

WebSlidingMenu White Paper

This whitepaper describes the concept and features introduced in WebSlidingMenu.

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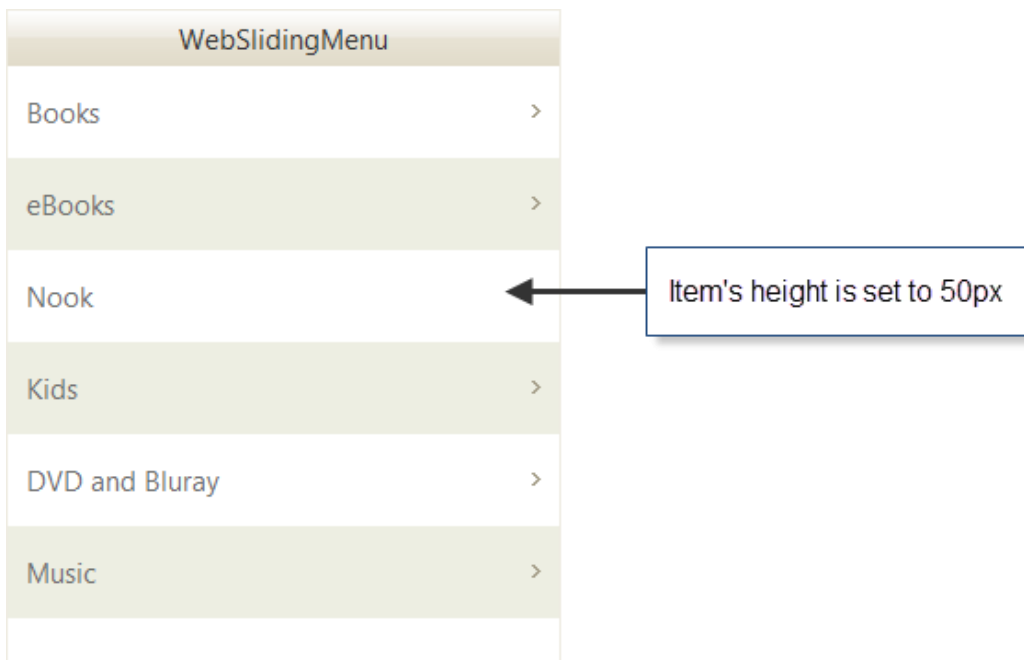
User Interface

WebSlidingMenu provides various customizations on the user interface aspect through its comprehensive properties. The customization can be made globally (specified inside **LayoutSettings** property) or individually depending on your requirement.

Item Height

The most fundamental setting in WebSlidingMenu is the ability to set the item's height. Use **LayoutSettings** >> **ItemHeight** property for global application. Or, use **[Item]** >> **ItemHeight** property to set individual item height. By default, the height is 30 pixels.

