElement, StyleKeyword)

This will set the element's style borderTopColor.

Declaration

```
public static void Border_Color_Top(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Radius(VisualElement, Single[])

This will set the element's style borderTopLeftRadius, borderTopRightRadius, borderBottomLeftRadius & borderBottomRightRadius.

Declaration

```
public static void Border_Radius(this VisualElement element, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These values will be applied to the element.

Border_Radius(VisualElement, LengthUnit, Single[])

This will set the element's style borderTopLeftRadius, borderTopRightRadius, borderBottomLeftRadius & borderBottomRightRadius.

Declaration

```
public static void Border_Radius(this VisualElement element, LengthUnit unit, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Border_Radius(VisualElement, LengthUnit[], Single[])

This will set the element's style borderTopLeftRadius, borderTopRightRadius, borderBottomLeftRadius & borderBottomRightRadius.

Declaration

```
public static void Border_Radius(this VisualElement element, LengthUnit[] unit, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Border_Radius(VisualElement, StyleKeyword[])

This will set the element's style borderTopLeftRadius, borderTopRightRadius, borderBottomLeftRadius & borderBottomRightRadius.

Declaration

```
public static void Border_Radius(this VisualElement element, params StyleKeyword[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword[]	args	These value will be applied to the element.

Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)

This will set the element's style borderBottomLeftRadius.

Declaration

```
public static void Border_Radius_Bottom_Left(this VisualElement element, float radius, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	radius	
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Border_Radius_Bottom_Left(VisualElement, StyleKeyword)

This will set the element's style borderBottomLeftRadius.

Declaration

```
public static void Border_Radius_Bottom_Left(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)

This will set the element's style borderBottomRadius.

Declaration

```
public static void Border_Radius_Bottom_Right(this VisualElement element, float radius, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	radius	
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Border_Radius_Bottom_Right(VisualElement, StyleKeyword)

This will set the element's style borderBottomRadius.

Declaration

```
public static void Border_Radius_Bottom_Right(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Radius_Top_Left(VisualElement, Single, LengthUnit)

This will set the element's style borderTopLeftRadius.

Declaration

```
public static void Border_Radius_Top_Left(this VisualElement element, float radius, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	radius	
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Border_Radius_Top_Left(VisualElement, StyleKeyword)

This will set the element's style borderTopLeftRadius.

Declaration

```
public static void Border_Radius_Top_Left(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Radius_Top_Right(VisualElement, Single, LengthUnit)

This will set the element's style borderTopRightRadius.

Declaration

```
public static void Border_Radius_Top_Right(this VisualElement element, float radius, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	radius	
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Border_Radius_Top_Right(VisualElement, StyleKeyword)

This will set the element's style borderTopRadius.

Declaration

```
public static void Border_Radius_Top_Right(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Width(VisualElement, Single[])

This will set the element's style borderTopWidth, borderRightWidth, borderBottomWidth & borderLeftWidth.

Declaration

```
public static void Border_Width(this VisualElement element, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These values will be applied to the element.

Border_Width(VisualElement, StyleKeyword[])

This will set the element's style borderTopWidth, borderRightWidth, borderBottomWidth & borderLeftWidth.

Declaration

```
public static void Border_Width(this VisualElement element, params StyleKeyword[] args)
```

Parameters

Type	Name	Description

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword[]	args	These value will be applied to the element.

Border_Width_Bottom(VisualElement, Single)

This will set the element's style borderBottomWidth.

Declaration

```
public static void Border_Width_Bottom(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Border_Width_Bottom(VisualElement, StyleKeyword)

This will set the element's style borderBottomWidth.

Declaration

```
public static void Border_Width_Bottom(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Width_Left(VisualElement, Single)

This will set the element's style borderLeftWidth.

Declaration

```
public static void Border_Width_Left(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Border_Width_Left(VisualElement, StyleKeyword)

This will set the element's style borderLeftWidth.

Declaration

```
public static void Border_Width_Left(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Width_Right(VisualElement, Single)

This will set the element's style borderRightWidth.

Declaration

```
public static void Border_Width_Right(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
System.Single	value	This value will be applied to the element.

Border_Width_Right(VisualElement, StyleKeyword)

This will set the element's style borderRightWidth.

Declaration

```
public static void Border_Width_Right(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Border_Width_Top(VisualElement, Single)

This will set the element's style borderTopWidth.

Declaration

```
public static void Border_Width_Top(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Border_Width_Top(VisualElement, StyleKeyword)

This will set the element's style borderTopWidth.

Declaration

```
public static void Border_Width_Top(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Color(VisualElement, Color)

This will set the element's style

Declaration

```
public static void Color(this VisualElement element, Color value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Color	value	This value will be applied to the element.

Color(VisualElement, StyleKeyword)

This will set the element's style

Declaration

```
public static void Color(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Display_Hide(VisualElement)

This will set the element's style display

Declaration

```
public static void Display_Hide(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Display_IsInvisible(VisualElement)

This will get the element's style display

Declaration

```
public static bool Display_IsInvisible(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be checked.

Returns

TYPE	DESCRIPTION
System.Boolean	return true if display is None.

Display_IsVisible(VisualElement)

This will get the element's style display

Declaration

```
public static bool Display_IsVisible(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be checked.

Returns

Type	Description
System.Boolean	return true if display is Flex.

Display_Show(VisualElement)

This will set the element's style display

Declaration

```
public static void Display_Show(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Display_ToggleVisibility(VisualElement)

This will set the element's style display

Declaration

```
public static void Display_ToggleVisibility(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Flex_Basis(VisualElement, Single)

This will set the element's style flexBasis

Declaration

```
public static void Flex_Basis(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Flex_Basis(VisualElement, StyleKeyword)

This will set the element's style flexBasis

Declaration

```
public static void Flex_Basis(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Flex_Direction(VisualElement, FlexDirection)

This will set the element's style flexDirection

Declaration

```
public static void Flex_Direction(this VisualElement element, FlexDirection value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.FlexDirection	value	This value will be applied to the element.

Flex_Direction(VisualElement, StyleKeyword)

This will set the element's style flexDirection

Declaration

```
public static void Flex_Direction(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Flex_Grow(VisualElement, Single)

This will set the element's style flexGrow

Declaration

```
public static void Flex_Grow(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Flex_Grow(VisualElement, StyleKeyword)

This will set the element's style flexGrow

Declaration

```
public static void Flex_Grow(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Flex_Shrink(VisualElement, Single)

This will set the element's style flexShrink

Declaration

```
public static void Flex_Shrink(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Flex_Shrink(VisualElement, StyleKeyword)

This will set the element's style flexShrink

Declaration

```
public static void Flex_Shrink(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Flex_Wrap(VisualElement, StyleKeyword)

This will set the element's style flexWrap

Declaration

```
public static void Flex_Wrap(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Flex_Wrap(VisualElement, Wrap)

This will set the element's style flexWrap

Declaration

```
public static void Flex_Wrap(this VisualElement element, Wrap value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Wrap	value	This value will be applied to the element.

Font(VisualElement, Font)

This will set the element's style unityFontDefinition.

Declaration

```
public static void Font(this VisualElement element, Font value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Font	value	This value will be applied to the element.

Font(VisualElement, FontAsset)

This will set the element's style unityFontDefinition.

Declaration

```
public static void Font(this VisualElement element, FontAsset value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.TextCore.Text.FontAsset	value	This value will be applied to the element.

Font_Size(VisualElement, Single)

This will set the element's style fontsize.

Declaration

```
public static void Font_Size(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

Font_Size(VisualElement, StyleKeyword)

This will set the element's style fontSize.

Declaration

```
public static void Font_Size(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

GetBorder_Height(VisualElement)

This will get the element's style borderTopWidth & borderBottomWidth.

Declaration

```
public static float GetBorder_Height(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
System.Single	The return is the height of the border.

GetBorder_Size(VisualElement)

This will get the element's style borderTopWidth, borderRightWidth, borderBottomWidth & borderLeftWidth.

Declaration

```
public static Vector2 GetBorder_Size(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is a Vector2 of the size of the border.

GetBorder_Width(VisualElement)

This will get the element's style borderLeftWidth & borderRightWidth.

Declaration

```
public static float GetBorder_Width(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

Type	Description
System.Single	The return is the width of the border.

GetDisplay(VisualElement)

This will get this element's visible.

Declaration

```
public static DisplayStyle GetDisplay(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	The element that will have it's visible changed.

Returns

Type	Description
UnityEngine.UIElements.DisplayStyle	

GetMargin_Height(VisualElement)

This will get the element's style marginTop & marginBottom.

Declaration

```
public static float GetMargin_Height(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

Type	Description
System.Single	

GetMargin_Size(VisualElement)

This will get the element's style marginTop, marginRight, marginBottom & marginLeft.

Declaration

```
public static Vector2 GetMargin_Size(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

Type	Description
UnityEngine.Vector2	

GetMargin_Width(VisualElement)

This will get the element's style marginLeft & marginRight.

Declaration

```
public static float GetMargin_Width(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
System.Single	

GetPadding_Height(VisualElement)

This will get the element's style paddingTop & paddingBottom.