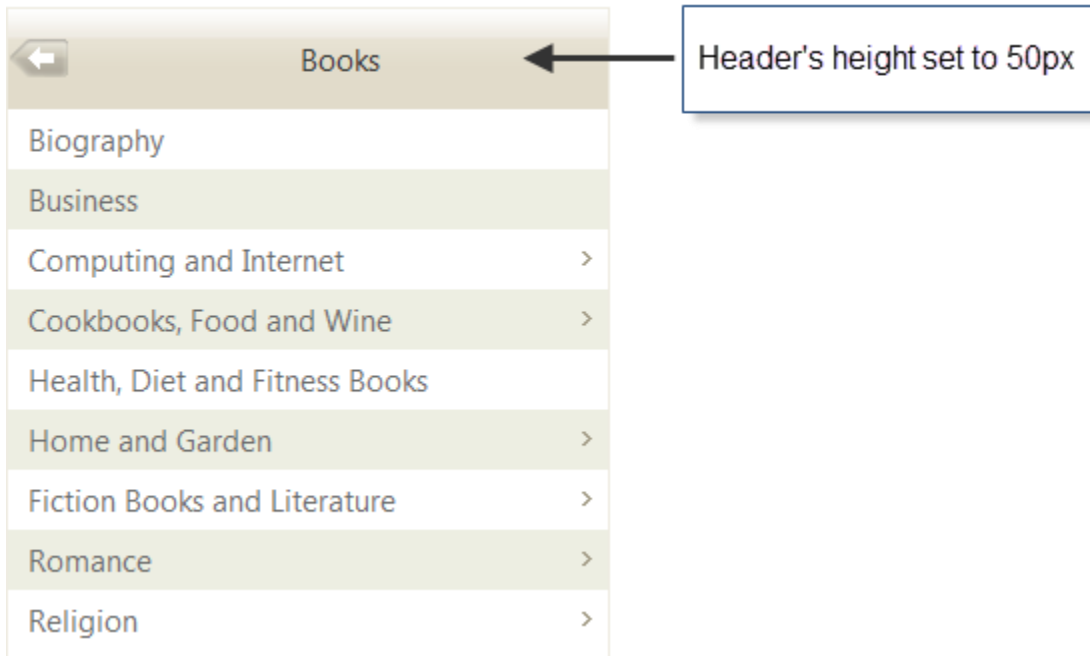
Items	(Collection)
[-] LayoutSettings	
HeaderHeight	30
ItemHeight	50
ShowLoader	True
ShowNextIndicator	True
ShowPreviousIndicator	True
TargetWindow	
Levels	(Collection)
LoadOnDemand	False
[+] TextSettings	
UseDefaultStyle	True
Visible	True



Header Height

Similar to the item's height, the content height can be customized as well. Use the **LayoutSettings >> HeaderHeight** property to apply this globally or **[Level] >> HeaderHeight** property to set individual header height. By default, the height is 30 pixels.

Items	(Collection)
LayoutSettings	
HeaderHeight	50
ItemHeight	30
ShowLoader	True
ShowNextIndicator	True
ShowPreviousIndicator	True
TargetWindow	
Levels	(Collection)
LoadOnDemand	False
TextSettings	
UseDefaultStyle	True
Visible	True



Show Loader

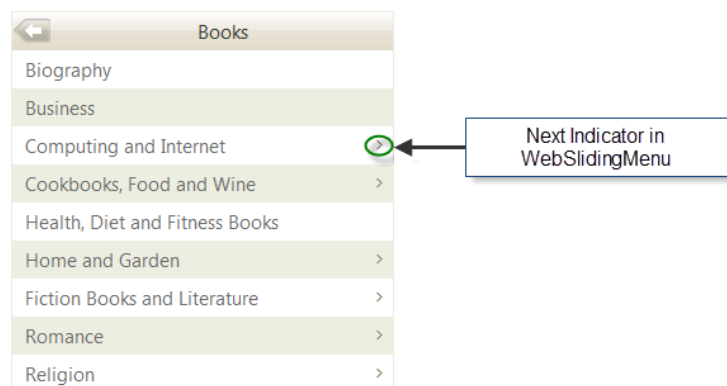
When Load-on-Demand feature is enabled, a loader will automatically be shown every time an item is loaded. Using the **ShowLoader** properties, you can show or hide the loader.

Items	(Collection)
LayoutSettings	
HeaderHeight	30
ItemHeight	30
ShowLoader	True
ShowNextIndicator	True
ShowPreviousIndicator	True
TargetWindow	
Levels	(Collection)
LoadOnDemand	False
TextSettings	
UseDefaultStyle	True
Visible	True

Next Indicator

The next indicator is a visual hint indicating that an item has children. The indicator can be disabled using **ShowNextIndicator** property, located inside the **LayoutSettings** group. The default value is *true*.

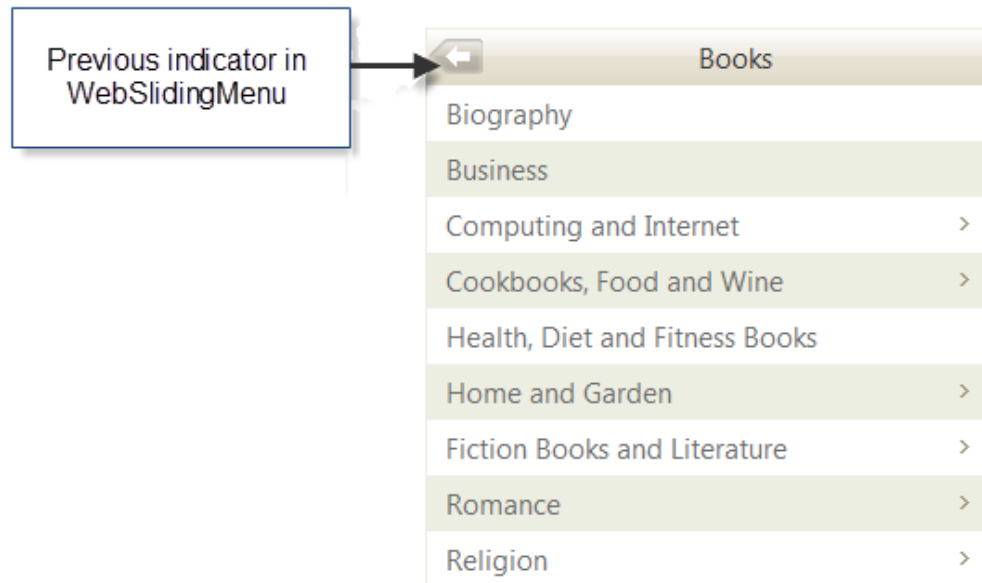
Items	(Collection)
LayoutSettings	
HeaderHeight	30
ItemHeight	30
ShowLoader	True
ShowNextIndicator	True
ShowPreviousIndicator	True
TargetWindow	
Levels	(Collection)
LoadOnDemand	False
TextSettings	
UseDefaultStyle	True
Visible	True



Previous Button

While the next indicator is used to navigate to the child items, previous button enables user to navigate to the parent item. By default, this button is visible. You can hide it via **ShowPreviousIndicator** property and set it to *false*.

Items	(Collection)
LayoutSettings	
HeaderHeight	30
ItemHeight	30
ShowLoader	True
ShowNextIndicator	True
ShowPreviousIndicator	True
TargetWindow	
Levels	(Collection)
LoadOnDemand	False
TextSettings	
UseDefaultStyle	True
Visible	True



Item Style

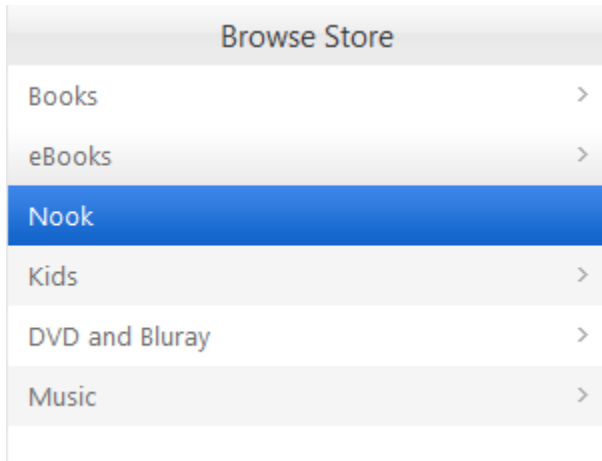
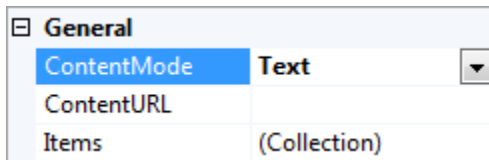
WebSlidingMenu provides a wide selection of built-in themes that you can pick. Additionally, you can also use your custom CSS class for better customization.