Declaration

```
public static float GetPadding_Height(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
System.Single	

GetPadding_Size(VisualElement)

This will get the element's style paddingTop, paddingRight, paddingBottom & paddingLeft.

Declaration

```
public static Vector2 GetPadding_Size(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
UnityEngine.Vector2	The return is a Vector2 of the padding width & Height.

GetPadding_Width(VisualElement)

This will get the element's style paddingLeft & paddingRight.

Declaration

```
public static float GetPadding_Width(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
System.Single	

GetRadius_Bottom(VisualElement)

This will get the element's style borderBottomLeftRadius & borderBottomRightRadius.

Declaration

```
public static float GetRadius_Bottom(this VisualElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

TYPE	DESCRIPTION
System.Single	The return is the size of the border radius Bottom.

GetRadius_Size(VisualElement)

This will get the element's style borderTopLeftRadius, borderTopRightRadius, borderBottomLeftRadius & borderBottomRightRadius.

Declaration

```
public static Vector2 GetRadius_Size(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

Type	Description
UnityEngine.Vector2	The return is a Vector2 the size of the border radius.

GetRadius_Top(VisualElement)

This will get the element's style borderTopLeftRadius & borderTopRightRadius.

Declaration

```
public static float GetRadius_Top(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

Returns

Type	Description
System.Single	The return is the size of the border radius Top.

GetSize(VisualElement, Boolean, Boolean)

Declaration

```
public static Vector2 GetSize(this VisualElement element, bool margin = true, bool padding = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	
System.Boolean	margin	
System.Boolean	padding	

Returns

Type	Description
UnityEngine.Vector2	

GetSize_Max(VisualElement, Boolean, Boolean)

This will Get the element's style maxWidth, maxHeight, margin, & padding.

Declaration

```
public static Vector2 GetSize_Max(this VisualElement element, bool margin = true, bool padding = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Boolean	margin	If true then add margin size to the element.
System.Boolean	padding	If true then add padding size to the element.

Returns

Type	Description
UnityEngine.Vector2	The return is the max size of the element, with margin & padding if true.

GetSize_Min(VisualElement, Boolean, Boolean)

This will set the element's style minWidth, minHeight, margin, & padding.

Declaration

```
public static Vector2 GetSize_Min(this VisualElement element, bool margin = true, bool padding = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Boolean	margin	If true then add margin size to the element.
System.Boolean	padding	If true then add padding size to the element.

Returns

Type	Description
UnityEngine.Vector2	The return is the max size of the element, with margin & padding if true.

Margin(VisualElement, Single[])

This will set the element's style marginTop, marginRight, marginBottom & marginLeft.

Declaration

```
public static void Margin(this VisualElement element, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These value will be applied to the element.

Margin(VisualElement, LengthUnit, Single[])

This will set the element's style

Declaration

```
public static void Margin(this VisualElement element, LengthUnit unit, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Margin(VisualElement, LengthUnit[], Single[])

This will set the element's style

Declaration

```
public static void Margin(this VisualElement element, LengthUnit[] unit, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Margin(VisualElement, StyleKeyword[])

This will set the element's style

Declaration

```
public static void Margin(this VisualElement element, params StyleKeyword[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.StyleKeyword[]	args	These value will be applied to the element.

Margin_Bottom(VisualElement, Single, LengthUnit)

This will set the element's style marginBottom.

Declaration

```
public static void Margin_Bottom(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Margin_Bottom(VisualElement, StyleKeyword)

This will set the element's style marginBottom.

Declaration

```
public static void Margin_Bottom(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Margin_Left(VisualElement, Single, LengthUnit)

This will set the element's style marginLeft.

Declaration

```
public static void Margin_Left(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Margin_Left(VisualElement, StyleKeyword)

This will set the element's style marginLeft.

Declaration

```
public static void Margin_Left(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Margin_Right(VisualElement, Single, LengthUnit)

This will set the element's style marginRight.

Declaration

```
public static void Margin_Right(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Margin_Right(VisualElement, StyleKeyword)

This will set the element's style marginRight.

Declaration

```
public static void Margin_Right(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Margin_Top(VisualElement, Single, LengthUnit)

This will set the element's style marginTop.

Declaration

```
public static void Margin_Top(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Margin_Top(VisualElement, StyleKeyword)

This will set the element's style marginTop.

Declaration

```
public static void Margin_Top(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Overflow(VisualElement, Overflow)

This will set the element's style overflow.

Declaration

```
public static void Overflow(this VisualElement element, Overflow value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Overflow	value	This value will be applied to the element.

Overflow(VisualElement, StyleKeyword)

This will set the element's style overflow.

Declaration

```
public static void Overflow(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Padding(VisualElement, Single[])

This will set the element's style paddingTop, paddingRight, paddingBottom & paddingLeft.

Declaration

```
public static void Padding(this VisualElement element, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These values will be applied to the element.

Padding(VisualElement, LengthUnit, Single[])

This will set the element's style paddingTop, paddingRight, paddingBottom & paddingLeft.

Declaration

```
public static void Padding(this VisualElement element, LengthUnit unit = LengthUnit.Pixel, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Padding(VisualElement, LengthUnit[], Single[])

This will set the element's style paddingTop, paddingRight, paddingBottom & paddingLeft.

Declaration

```
public static void Padding(this VisualElement element, LengthUnit[] unit, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Padding(VisualElement, StyleKeyword[])

This will set the element's style paddingTop, paddingRight, paddingBottom & paddingLeft.

Declaration

```
public static void Padding(this VisualElement element, params StyleKeyword[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword[]	args	These values will be applied to the element.

Padding_Bottom(VisualElement, Single, LengthUnit)

This will set the element's style paddingBottom.

Declaration

```
public static void Padding_Bottom(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Padding_Bottom(VisualElement, StyleKeyword)

This will set the element's style paddingBottom.

Declaration

```
public static void Padding_Bottom(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Padding_Left(VisualElement, Single, LengthUnit)

This will set the element's style paddingLeft.

Declaration

```
public static void Padding_Left(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Padding_Left(VisualElement, StyleKeyword)

This will set the element's style paddingLeft.

Declaration

```
public static void Padding_Left(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Padding_Right(VisualElement, Single, LengthUnit)

This will set the element's style paddingRight.

Declaration

```
public static void Padding_Right(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Padding_Right(VisualElement, StyleKeyword)

This will set the element's style paddingRight.

Declaration

```
public static void Padding_Right(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Padding_Top(VisualElement, Single, LengthUnit)

This will set the element's style paddingTop.

Declaration

```
public static void Padding_Top(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Padding_Top(VisualElement, StyleKeyword)

Declaration

```
public static void Padding_Top(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Position_Bottom_Left(VisualElement, Single, Single)

This will set the element's style Bottom & Left.

Declaration

```
public static void Position_Bottom_Left(this VisualElement element, float x, float y)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	x	
System.Single	y	

Position_Bottom_Left(VisualElement, Vector2)

This will set the element's style Bottom & Left.

Declaration

```
public static void Position_Bottom_Left(this VisualElement element, Vector2 value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.

Position_Bottom_Right(VisualElement, Single, Single)

This will set the element's style Bottom & Right.

Declaration

```
public static void Position_Bottom_Right(this VisualElement element, float x, float y)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	x	This value will be applied to the element.
System.Single	y	This value will be applied to the element.

Position_Bottom_Right(VisualElement, Vector2)

This will set the element's style Bottom & Right.

Declaration

```
public static void Position_Bottom_Right(this VisualElement element, Vector2 value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.

Position_Top_Left(VisualElement, Single, Single)

This will set the element's style Top & Left.

Declaration

```
public static void Position_Top_Left(this VisualElement element, float x, float y)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	x	
System.Single	y	

Position_Top_Left(VisualElement, Vector2)

This will set the element's style Top & Left.

Declaration

```
public static void Position_Top_Left(this VisualElement element, Vector2 value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.

Position_Top_Right(VisualElement, Single, Single)

This will set the element's style Top & Right.

Declaration

```
public static void Position_Top_Right(this VisualElement element, float x, float y)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	x	
System.Single	y	

Position_Top_Right(VisualElement, Vector2)

This will set the element's style Top & Right.

Declaration

```
public static void Position_Top_Right(this VisualElement element, Vector2 value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.

SetDisplay(VisualElement, DisplayStyle)

This will set the visible from value.

Declaration

```
public static void SetDisplay(this VisualElement element, DisplayStyle value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	The element that will have its visible changed.
UnityEngine.UIElements.DisplayStyle	value	TheDisplayStyle that will change value.

Size(VisualElement, Single[])

This will set the element's style width & height.

Declaration

```
public static void Size(this VisualElement element, params float[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These values will be applied to the element.

Size(VisualElement, LengthUnit, Single[])

This will set the element's style width & height.

Declaration

```
public static void Size(this VisualElement element, LengthUnit unit = LengthUnit.Pixel, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Size(VisualElement, LengthUnit, LengthUnit, Single[])

This will set the element's style width & height.

Declaration

```
public static void Size(this VisualElement element, LengthUnit unitWidth, LengthUnit unitHeight, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unitWidth	This unit will be applied to the element.
UnityEngine.UIElements.LengthUnit	unitHeight	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Size(VisualElement, StyleKeyword)

This will set the element's style width & height.

Declaration

```
public static void Size(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size(VisualElement, Vector2, LengthUnit[])

This will set the element's style width & height.