WebSlidingMenuItem

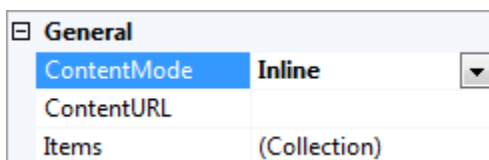
Various Item's Content Mode

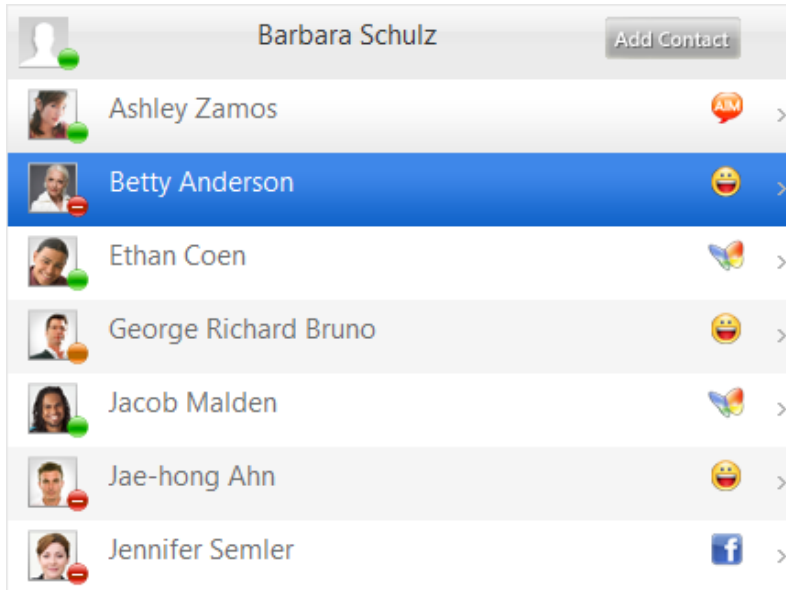
WebSlidingMenu supports three types of content modes to better serve your requirement. Use the **[Level] >> ItemContentMode** property to apply this globally per level or **[Item] >> ContentMode** property to set individual content mode.

- **Text**
Use the **Text** property to specify your own content.



- **Inline**
This advanced mode gives you the flexibility to present richer information using HTML object or any server-side controls. WebEssentials' solid integration to Visual Studio IDE enables you to directly input the content in the design time mode.



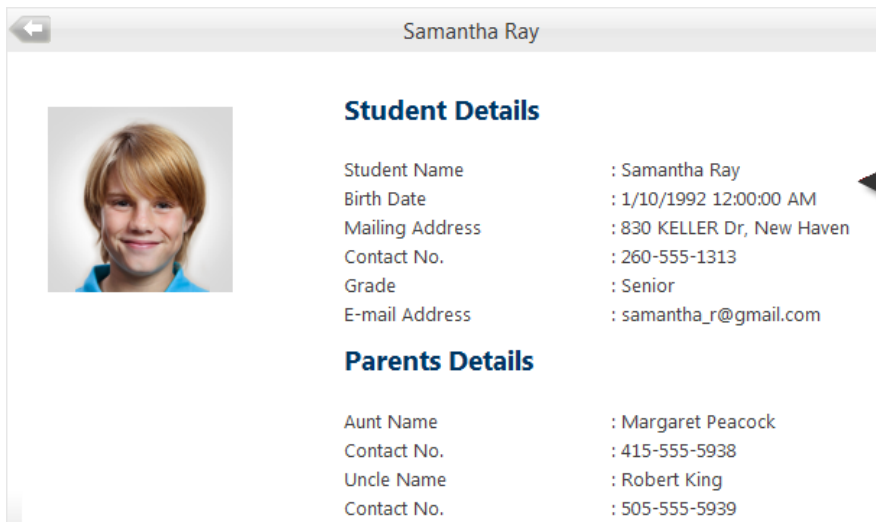


The item's content mode is set to inline

- **IFrame**

IFrame content mode is an alternative to the two above. It enables you to host an external page through the **ContentURL** property.

General	
ContentMode	IFrame
ContentURL	
Items	(Collection)







The Item's content mode is set to IFrame

AutoHeight

AutoHeight is an interesting feature as it automatically calculates each item's height based on its content's height. When **AutoHeight** property is set to *true*, WebSlidingMenu will ignore any value in **ItemHeight** property. Use the **[Level] >> AutoHeight** property to apply this globally per level or **[Item] >> AutoHeight** property to set individual content mode.