Declaration

```
public static void Size(this VisualElement element, Vector2 value, params LengthUnit[] unit)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.

Size_Height(VisualElement, Single, LengthUnit)

This will set the element's style height.

Declaration

```
public static void Size_Height(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Size_Height(VisualElement, StyleKeyword)

This will set the element's style height.

Declaration

```
public static void Size_Height(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Height_Max(VisualElement, Single, LengthUnit)

This will set the element's style maxHeight.

Declaration

```
public static void Size_Height_Max(this VisualElement element, float value, LengthUnit unit =
LengthUnit.Pixel)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Size_Height_Max(VisualElement, StyleKeyword)

This will set the element's style maxHeight.

Declaration

```
public static void Size_Height_Max(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Height_Min(VisualElement, Single, LengthUnit)

This will set the element's style minHeight

Declaration

```
public static void Size_Height_Min(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Size_Height_Min(VisualElement, StyleKeyword)

This will set the element's style minHeight

Declaration

```
public static void Size_Height_Min(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Max(VisualElement, Single[])

This will set the element's style maxWidth & maxHeight.

Declaration

```
public static void Size_Max(this VisualElement element, params float[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These values will be applied to the element.

Size_Max(VisualElement, LengthUnit, Single[])

This will set the element's style maxWidth & maxHeight.

Declaration

```
public static void Size_Max(this VisualElement element, LengthUnit unit = LengthUnit.Pixel, params float[] args)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])

This will set the element's style maxWidth & maxHeight.

Declaration

```
public static void Size_Max(this VisualElement element, LengthUnit unitWidth, LengthUnit unitHeight, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unitWidth	This unit will be applied to the element.
UnityEngine.UIElements.LengthUnit	unitHeight	This unit will be applied to the element.
System.Single[]	args	These values will be applied to the element.

Size_Max(VisualElement, StyleKeyword)

This will set the element's style maxWidth & maxHeight.

Declaration

```
public static void Size_Max(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Max(VisualElement, Vector2, LengthUnit[])

This will set the element's style maxWidth & maxHeight.

Declaration

```
public static void Size_Max(this VisualElement element, Vector2 value, params LengthUnit[] unit)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.

Size_Min(VisualElement, Single[])

This will set the element's style minWidth & minHeight.

Declaration

```
public static void Size_Min(this VisualElement element, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single[]	args	These values will be applied to the element.

Size_Min(VisualElement, LengthUnit, Single[])

This will set the element's style minWidth & minHeight.

Declaration

```
public static void Size_Min(this VisualElement element, LengthUnit unit = LengthUnit.Pixel, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Type	Name	Description
System.Single[]	args	These value will be applied to the element.

Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])

This will set the element's style minWidth & minHeight.

Declaration

```
public static void Size_Min(this VisualElement element, LengthUnit unitWidth, LengthUnit unitHeight, params float[] args)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.LengthUnit	unitWidth	This unit will be applied to the element.
UnityEngine.UIElements.LengthUnit	unitHeight	This unit will be applied to the element.
System.Single[]	args	These value will be applied to the element.

Size_Min(VisualElement, StyleKeyword)

This will set the element's style minWidth & minHeight.

Declaration

```
public static void Size_Min(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Min(VisualElement, Vector2, LengthUnit[])

This will set the element's style minWidth & minHeight.

Declaration

```
public static void Size_Min(this VisualElement element, Vector2 value, params LengthUnit[] unit)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.Vector2	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit[]	unit	This unit will be applied to the element.

Size_Width(VisualElement, Single, LengthUnit)

This will set the element's style width.

Declaration

```
public static void Size_Width(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Size_Width(VisualElement, StyleKeyword)

This will set the element's style width.

Declaration

```
public static void Size_Width(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Width_Max(VisualElement, Single, LengthUnit)

This will set the element's style maxWidth.

Declaration

```
public static void Size_Width_Max(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Size_Width_Max(VisualElement, StyleKeyword)

This will set the element's style maxWidth.

Declaration

```
public static void Size_Width_Max(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Size_Width_Min(VisualElement, Single, LengthUnit)

This will set the element's style minWidth

Declaration

```
public static void Size_Width_Min(this VisualElement element, float value, LengthUnit unit = LengthUnit.Pixel)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.
UnityEngine.UIElements.LengthUnit	unit	This unit will be applied to the element.

Size_Width_Min(VisualElement, StyleKeyword)

This will set the element's style minWidth

Declaration

```
public static void Size_Width_Min(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

StylePosition(VisualElement, Position)

This will set the element's style position.

Declaration

```
public static void StylePosition(this VisualElement element, Position value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.Position	value	This value will be applied to the element.

StylePosition(VisualElement, StyleKeyword)

This will set the element's style position.

Declaration

```
public static void StylePosition(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

StylePosition_Bottom(VisualElement, Single)

This will set the element's style bottom.

Declaration

```
public static void StylePosition_Bottom(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

StylePosition_Bottom(VisualElement, StyleKeyword)

This will set the element's style bottom.

Declaration

```
public static void StylePosition_Bottom(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

StylePosition_Left(VisualElement, Single)

This will set the element's style left.

Declaration

```
public static void StylePosition_Left(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

StylePosition_Left(VisualElement, StyleKeyword)

This will set the element's style left.

Declaration

```
public static void StylePosition_Left(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

StylePosition_Right(VisualElement, Single)

This will set the element's style right.

Declaration

```
public static void StylePosition_Right(this VisualElement element, float value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

StylePosition_Right(VisualElement, StyleKeyword)

This will set the element's style right.

Declaration

```
public static void StylePosition_Right(this VisualElement element, StyleKeyword value)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

StylePosition_Toggle(VisualElement)

This will set the element's style position.

Declaration

```
public static void StylePosition_Toggle(this VisualElement element)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.

StylePosition_Top(VisualElement, Single)

This will set the element's style top.

Declaration

```
public static void StylePosition_Top(this VisualElement element, float value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
System.Single	value	This value will be applied to the element.

StylePosition_Top(VisualElement, StyleKeyword)

This will set the element's style top.

Declaration

```
public static void StylePosition_Top(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

Text_Position(VisualElement, TextAnchor)

This will set the element's style unityTextAlign.

Declaration

```
public static void Text_Position(this VisualElement element, TextAnchor value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.TextAnchor	value	This value will be applied to the element.

White_Space(VisualElement, StyleKeyword)

This will set the element's style whiteSpace

Declaration

```
public static void White_Space(this VisualElement element, StyleKeyword value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.StyleKeyword	value	This value will be applied to the element.

White_Space(VisualElement,WhiteSpace)

This will set the element's style whiteSpace

Declaration

```
public static void White_Space(this VisualElement element, WhiteSpace value)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	element	This is the element that will be changed.
UnityEngine.UIElements.WhiteSpace	value	This value will be applied to the element.

Namespace UtilitySystem.Script

Classes

Assets

This static class contains boilderplate method(s) relating to AssetDatabase.

RichText

This static class will simplify setting up rich text for "Text Mesh Pro" or "UI ToolKit"

Class Assets

This static class contains boilderplate method(s) relating to AssetDatabase.

Inheritance

System.Object

Assets

Namespace: DownUnderStudios.UtilitySystem.Script

Assembly: Assembly-CSharp.dll

Syntax

```
public static class Assets
```

Class RichText

This static class will simplify setting up rich text for "Text Mesh Pro" or "UI ToolKit"

Inheritance

System.Object

RichText

Namespace: DownUnderStudios.UtilitySystem.Script

Assembly: Assembly-CSharp.dll

Syntax

```
public static class RichText
```

Properties

NewLine

This will take an object and create a new line string.

Declaration

```
public static string NewLine { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Tab

This will take an object and create a tab gap string.

Declaration

```
public static string Tab { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Methods

BoldText(Object)

This will take an object and create a string that is bold.

Declaration

```
public static string BoldText(this object arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is set to bold.

BooleanText(Boolean)

This will take an object and create a string that is either colored green for true or red for false.

Declaration

```
public static string BooleanText(this bool arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Boolean	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is either colored green for true or red for false.

BooleanText(Object, Boolean)

This will take an object and create a string that is either colored green for true or red for false.

Declaration

```
public static string BooleanText(this object arg, bool check)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.
System.Boolean	check	This is the boolean that will determine if true or false.

Returns

Type	Description
System.String	This will return a string that is either colored green for true or red for false.

BooleanText(Object, Boolean, Color)

This will take an object and create a string that is either colored green for true or red for false.

Declaration

```
public static string BooleanText(this object arg, bool check, Color color)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.
System.Boolean	check	This is the boolean that will determine if true or false.
UnityEngine.Color	color	if true set the text to the color else return without color.

Returns

Type	Description
System.String	This will return a string that is either colored green for true or red for false.

ColoredText(Object, String)

This will take an object and create a string that will color the text.

Declaration

```
public static string ColoredText(this object arg, string color)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string. This is the object that will be passed in and will be added into a string.
System.String	color	this is the color that will be used to color the text.

Returns

Type	Description
System.String	This will return a string that is colored from the color param.