[-] General	
ContentMode	Default
ContentURL	
Items	(Collection)
[-] Item Details	
AutoHeight	True
CustomRules	
Enabled	True
ItemHeight	-1
Name	
[-] Parent WebSlidingMenu1	
ParentMenu	
Tag	
TargetURL	

Student List	
 Aaron Eckhart Mobile Phone: 916-444-3876 1300 Green Road, New Haven	>
 Hanley McDower 923 W Circle Dr, New Haven	>
 Samantha Ray Mobile Phone: 812-115-3669 830 KELLER Dr, New Haven	>
 Cameron Martin 910 Powers St, New Haven	>

The Item's height depends on the content's height

Navigation

AutoHeight	True
CustomRules	
Enabled	True
ItemHeight	-1
Name	item
Parent	WebSlidingMenu1
ParentMenu	
Tag	
TargetURL	
TargetWindow	
Text	
ToolTip	
Value	
Visible	True

Supporting its innate nature as a navigation control, WebSlidingMenu offers comprehensive navigation-related features and properties. It enables a clicked item to be opened in a specific URL in a new window or target IFrame. The target window can be specified in **LayoutSettings >> TargetWindow** property or **[item] >> TargetWindow** property for individual item. The target URL can be specified in **[item] >> TargetURL** property.

WebSlidingMenuLevel

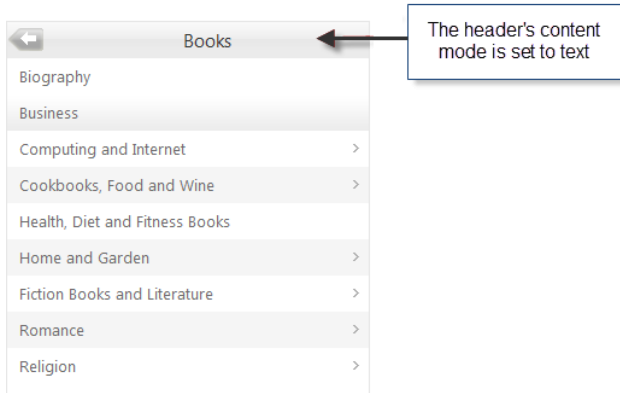
WebSlidingMenu enables users to customize the item and header per level. Users can use the properties provided to specify the global configuration per level, such as the header content mode, header content template, item content mode, item content template, auto height, and many other.

Various Header's Content Mode

WebSlidingMenu supports two types of content mode for the header.

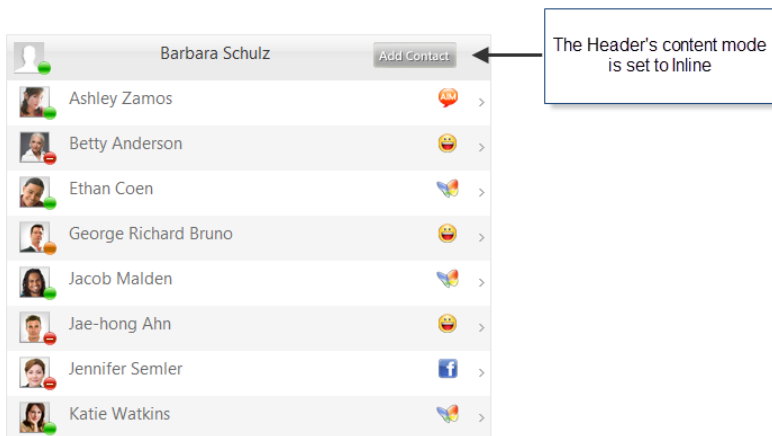
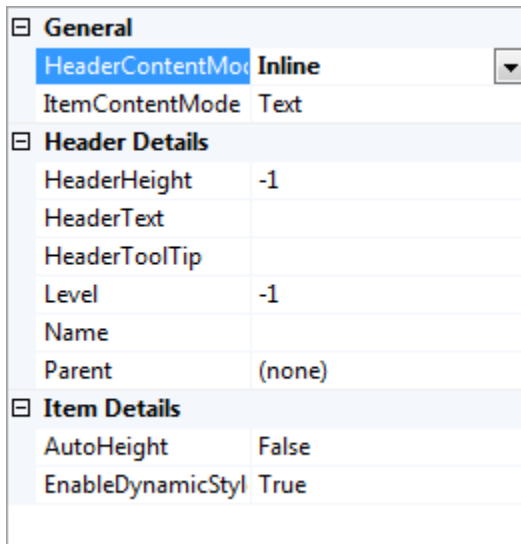
- **Text**
This default property only accepts text as the header's content.