ColoredText(Object, Color)

This will take an object and create a string that will color the text.

Declaration

```
public static string ColoredText(this object arg, Color color)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.
UnityEngine.Color	color	this is the color that will be used to color the text.

Returns

Type	Description
System.String	This will return a string that is colored from the color param.

ItalicText(Object)

This will take an object and create a string that is italic.

Declaration

```
public static string ItalicText(this object arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is given an italic lean.

LowerCaseText(Object)

This will return a string to an lowercase

Declaration

```
public static string LowerCaseText(this object arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is all lowercase.

PositionText(Object, Single)

This will take an object and create a string that is a set position for the text on the line.

Declaration

```
public static string PositionText(this object arg, float pos)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.
System.Single	pos	This is a float that will be used to set the position of the text in the line.

Returns

Type	Description
System.String	This will return a string that is set at a position.

SetText(List<Func<String>>)

This will take an object and create a string that is either colored green for true or red for false.

Declaration

```
public static string SetText(List<Func<string>> messages)
```

Parameters

Type	Name	Description
System.Collections.Generic.List<System.Func<System.String>>	messages	this is a list of Func strings that will be run and appended to a StringBuilder

Returns

Type	Description
System.String	This will return a string from the StringBuilder.

SizeText(Object, Int32)

This will take an object and create a string that is the size for the text.

Declaration

```
public static string SizeText(this object arg, int size)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.
System.Int32	size	This is an integer for the size of the text.

Returns

Type	Description
System.String	This will return a string that has its size changed to the size param.

StrikeText(Object)

This will take an object and create a string that is strikethrough.

Declaration

```
public static string StrikeText(this object arg)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

Type	Description
System.String	This will return a string that has a line though it.

SubText(Object)

This will take an object and create a string that is lowered.

Declaration

```
public static string SubText(this object arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is lower then other text.

SupText(Object)

This will take an object and create a string that is raised.

Declaration

```
public static string SupText(this object arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is higher then other text .

Text(Object)

This will take an object and create a string.

Declaration

```
public static string Text(this object arg)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

Type	Description
System.String	This will return a string that is a generic text string.

UnderLineText(Object)

This will take an object and create a string that is underline.

Declaration

```
public static string UnderLineText(this object arg)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

Type	Description
System.String	This will return a string that is underlined.

UpperCaseText(Object)

This will return a string to an uppercase

Declaration

```
public static string UpperCaseText(this object arg)
```

Parameters

Type	Name	Description
System.Object	arg	This is the object that will be passed in and will be added into a string.

Returns

TYPE	DESCRIPTION
System.String	This will return a string that is all uppercase.

Namespace UtilitySystem.Tool

Classes

[Timer](#)

This Class is a Timer that can be used to activate an action after an amount of time.

Class Timer

This Class is a Timer that can be used to activate an action after an amount of time.

Inheritance

System.Object

Timer

Namespace: DownUnderStudios.UtilitySystem.Tool

Assembly: Assembly-CSharp.dll

Syntax

```
[Serializable]
public class Timer
```

Constructors

Timer(Action, Single, Boolean)

This is a Constructor that will setup the timer.

Declaration

```
public Timer(Action action, float timer, bool isStopped = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Action	action	the Action that will be run when the timer finishes.
System.Single	timer	the amount of time it will take to finish.
System.Boolean	isStopped	This param if true will set the timer to stop from the start. (default false).

Properties

CurrentTime

This property will return the currnet time round up.

Declaration

```
public int CurrentTime { get; }
```

Property Value

Type	Description
System.Int32	

Running

This will return true if the timer is running.

Declaration

```
public bool Running { get; }
```

Property Value

Type	Description
System.Boolean	

Methods

ResetTimer()

This will reset the timer.

Declaration

```
public void ResetTimer()
```

StartTimer()

This will start the timer.

Declaration

```
public void StartTimer()
```

StopTimer()

This will stop the timer.

Declaration

```
public void StopTimer()
```

UpdateTimer()

This will update the timer.

Declaration

```
public void UpdateTimer()
```

Extension Methods

RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Namespace UtilitySystem.UI

Classes

[ContextMenuElement](#)

This class is the context menu for the runtime.

[ContextMenuElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

[ContextMenuItemButtonElement](#)

This class is the context menu button for the runtime.

[ContextMenuItemButtonElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

[ContextMenuItemElement](#)

This class is the context menu item for the runtime.

[ContextMenuItemElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

[ContextMenuItemParentElement](#)

This class is the context sub-menu for the runtime.

[ContextMenuItemParentElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

[DialogBoxElement](#)

This class is the dialog box that can be move around on the screen.

[DialogBoxElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

[PopupBaseElement](#)

This abstract class that is the base of the popup elements.

[SpriteElement](#)

This Class is an VisualElement that is created for the Inventory Editor.

[SpriteElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

[ToolTipElement](#)

[ToolTipElement.UxmlFactory](#)

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Class ContextMenuElement

This class is the context menu for the runtime.

Inheritance

System.Object
UnityEngine.UIElements.CallbackEventHandler
UnityEngine.UIElements.Focusable
UnityEngine.UIElements.VisualElement
ContextMenuElement

Namespace: DownUnderStudios.UtilitySystem.UI
Assembly: Assembly-CSharp.dll

Syntax

```
public class ContextMenuElement : VisualElement, IEventHandler, ITransform, ITransitionAnimations,  
IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

ContextMenuElement()

This is a Constructor and will create the context menu.

Declaration

```
public ContextMenuElement()
```

ContextMenuElement(ContextMenuItemData[])

This is a Constructor and will create the context menu.

Declaration

```
public ContextMenuElement(params ContextMenuItemData[] data)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextMenuItemData[]	data	these is the list of Context Menu Item Data

ContextMenuElement(List<ContextMenuItemData>)

This is a Constructor and will create the context menu.

Declaration

```
public ContextMenuElement(List<ContextMenuItemData> data)
```

Parameters

Type	Name	Description
System.Collections.Generic.List<ContextMenuItemData>	data	this is the list of Context Menu Item Data

Methods

GenerateElements(List<ContextMenuItemData>)

This will generate 'ContextMenuItem' elements for this menu

Declaration

```
public void GenerateElements(List<ContextMenuItemData> data)
```

Parameters

Type	Name	Description
System.Collections.Generic.List<ContextMenuItemData>	data	This is a list of ContextMenuItemData that will be used to create the menu items.

LineBreaker()

This will create a line breaker on the context menu.

Declaration

```
public VisualElement LineBreaker()
```

Returns

Type	Description
UnityEngine.UIElements.VisualElement	The return is the element that is created.

Style()

This will set the style of the context menu.

Declaration

```
public virtual void Style()
```

Extension Methods

```
CreateElements.CreateElement_Slot(VisualElement, Int32)
CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
```

VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])

VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shrink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shrink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)

VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)

VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Class ContextMenuItemElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<ContextMenuItemElement, UnityEngine.UIElements.VisualElement.UxmlTraits>
ContextMenuItemElement.UxmlFactory

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<ContextMenuItemElement, VisualElement.UxmlTraits>, IUxmlFactory
```

Extension Methods

RichText.UpperCaseText(Object)

RichText.LowerCaseText(Object)

RichText.BoldText(Object)

RichText.ItalicText(Object)

RichText.Text(Object)

RichText.UnderLineText(Object)

RichText.StrikeText(Object)

RichText.SupText(Object)

RichText.SubText(Object)

RichText.PositionText(Object, Single)

RichText.SizeTypeText(Object, Int32)

RichText.ColoredText(Object, String)

RichText.ColoredText(Object, Color)

RichText.BooleanText(Object, Boolean)

RichText.BooleanText(Object, Boolean, Color)

Class ContextMenuItemButtonElement

This class is the context menu button for the runtime.

Inheritance

```
System.Object  
UnityEngine.UIElements.CallbackEventHandler  
UnityEngine.UIElements.Focusable  
UnityEngine.UIElements.VisualElement  
ContextMenuItemElement  
ContextMenuItemButtonElement
```

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class ContextMenuItemButtonElement : ContextMenuItemElement, IEventHandler, ITransform,  
ITransitionAnimations, IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

ContextMenuItemButtonElement()

This is a Constructor and will create the context menu item.

Declaration

```
public ContextMenuItemButtonElement()
```

ContextMenuItemButtonElement(ContextMenuItemButtonData)

This is a Constructor and will create the context menu item.

Declaration

```
public ContextMenuItemButtonElement(ContextMenuItemButtonData data)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextMenuItemButtonData	data	this is the list of Context Menu Item Data

Fields

action

This is the action will be invoke when the item is clicked.

Declaration

```
public Action action
```

Field Value

TYPE	DESCRIPTION
System.Action	

Methods

GenerateElements(ContextMenuItemButtonData)

This will generate 'ContextMenuItem' elements for this menu

Declaration

```
public void GenerateElements(ContextMenuItemButtonData data)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextMenuItemButtonData	data	This is a ContextMenuItemData that will be used to create the menu items.

Interaction()

This will setup the Interaction when the mouse enters and leave the hover of this element.

Declaration

```
public override void Interaction()
```

Overrides

[ContextMenuItemElement.Interaction\(\)](#)

Style()

This will the style of the context menu.

Declaration

```
public override void Style()
```

Overrides

ContextMenuItemElement.Style()

Extension Methods

CreateElements.CreateElement_Slot(VisualElement, Int32)
CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])

VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])

VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shrink(VisualElement, Single)

VisualElementStyleExtension.Flex_Shrink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)

VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)

RichText.BooleanText(Object, Boolean)

RichText.BooleanText(Object, Boolean, Color)

Class ContextMenuItemButtonElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<[ContextMenuItemButtonElement](#), UnityEngine.UIElements.VisualElement.UxmlTraits>

ContextMenuItemButtonElement.UxmlFactory

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<ContextMenuItemButtonElement, VisualElement.UxmlTraits>, IUxmlFactory
```

Extension Methods

[RichText.UpperCaseText\(Object\)](#)

[RichText.LowerCaseText\(Object\)](#)

[RichText.BoldText\(Object\)](#)

[RichText.ItalicText\(Object\)](#)

[RichText.Text\(Object\)](#)

[RichText.UnderLineText\(Object\)](#)

[RichText.StrikeText\(Object\)](#)

[RichText.SupText\(Object\)](#)

[RichText.SubText\(Object\)](#)

[RichText.PositionText\(Object, Single\)](#)

[RichText.SizeTypeText\(Object, Int32\)](#)

[RichText.ColoredText\(Object, String\)](#)

[RichText.ColoredText\(Object, Color\)](#)

[RichText.BooleanText\(Object, Boolean\)](#)

[RichText.BooleanText\(Object, Boolean, Color\)](#)

Class ContextMenuItemElement

This class is the context menu item for the runtime.

Inheritance

```
System.Object  
UnityEngine.UIElements.CallbackEventHandler  
UnityEngine.UIElements.Focusable  
UnityEngine.UIElements.VisualElement  
ContextMenuItemElement  
ContextMenuItemButtonElement  
ContextMenuItemParentElement
```

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class ContextMenuItemElement : VisualElement, IEventHandler, ITransform, ITransitionAnimations,  
IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

ContextMenuItemElement()

This is a Constructor and will create the context menu item.

Declaration

```
public ContextMenuItemElement()
```

ContextMenuItemElement(ContextMenuItemData)

This is a Constructor and will create the context menu item.

Declaration

```
public ContextMenuItemElement(ContextMenuItemData data)
```

Parameters

Type	Name	Description
ContextMenuItemData	data	this is the list of Context Menu Item Data

Fields

text

This is the label that will display the text of the item.

Declaration

```
public Label text
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.Label	

Methods

GenerateElements(ContextMenuItemData)

This will generate 'ContextMenuItem' elements for this menu

Declaration

```
public void GenerateElements(ContextMenuItemData data)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextMenuItemData	data	This is a ContextMenuItemData that will be used to create the menu items.

Interaction()

This will setup the Interaction when the mouse enters and leave the hover of this element.

Declaration

```
public virtual void Interaction()
```

Style()

This will the style of the context menu.

Declaration

```
public virtual void Style()
```

Extension Methods

CreateElements.CreateElement_Slot(VisualElement, Int32)

CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])

VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)

VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shrink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)

VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)

```
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)
```

Class ContextMenuItemElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<ContextMenuItemElement, UnityEngine.UIElements.VisualElement.UxmlTraits>

ContextMenuItemElement.UxmlFactory

Namespace: DownUnderStudios.Utility System.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<ContextMenuItemElement, VisualElement.UxmlTraits>, IUxmlFactory
```

Extension Methods

RichText.UpperCaseText(Object)

RichText.LowerCaseText(Object)

RichText.BoldText(Object)

RichText.ItalicText(Object)

RichText.Text(Object)

RichText.UnderLineText(Object)

RichText.StrikeText(Object)

RichText.SupText(Object)

RichText.SubText(Object)

RichText.PositionText(Object, Single)

RichText.SizeTypeText(Object, Int32)

RichText.ColoredText(Object, String)

RichText.ColoredText(Object, Color)

RichText.BooleanText(Object, Boolean)

RichText.BooleanText(Object, Boolean, Color)

Class ContextMenuItemParentElement

This class is the context sub-menu for the runtime.

Inheritance

```
System.Object
UnityEngine.UIElements.CallbackEventHandler
UnityEngine.UIElements.Focusable
UnityEngine.UIElements.VisualElement
ContextMenuItemElement
ContextMenuItemParentElement
```

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class ContextMenuItemParentElement : ContextMenuItemElement, IEventHandler, ITransform,
ITransitionAnimations, IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

ContextMenuItemParentElement()

This is a Constructor and will create the context menu item.

Declaration

```
public ContextMenuItemParentElement()
```

ContextMenuItemParentElement(ContextMenuItemParentData)

This is a Constructor and will create the context menu item.

Declaration

```
public ContextMenuItemParentElement(ContextMenuItemParentData data)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextMenuItemParentData	data	this is the list of Context Menu Item Parent Data

Fields

arrowParent

This is the element that holds a label that contains '>' that rotates when hovered.

Declaration

```
public VisualElement arrowParent
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.VisualElement	

menu

This is the sub menu attached to this item.

Declaration

```
public ContextMenuItemElement menu
```

Field Value

TYPE	DESCRIPTION
ContextMenuElement	

Methods

GenerateElements(ContextMenuItemParentData)

This will generate 'ContextMenuItem' elements for this menu

Declaration

```
public void GenerateElements(ContextMenuItemParentData data)
```

Parameters

TYPE	NAME	DESCRIPTION
ContextMenuItemParentData	data	This is a ContextMenuItemData that will be used to create the menu items.

Style()

This will set the style of the context menu.

Declaration

```
public override void Style()
```

Overrides

ContextMenuItemElement.Style()

Extension Methods

CreateElements.CreateElement_Slot(VisualElement, Int32)
CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)

VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)

VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)

VisualElementStyleExtension.Flex_Shrink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shrink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)

VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)

RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Class ContextMenuItemParentElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<[ContextMenuItemParentElement](#), UnityEngine.UIElements.VisualElement.UxmlTraits>

ContextMenuItemParentElement.UxmlFactory

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<ContextMenuItemParentElement, VisualElement.UxmlTraits>, IUxmlFactory
```

Extension Methods

[RichText.UpperCaseText\(Object\)](#)

[RichText.LowerCaseText\(Object\)](#)

[RichText.BoldText\(Object\)](#)

[RichText.ItalicText\(Object\)](#)

[RichText.Text\(Object\)](#)

[RichText.UnderLineText\(Object\)](#)

[RichText.StrikeText\(Object\)](#)

[RichText.SupText\(Object\)](#)

[RichText.SubText\(Object\)](#)

[RichText.PositionText\(Object, Single\)](#)

[RichText.SizeTypeText\(Object, Int32\)](#)

[RichText.ColoredText\(Object, String\)](#)

[RichText.ColoredText\(Object, Color\)](#)

[RichText.BooleanText\(Object, Boolean\)](#)

[RichText.BooleanText\(Object, Boolean, Color\)](#)

Class DialogBoxElement

This class is the dialog box that can be move around on the screen.

Inheritance

System.Object
UnityEngine.UIElements.CallbackEventHandler
UnityEngine.UIElements.Focusable
UnityEngine.UIElements.VisualElement
DialogBoxElement

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class DialogBoxElement : VisualElement, IEventHandler, ITransform, ITransitionAnimations,  
IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

DialogBoxElement()

This is a Constructor and will create the dialog box.

Declaration

```
public DialogBoxElement()
```

DialogBoxElement(String, String, Boolean, StyleSheet)

This is a Constructor and will create the dialog box.

Declaration

```
public DialogBoxElement(string UID, string titleText, bool isDisplay = false, StyleSheet style = null)
```

Parameters

Type	Name	Description
System.String	UID	This is the Unique ID for this DialogBox.
System.String	titleText	The text for the label that will be the title of the element.
System.Boolean	isDisplay	This boolean if true will add Visual to the onClose or Close if false.

Type	Name	Description
UnityEngine.UIElements.StyleSheet	style	The stylesheet for the element.

DialogBoxElement(String, String, VisualElement, Boolean, StyleSheet)

This is a Constructor and will create the dialog box.

Declaration

```
public DialogBoxElement(string UID, string titleText, VisualElement content, bool isDisplay = false,
StyleSheet style = null)
```

Parameters

Type	Name	Description
System.String	UID	This is the Unique ID for this DialogBox.
System.String	titleText	The text for the label that will be the title of the element.
UnityEngine.UIElements.VisualElement	content	This element will be added to the content box.
System.Boolean	isDisplay	This boolean if true will add Visual to the onClose or Close if false.
UnityEngine.UIElements.StyleSheet	style	The stylesheet for the element.

Properties

close

This is the button that will be on the title bar.

Declaration

```
public Button close { get; }
```

Property Value

Type	Description
UnityEngine.UIElements.Button	

maximise

This is the button that will be on the title bar.

Declaration

```
public Button maximise { get; }
```

Property Value

TYPE	DESCRIPTION
UnityEngine.UIElements.Button	

minimise

This is the button that will be on the title bar.

Declaration

```
public Button minimise { get; }
```

Property Value

TYPE	DESCRIPTION
UnityEngine.UIElements.Button	

UID

This is the Unique ID for this DialogBox

Declaration

```
public string UID { get; }
```

Property Value

TYPE	DESCRIPTION
System.String	

Methods

Close()

This will remove this element from it's parent.

Declaration

```
public void Close()
```

CloseAction(Action, Boolean)

This will add or remove an action for onClose

Declaration

```
public void CloseAction(Action action, bool isAdd = true)
```

Parameters

Type	Name	Description
System.Action	action	This is the action that will be added or removed.
System.Boolean	isAdd	If this is true then add else remove.

Content(VisualElement, Boolean)

This will add, remove an element or clear the whole content box.

Declaration

```
public void Content(VisualElement content = null, bool isAdd = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	content	Is an optional element to be added to the content box.
System.Boolean	isAdd	Is an optional bool to determine of added or removed.