General	
HeaderContentMode	Text
ItemContentMode	UseItems
Header Details	
HeaderHeight	-1
HeaderText	
HeaderToolTip	
Level	-1
Name	
Parent	(none)
Item Details	
AutoHeight	False
EnableDynamicStyl	True



- **Inline**

Inline mode offers better customization as it enables you to insert other controls or HTML objects during design time.



Adjustable Header Level

Header level represents the hierarchy level of each header item, which can be determined by **Level** property.

Enable Dynamic Style

Using the **EnableDynamicStyle** properties, user can customize whether or not to use the item's dynamic style at the level. The dynamic style will be enabled or disabled for all items and alternate items in the level and can be configured differently in each level.

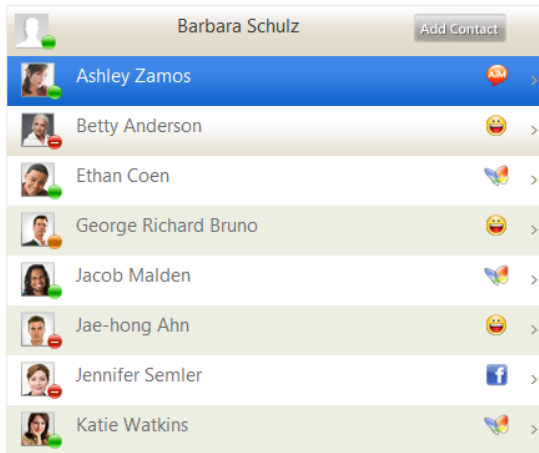
[-] General	
HeaderContentMode	Text
ItemContentMode	UseItems
[-] Header Details	
HeaderHeight	-1
HeaderText	
HeaderToolTip	
Level	-1
Name	
Parent	(none)
[-] Item Details	
AutoHeight	False
EnableDynamicStyle	True <input type="checkbox"/>

XHTML Compliance

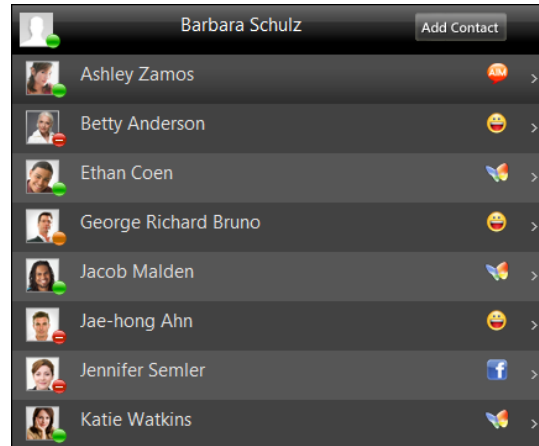
WebSlidingMenu is designed to fully comply with W3C's XHTML standard – providing identical rendering when running in various modern XHTML-ready browsers.

Default Styles

WebSlidingMenu offers 4 different styles for quick application. Use the **DefaultStyleMode** property to switch to the one that suit your need the most.



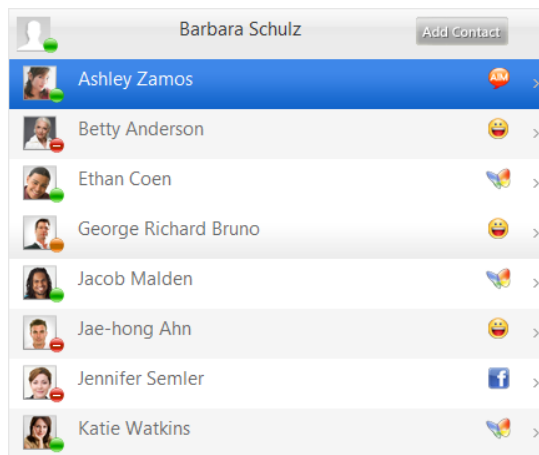
WebSlidingMenu with Standard style.