Footer(VisualElement, Boolean)

This will add, remove an element or clear the whole foot bar.

Declaration

```
public void Footer(VisualElement content = null, bool isAdd = true)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.UIElements.VisualElement	content	Is an optional element to be added to the foot bar.
System.Boolean	isAdd	Is an optional bool to determine of added or removed.

GenerateButton(Action, String, String)

This will create the buttons for the titlebar.

Declaration

```
public Button GenerateButton(Action action, string name, string text)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Action	action	This is the action that the button will use.
System.String	name	
System.String	text	

Returns

TYPE	DESCRIPTION
UnityEngine.UIElements.Button	The Return is the button that was created.

HideAction(Action, Boolean)

This will add or remove an action for onHide

Declaration

```
public void HideAction(Action action, bool isAdd = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Action	action	This is the action that will be added or removed.

TYPE	NAME	DESCRIPTION
System.Boolean	isAdd	If this is true then add else remove.

MaximiseAction(Action, Boolean)

This will add or remove an action for onMaximise

Declaration

```
public void MaximiseAction(Action action, bool isAdd = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Action	action	This is the action that will be added or removed.
System.Boolean	isAdd	If this is true then add else remove.

MinimiseAction(Action, Boolean)

This will add or remove an action for onMinimise

Declaration

```
public void MinimiseAction(Action action, bool isAdd = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Action	action	This is the action that will be added or removed.
System.Boolean	isAdd	If this is true then add else remove.

ShowAction(Action, Boolean)

This will add or remove an action for onShow

Declaration

```
public void ShowAction(Action action, bool isAdd = true)
```

Parameters

Type	Name	Description
System.Action	action	This is the action that will be added or removed.
System.Boolean	isAdd	If this is true then add else remove.

Title(VisualElement, Boolean)

This will add, remove an element or clear the whole title bar.

Declaration

```
public void Title(VisualElement content = null, bool isAdd = true)
```

Parameters

Type	Name	Description
UnityEngine.UIElements.VisualElement	content	Is an optional element to be added to the title bar.
System.Boolean	isAdd	Is an optional bool to determine of added or removed.

Visual(Boolean)

This allows for the changing of the display of the dialogbox so it is kept instead of removing the UI and can be turned on if needed.

Declaration

```
public void Visual(bool show = true)
```

Parameters

Type	Name	Description
System.Boolean	show	This boolean if true will invoke the onShow() action or onHide() if false.

WindowDragInit(Action<Object>)

This when invoked will allow for the element to be moved by the player.

Declaration

```
public void WindowDragInit(Action<object> action = null)
```

Parameters

Type	Name	Description
System.Action<System.Object>	action	

Remarks

Parent Element needed and will cover the whole screen on mouse down event.

Extension Methods

CreateElements.CreateElement_Slot(VisualElement, Int32)
CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])

VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)

VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)

VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)

VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView < TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)

RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Class DialogBoxElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<[DialogBoxElement](#), UnityEngine.UIElements.VisualElement.UxmlTraits>

DialogBoxElement.UxmlFactory

Namespace: DownUnderStudios.Utility System.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<DialogBoxElement, VisualElement.UxmlTraits>, IUxmlFactory
```

Extension Methods

[RichText.UpperCaseText\(Object\)](#)

[RichText.LowerCaseText\(Object\)](#)

[RichText.BoldText\(Object\)](#)

[RichText.ItalicText\(Object\)](#)

[RichText.Text\(Object\)](#)

[RichText.UnderLineText\(Object\)](#)

[RichText.StrikeText\(Object\)](#)

[RichText.SupText\(Object\)](#)

[RichText.SubText\(Object\)](#)

[RichText.PositionText\(Object, Single\)](#)

[RichText.SizeType\(Object, Int32\)](#)

[RichText.ColoredText\(Object, String\)](#)

[RichText.ColoredText\(Object, Color\)](#)

[RichText.BooleanText\(Object, Boolean\)](#)

[RichText.BooleanText\(Object, Boolean, Color\)](#)

Class PopupBaseElement

This abstract class that is the base of the popup elements.

Inheritance

System.Object
UnityEngine.UIElements.CallbackEventHandler
UnityEngine.UIElements.Focusable
UnityEngine.UIElements.VisualElement
PopupBaseElement
[SlotPopupElement](#)
[TransferPopupElement](#)

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public abstract class PopupBaseElement : VisualElement, IEventHandler, ITransform, ITransitionAnimations,  
IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

PopupBaseElement()

This is the Constructor

Declaration

```
public PopupBaseElement()
```

PopupBaseElement(Vector2)

This is the Constructor

Declaration

```
public PopupBaseElement(Vector2 size)
```

Parameters

Type	Name	Description
UnityEngine.Vector2	size	This is the size of the popup.

Fields

background

This is the background of the popup.

Declaration

```
protected VisualElement background
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.VisualElement	

buttonParent

This is the element that holds the button.

Declaration

```
protected VisualElement buttonParent
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.VisualElement	

cancelButton

This is the cancel button.

Declaration

```
protected Button cancelButton
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.Button	

contentParent

This is the element that will hold the content.

Declaration

```
protected VisualElement contentParent
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.VisualElement	

submitButton

This is the submit button.

Declaration

```
protected Button submitButton
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.Button	

titleText

This is the title of the popup.

Declaration

```
protected Label titleText
```

Field Value

TYPE	DESCRIPTION
UnityEngine.UIElements.Label	

Methods

Cancel()

This will be invoke by the cancel button and will close the popup.

Declaration

```
public virtual void Cancel()
```

GenerateElements()

This will generate the elements for the popup

Declaration

```
public virtual void GenerateElements()
```

Style(Vector2)

This will style the element.

Declaration

```
public virtual void Style(Vector2 size)
```

Parameters

Type	Name	Description
UnityEngine.Vector2	size	

Submit()

This will be invoke by the submit button and will either drop or split the item.

Declaration

```
public abstract void Submit()
```

Extension Methods

CreateElements.CreateElement_Slot(VisualElement, Int32)
CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)

VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)

VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)

VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
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VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)

VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)

CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List<ContextMenuItemData>)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Class SpriteElement

This Class is an VisualElement that is created for the Inventory Editor.

Inheritance

```
System.Object  
UnityEngine.UIElements.CallbackEventHandler  
UnityEngine.UIElements.Focusable  
UnityEngine.UIElements.VisualElement  
UnityEngine.UIElements.Image  
SpriteElement
```

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class SpriteElement : Image, IEventHandler, ITransform, ITransitionAnimations, IExperimentalFeatures,  
IVisualElementScheduler, IResolvedStyle
```

Constructors

SpriteElement()

This is a Constructor and will set the style for the SpriteElement.

Declaration

```
public SpriteElement()
```

SpriteElement(Sprite, StyleSheet)

This is a Constructor and will set the style for the SpriteElement.

Declaration

```
public SpriteElement(Sprite sprite, StyleSheet style = null)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.Sprite	sprite	
UnityEngine.UIElements.StyleSheet	style	

Methods

RemoveSprite()

This will remove the sprite for this element.

Declaration

```
public void RemoveSprite()
```

SetSprite(Sprite)

This will set the sprite for this element.

Declaration