WebSlidingMenu with Black style.



WebSlidingMenu with OfficeBlack style.



WebSlidingMenu with Silver style.

Advanced Layout Customization

Header Style

Use this setting to customize WebSlidingMenu's header.

Item Style

Use this setting to customize WebSlidingMenu's item style, including normal, active, and hover style.

Alternate Item Style

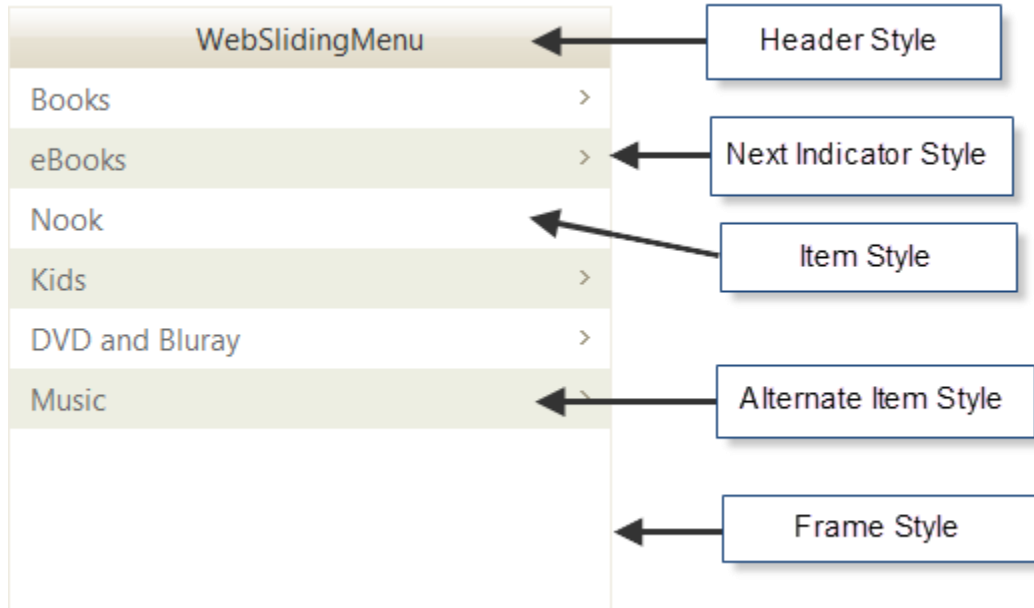
AlternateItemStyle provide same setting as the ItemStyle, but applied to alternating item.

Next Indicator Style

Use this setting to customize the next indicator style.

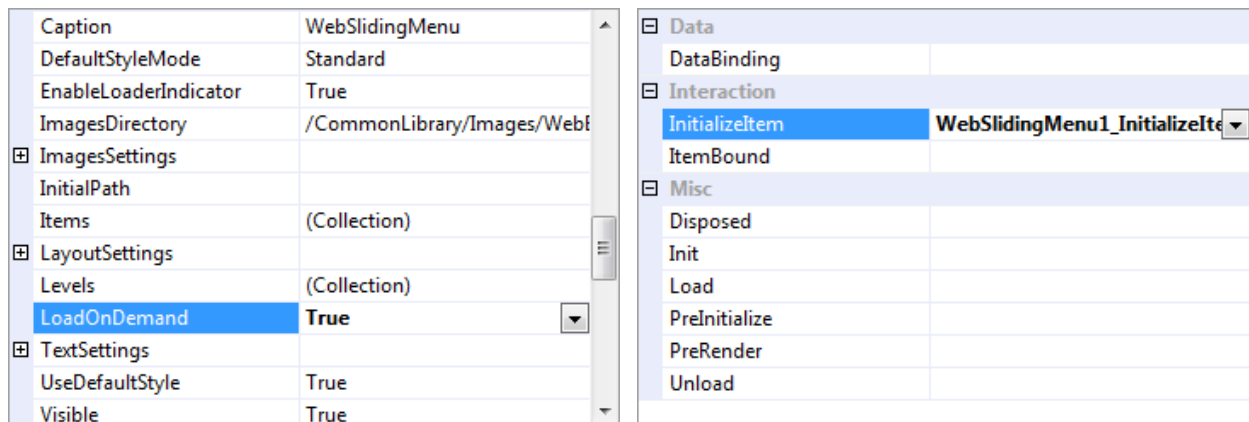
Frame Style

Use this setting to customize the frame style.