```
public void SetSprite(Sprite sprite)
```

Parameters

TYPE	NAME	DESCRIPTION
UnityEngine.Sprite	sprite	

Extension Methods

[CreateElements.CreateElement_Slot\(VisualElement, Int32\)](#)
[CreateElements.CreateElement_Icon\(VisualElement, InventoryItem\)](#)
[CreateElements.CreateElement_Inventory\(VisualElement, Int32, Int32, Inventory\)](#)
[CreateElements.CreateElement_SlotPopup\(VisualElement, Vector2, Int32, InventoryElement, Boolean\)](#)
[CreateElements.CreateElement_TransferPopup\(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement\)](#)
[VisualElementStyleExtension.BackGround_Color\(VisualElement, Color\)](#)
[VisualElementStyleExtension.Background_Image\(VisualElement, Background\)](#)
[VisualElementStyleExtension.Background_Image\(VisualElement, Texture2D\)](#)
[VisualElementStyleExtension.Background_Image\(VisualElement, Sprite\)](#)
[VisualElementStyleExtension.Background_Image\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Color\(VisualElement, Color\)](#)
[VisualElementStyleExtension.Color\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Color_Top\(VisualElement, Color\)](#)
[VisualElementStyleExtension.Border_Color_Top\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Color_Right\(VisualElement, Color\)](#)
[VisualElementStyleExtension.Border_Color_Right\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Color_Bottom\(VisualElement, Color\)](#)
[VisualElementStyleExtension.Border_Color_Bottom\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Color_Left\(VisualElement, Color\)](#)
[VisualElementStyleExtension.Border_Color_Left\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Color\(VisualElement, Color\[\]\)](#)
[VisualElementStyleExtension.Border_Color\(VisualElement, StyleKeyword\[\]\)](#)
[VisualElementStyleExtension.GetRadius_Top\(VisualElement\)](#)
[VisualElementStyleExtension.GetRadius_Bottom\(VisualElement\)](#)
[VisualElementStyleExtension.GetRadius_Size\(VisualElement\)](#)
[VisualElementStyleExtension.Border_Radius_Top_Left\(VisualElement, Single, LengthUnit\)](#)
[VisualElementStyleExtension.Border_Radius_Top_Left\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Radius_Top_Right\(VisualElement, Single, LengthUnit\)](#)
[VisualElementStyleExtension.Border_Radius_Top_Right\(VisualElement, StyleKeyword\)](#)
[VisualElementStyleExtension.Border_Radius_Bottom_Left\(VisualElement, Single, LengthUnit\)](#)

VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)

```
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
```

VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)

VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)

```
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenuItem_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeTypeText(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)
```

Class SpriteElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<SpriteElement, UnityEngine.UIElements.Image.UxmlTraits>

SpriteElement.UxmlFactory

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<SpriteElement, Image.UxmlTraits>, IUxmlFactory
```

Extension Methods

RichText.UpperCaseText(Object)

RichText.LowerCaseText(Object)

RichText.BoldText(Object)

RichText.ItalicText(Object)

RichText.Text(Object)

RichText.UnderLineText(Object)

RichText.StrikeText(Object)

RichText.SupText(Object)

RichText.SubText(Object)

RichText.PositionText(Object, Single)

RichText.SizeTypeText(Object, Int32)

RichText.ColoredText(Object, String)

RichText.ColoredText(Object, Color)

RichText.BooleanText(Object, Boolean)

RichText.BooleanText(Object, Boolean, Color)

Class ToolTipElement

Inheritance

System.Object
UnityEngine.UIElements.CallbackEventHandler
UnityEngine.UIElements.Focusable
UnityEngine.UIElements.VisualElement
ToolTipElement

Namespace: DownUnderStudios.UtilitySystem.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class ToolTipElement : VisualElement, IEventHandler, ITransform, ITransitionAnimations,  
IExperimentalFeatures, IVisualElementScheduler, IResolvedStyle
```

Constructors

ToolTipElement()

This is a Constructor for the tool tip.

Declaration

```
public ToolTipElement()
```

ToolTipElement(Font, Int32, StyleSheet)

This is a Constructor for the tool tip.

Declaration

```
public ToolTipElement(Font font = null, int textSize = 0, StyleSheet style = null)
```

Parameters

Type	Name	Description
UnityEngine.Font	font	Is an optional font that will be added to the label.
System.Int32	textSize	Is an optional size of the text in the label.
UnityEngine.UIElements.StyleSheet	style	Is an optional stylesheet for the element.

Methods

AddText(List<Func<String>>)

This will add a new message to the Func string list.

Declaration

```
public void AddText(List<Func<string>> messages)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.List<System.Func<System.String>>	messages	The list of func strings that will be added to the func string list for the message.

AddText(Func<String>)

This will add a new message to the Func string list.

Declaration

```
public void AddText(Func<string> message)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Func<System.String>	message	The func string that will be added to the func string list for the message.

AddText(String)

This will add a new message to the Func string list.

Declaration

```
public void AddText(string message)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	message	The string that will be added to the func string list for the message.

RemoveText()

this will clear the message.

Declaration

```
public void RemoveText()
```

Style()

This will set the style of the Icon.

Declaration

```
public void Style()
```

TextSize(Int32)

This will allow for the text size to be changed.

Declaration

```
public void TextSize(int textSize)
```

Parameters

Type	Name	Description
System.Int32	textSize	the int used to update the text size.

UpdatePosition(Vector2)

This will update the position of the element on screen and maintain its bound within the screens bounds.

Declaration

```
public void UpdatePosition(Vector2 mousePosition)
```

Parameters

Type	Name	Description
UnityEngine.Vector2	mousePosition	This is the vector2 position it is trying to move to.

UpdateText()

This will update the message that is displayed.

Declaration

```
public void UpdateText()
```

Extension Methods

```
CreateElements.CreateElement_Slot(VisualElement, Int32)
CreateElements.CreateElement_Icon(VisualElement, InventoryItem)
CreateElements.CreateElement_Inventory(VisualElement, Int32, Int32, Inventory)
CreateElements.CreateElement_SlotPopup(VisualElement, Vector2, Int32, InventoryElement, Boolean)
CreateElements.CreateElement_TransferPopup(VisualElement, Vector2, TransferItem, InventoryElement, InventoryElement)
VisualElementStyleExtension.BackGround_Color(VisualElement, Color)
VisualElementStyleExtension.Background_Image(VisualElement, Background)
VisualElementStyleExtension.Background_Image(VisualElement, Texture2D)
VisualElementStyleExtension.Background_Image(VisualElement, Sprite)
VisualElementStyleExtension.Background_Image(VisualElement, StyleKeyword)
VisualElementStyleExtension.Color(VisualElement, Color)
VisualElementStyleExtension.Color(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Top(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Right(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color_Left(VisualElement, Color)
VisualElementStyleExtension.Border_Color_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Color(VisualElement, Color[])
VisualElementStyleExtension.Border_Color(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetRadius_Top(VisualElement)
VisualElementStyleExtension.GetRadius_Bottom(VisualElement)
VisualElementStyleExtension.GetRadius_Size(VisualElement)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Top_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Border_Radius_Bottom_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Radius(VisualElement, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Border_Radius(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetBorder_Width(VisualElement)
VisualElementStyleExtension.GetBorder_Height(VisualElement)
VisualElementStyleExtension.GetBorder_Size(VisualElement)
VisualElementStyleExtension.Border_Width_Top(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Right(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width_Left(VisualElement, Single)
VisualElementStyleExtension.Border_Width_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Border_Width(VisualElement, Single[])
VisualElementStyleExtension.Border_Width(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Border(VisualElement, Single[])
VisualElementStyleExtension.Border(VisualElement, Color, Single[])
```

VisualElementStyleExtension.Border(VisualElement, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit, Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color, Single[])
VisualElementStyleExtension.Border(VisualElement, LengthUnit[], Color[], Single[])
VisualElementStyleExtension.Border(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetMargin_Width(VisualElement)
VisualElementStyleExtension.GetMargin_Height(VisualElement)
VisualElementStyleExtension.GetMargin_Size(VisualElement)
VisualElementStyleExtension.Margin_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Margin_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Margin(VisualElement, Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Margin(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Margin(VisualElement, StyleKeyword[])
VisualElementStyleExtension.GetPadding_Width(VisualElement)
VisualElementStyleExtension.GetPadding_Height(VisualElement)
VisualElementStyleExtension.GetPadding_Size(VisualElement)
VisualElementStyleExtension.Padding_Top(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Right(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Bottom(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding_Left(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Padding_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Padding(VisualElement, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Padding(VisualElement, LengthUnit[], Single[])
VisualElementStyleExtension.Padding(VisualElement, StyleKeyword[])
VisualElementStyleExtension.Size_Width(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size(VisualElement, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Min(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Min(VisualElement, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Min(VisualElement, Vector2, LengthUnit[])

VisualElementStyleExtension.Size_Min(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Min(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.Size_Width_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Width_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Height_Max(VisualElement, Single, LengthUnit)
VisualElementStyleExtension.Size_Height_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.Size_Max(VisualElement, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, LengthUnit, LengthUnit, Single[])
VisualElementStyleExtension.Size_Max(VisualElement, Vector2, LengthUnit[])
VisualElementStyleExtension.Size_Max(VisualElement, StyleKeyword)
VisualElementStyleExtension.GetSize_Max(VisualElement, Boolean, Boolean)
VisualElementStyleExtension.SetDisplay(VisualElement, DisplayStyle)
VisualElementStyleExtension.GetDisplay(VisualElement)
VisualElementStyleExtension.Display_ToggleVisibility(VisualElement)
VisualElementStyleExtension.Display_Hide(VisualElement)
VisualElementStyleExtension.Display_Show(VisualElement)
VisualElementStyleExtension.Display_IsInvisible(VisualElement)
VisualElementStyleExtension.Display_IsVisible(VisualElement)
VisualElementStyleExtension.StylePosition(VisualElement, Position)
VisualElementStyleExtension.StylePosition(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Toggle(VisualElement)
VisualElementStyleExtension.StylePosition_Top(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Top(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Right(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Right(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Bottom(VisualElement, StyleKeyword)
VisualElementStyleExtension.StylePosition_Left(VisualElement, Single)
VisualElementStyleExtension.StylePosition_Left(VisualElement, StyleKeyword)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Top_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Left(VisualElement, Single, Single)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Vector2)
VisualElementStyleExtension.Position_Bottom_Right(VisualElement, Single, Single)
VisualElementStyleExtension.Anchored_Position_Top_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Top_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Left(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Anchored_Position_Bottom_Right(VisualElement, UIAnchorEnum)
VisualElementStyleExtension.Align_Content(VisualElement, Align)
VisualElementStyleExtension.Align_Content(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Item(VisualElement, Align)
VisualElementStyleExtension.Align_Item(VisualElement, StyleKeyword)
VisualElementStyleExtension.Align_Self(VisualElement, Align)
VisualElementStyleExtension.Align_Self(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Wrap(VisualElement, Wrap)
VisualElementStyleExtension.Flex_Wrap(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Shrink(VisualElement, Single)
VisualElementStyleExtension.Flex_Shrink(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Grow(VisualElement, Single)
VisualElementStyleExtension.Flex_Grow(VisualElement, StyleKeyword)

VisualElementStyleExtension.Flex_Direction(VisualElement, FlexDirection)
VisualElementStyleExtension.Flex_Direction(VisualElement, StyleKeyword)
VisualElementStyleExtension.Flex_Basis(VisualElement, Single)
VisualElementStyleExtension.Flex_Basis(VisualElement, StyleKeyword)
VisualElementStyleExtension.White_Space(VisualElement,WhiteSpace)
VisualElementStyleExtension.White_Space(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font_Size(VisualElement, Single)
VisualElementStyleExtension.Font_Size(VisualElement, StyleKeyword)
VisualElementStyleExtension.Font(VisualElement, Font)
VisualElementStyleExtension.Font(VisualElement, FontAsset)
VisualElementStyleExtension.Text_Position(VisualElement, TextAnchor)
VisualElementStyleExtension.Overflow(VisualElement, Overflow)
VisualElementStyleExtension.Overflow(VisualElement, StyleKeyword)
VisualElementExtension.ViewDataKey(VisualElement, String)
VisualElementExtension.UsageHints(VisualElement, UsageHints)
VisualElementExtension.ToolTip(VisualElement, String)
VisualElementExtension.GetLayout(VisualElement)
VisualElementExtension.GetLayoutSize(VisualElement)
VisualElementExtension.GetLayoutWidth(VisualElement)
VisualElementExtension.GetLayoutHeight(VisualElement)
VisualElementExtension.GetLayoutPosition(VisualElement)
VisualElementExtension.GetLayoutPositionX(VisualElement)
VisualElementExtension.GetLayoutPositionY(VisualElement)
VisualElementExtension.GetWorldBound(VisualElement)
VisualElementExtension.GetWorldBoundSize(VisualElement)
VisualElementExtension.GetWorldBoundPosition(VisualElement)
VisualElementExtension.GetLocalBound(VisualElement)
VisualElementExtension.GetLocalBoundSize(VisualElement)
VisualElementExtension.GetLocalBoundPosition(VisualElement)
VisualElementExtension.Pick(VisualElement, PickingMode)
VisualElementExtension.Pick_Toggle(VisualElement)
VisualElementExtension.Pick_OFF(VisualElement)
VisualElementExtension.Pick_ON(VisualElement)
VisualElementExtension.Focus(VisualElement, Boolean)
VisualElementExtension.Focus_Toggle(VisualElement)
VisualElementExtension.Focus_OFF(VisualElement)
VisualElementExtension.Focus_ON(VisualElement)
VisualElementExtension.SetVisible(VisualElement, Boolean)
VisualElementExtension.GetVisible(VisualElement)
VisualElementExtension.Visible_ToggleVisibility(VisualElement)
VisualElementExtension.Visible_Hide(VisualElement)
VisualElementExtension.Visible_Show(VisualElement)
VisualElementExtension.Visible_IsInvisible(VisualElement)
VisualElementExtension.Visible_IsVisible(VisualElement)
VisualElementExtension.ResetRotation(VisualElement)
VisualElementExtension.SetTransform_Rotate(VisualElement, Vector3)
VisualElementExtension.GetTransform_Rotate(VisualElement)
VisualElementExtension.Rotate_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Counter_Clockwise(VisualElement, Vector3)
VisualElementExtension.Rotate_Clockwise_X(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_X(VisualElement, Single)
VisualElementExtension.RotateY_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Counter_Clockwise_Y(VisualElement, Single)
VisualElementExtension.Rotate_Clockwise_Z(VisualElement, Single)

VisualElementExtension.Rotate_Counter_Clockwise_Z(VisualElement, Single)
VisualElementExtension.SetTransform_Position(VisualElement, Vector2)
VisualElementExtension.GetTransform_Position(VisualElement)
VisualElementExtension.SetTransform_Scale(VisualElement, Vector3)
VisualElementExtension.GetTransform_Scale(VisualElement)
VisualElementExtension.Child(VisualElement, VisualElement, Boolean)
VisualElementExtension.StyleSheet(VisualElement, StyleSheet, Boolean)
VisualElementExtension.Name(VisualElement, String)
VisualElementExtension.GetElementSize(VisualElement)
VisualElementExtension.ScreenBound(VisualElement)
VisualElementExtension.MouseGrab(VisualElement, Vector2)
VisualElementExtension.MouseRelease(VisualElement)
VisualElementExtension.UpdatePosition(VisualElement, Vector2)
CreateElements.CreateElement_Label(VisualElement, String, Boolean)
CreateElements.CreateElement_VisualElement(VisualElement)
CreateElements.CreateElement_ScrollView(VisualElement, ScrollViewMode, VisualElement[])
CreateElements.CreateElement_ListView< TValue >(VisualElement, List< TValue >, Single, SelectionType)
CreateElements.CreateElement_Button(VisualElement, Action)
CreateElements.CreateElement_Toggle(VisualElement, String)
CreateElements.CreateElement_TextField(VisualElement, String, Int32, Boolean, Boolean, Char)
CreateElements.CreateElement_Foldout(VisualElement, String, Boolean)
CreateElements.CreateElement_Slider(VisualElement, Single, Single, String)
CreateElements.CreateElement_Slider_Int(VisualElement, Int32, Int32, String)
CreateElements.CreateElement_Slider_Min_Max(VisualElement, String, Single, Single, Single, Single)
CreateElements.CreateElement_Progress_Bar(VisualElement, String, Single, Single, Single)
CreateElements.CreateElement_Dropdown(VisualElement, String, List< String >, Int32)
CreateElements.CreateElement_Radio(VisualElement, Boolean, String, Boolean)
CreateElements.CreateElement_Radio_Group(VisualElement, String, String[])
CreateElements.CreateElement_ContextMenuItem(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu(VisualElement, ContextMenuItemData[])
CreateElements.CreateElement_ContextMenu(VisualElement, List< ContextMenuItemData >)
CreateElements.CreateElement_ContextMenu_Item_Parent(VisualElement, ContextMenuItemParentData)
CreateElements.CreateElement_ContextMenu_Item(VisualElement, ContextMenuItemData)
CreateElements.CreateElement_ContextMenu_Item_Button(VisualElement, ContextMenuItemButtonData)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, Boolean)
CreateElements.CreateElement_DialogBox(VisualElement, String, String, VisualElement, Boolean)
CreateElements.CreateElement_Tooltip(VisualElement, Font, Int32)
CreateElements.CreateElement_Sprite(VisualElement, Sprite)
RichText.UpperCaseText(Object)
RichText.LowerCaseText(Object)
RichText.BoldText(Object)
RichText.ItalicText(Object)
RichText.Text(Object)
RichText.UnderLineText(Object)
RichText.StrikeText(Object)
RichText.SupText(Object)
RichText.SubText(Object)
RichText.PositionText(Object, Single)
RichText.SizeType(Object, Int32)
RichText.ColoredText(Object, String)
RichText.ColoredText(Object, Color)
RichText.BooleanText(Object, Boolean)
RichText.BooleanText(Object, Boolean, Color)

Class ToolTipElement.UxmlFactory

This new class is UxmlFactory and is needed to create a uxml tag for the UIDocument to read.

Inheritance

System.Object

UnityEngine.UIElements.UxmlFactory<ToolTipElement, UnityEngine.UIElements.VisualElement.UxmlTraits>

ToolTipElement.UxmlFactory

Namespace: DownUnderStudios.Utility.System.UI

Assembly: Assembly-CSharp.dll

Syntax

```
public class UxmlFactory : UxmlFactory<ToolTipElement, VisualElement.UxmlTraits>, IUxmlFactory
```

Extension Methods

RichText.UpperCaseText(Object)

RichText.LowerCaseText(Object)

RichText.BoldText(Object)

RichText.ItalicText(Object)

RichText.Text(Object)

RichText.UnderLineText(Object)

RichText.StrikeText(Object)

RichText.SupText(Object)

RichText.SubText(Object)

RichText.PositionText(Object, Single)

RichText.SizeType(Object, Int32)

RichText.ColoredText(Object, String)

RichText.ColoredText(Object, Color)

RichText.BooleanText(Object, Boolean)

RichText.BooleanText(Object, Boolean, Color)