Powerful Load-on-Demand

Enterprise users demand superior user experience. WebSlidingMenu's innovative Load-on-Demand is designed to cater this specific need by loading the child's content on every request. This mechanism delivers lightweight rendering regardless of how huge and complex the data is. Set the **LoadOnDemand** property to true to enjoy this amazing feature. This feature will be used in unbound mode and not in bound mode. Since LoadOnDemand request new data coinciding to the selected item, you need to implement the content retrieval logic on *InitializeItem* server-side event.



```

protected void WebSlidingMenu1_InitializeItem(object sender,
ISNet.WebUI.WebEssentials.WebSlidingMenuEventArgs e)
{
    if (e.Action == "InitializeChild")
    {
        WebSlidingMenuItemCollection itemCol = new
WebSlidingMenuItemCollection();
        string studentID = e.SelectedItemName;
        switch (studentID)
        {
            case "1":
                WebSlidingMenuItem item = new WebSlidingMenuItem();
                item.Text = studentID + "Child";
                item.Name = studentID + "Child";

                item.ContentMode = WebSlidingMenuContentMode.Inline;
                item.AutoHeight = true;
                item.ContentTemplate = new MyTemplate(Page, studentID);

                itemCol.Add(item);
                break;
            case "2":
                WebSlidingMenuItem item2 = new WebSlidingMenuItem();
                item2.Text = studentID + "Child";
                item2.Name = studentID + "Child";

                item2.ContentMode = WebSlidingMenuContentMode.Inline;
                item2.AutoHeight = true;
                item2.ContentTemplate = new MyTemplate(Page, studentID);

                itemCol.Add(item2);
                break;
        }
        e.NewItemsObject = itemCol;
    }
}

```

Set Initial Level by Path

SetInitialLevelByPath is a special server-side method for defining the path level initially. You must put the correct path using the item's name and WebSlidingMenu will automatically map it according to your custom path.

```

protected void Page_Load(object sender, EventArgs e)
{
    WebSlidingMenu1.SetInitialLevelByPath("Books/Biography");
}

```

Comprehensive Client-side Events

The following is the list of client side events in WebSlidingMenu

OnInitialize(*controlId*)

This client-side event will be invoked when WebSlidingMenu is being initialized.

OnItemClick(*controlId*, *itemObject*, *itemText*)

This client-side event will be invoked when an item is clicked.

OnPreviousButtonClick(*controlId*)

This client-side event will be invoked when the previous button is clicked.

OnResponse(*controlId*)

This client-side event will be invoked when response is returned after a FlyPostBack action.

OnInitializeItem(*controlId*, *itemObject*, *itemText*)

This client-side event will be invoked when load on demand is enabled and the items of previous or next level is requested.

Data Binding

Concept

Sharing a similar concept as a tree view control, WebSlidingMenu displays data in hierarchical mode using XML document. You can use XMLDataSource to connect your XML document to WebSlidingMenu.

Note: WebSlidingMenu only support XMLDataSource control for the binding capability

When bound, **WebSlidingMenuItemBinding** objects are added to **WebSlidingMenuItemBinding** collection to enables you further customize individual item. The settings are automatically mapped to **WebSlidingMenuItem** property.

There are three key properties that must be defined:

1. DataMember

This property specifies the XML element name.

2. Depth

This property specifies the hierarchy level of the item.

3. MaxDataBindDepth

This property specifies the maximum number of hierarchical level bound to WebSlidingMenu.

For example: if the property is set to 2, WebSlidingMenu will only retrieve the root node and its child node. Other nodes are ignored.

Note: You can set either DataMember or Depth, or you can set both of the properties.

Data Binding Editor

The data binding editor lets you quickly connect your XML document and setup a WebSlidingMenu instance hassle-freely. You can control which field should be bound any many more.

