

**Visual Training**

**Of**

**Microsoft Visual Studio2015**

**Web based Applications using ASP.Net with MS Visual C-  
Sharp**



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**ASP.NET**

**Visual Training**

**Of**

**Microsoft Visual Studio2015**



# **Web based Applications using ASP.Net with MS Visual C-Sharp**



## **Chapter No.3**

### **Adding Menus in the Master Pages**



## 1.1 Menus in ASP.NET

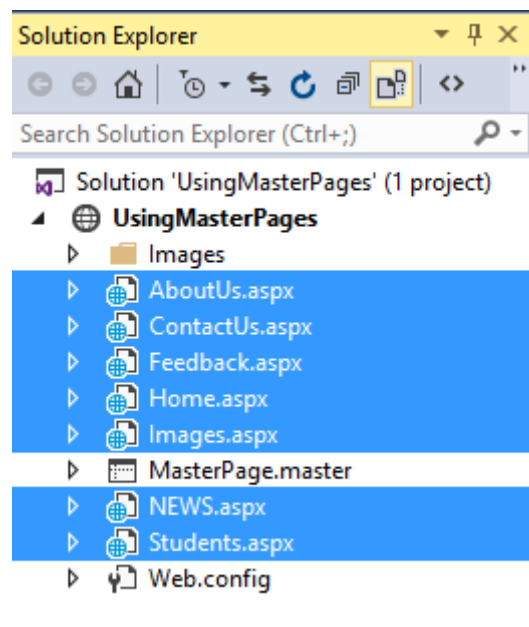
ASP.Net Menu provides single Click access to the different Web Forms of the Web Site. Menus are of two types: Static Menu and Dynamic Menu. Static Menus are those which remain always visible to the Users. Dynamic Menus are displayed when Mouse Hover to some specific Menu Item in the Menu. In ASP.Net, Menu Control is used to create a Menu. There are many properties which can be easily manipulated to change the look and feel of the Menu. In the next few Pages, we are going to design an attractive and beautiful Menu using Menu Control in ASP.Net. Menu Control is listed under the **Navigation Tab** in the ToolBox.

## 1.2 Adding Static Menus to Master Pages

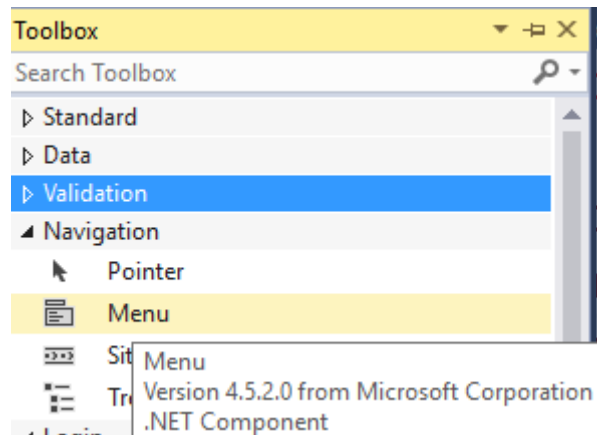
To add Menus to the Master Page, first add some ASP.Net web forms to the Web Site (also note that Master Page must be applied to each of these web forms) we developed in previous day. For example, add

**Contact Us, Feedback, Privacy, Student, About Us, News, Images etc.**

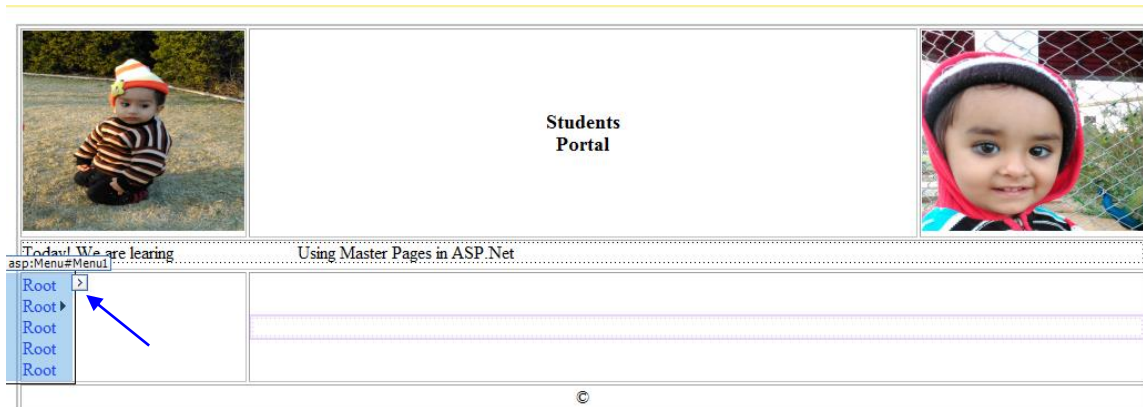
Web form is added by Right Click on Web Site Name, and Choose Add → Net Item → Web Form → Rename Web Form to each of the above Web Form Name and ensure that Master Page is applied to each of the new web form. We have learnt on previous day how to apply Master page to content page. All of these Web Forms will be added to Solution Explorer as shown



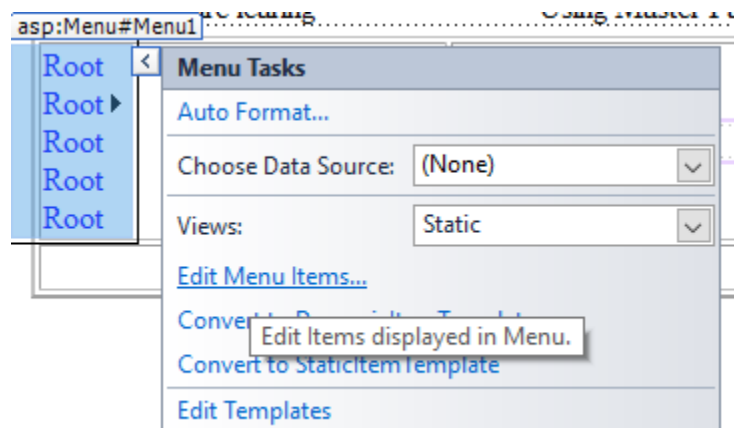
Now, we will add Menu to our Master Page. Go to ToolBox, Open the **Navigation Tab** as shown



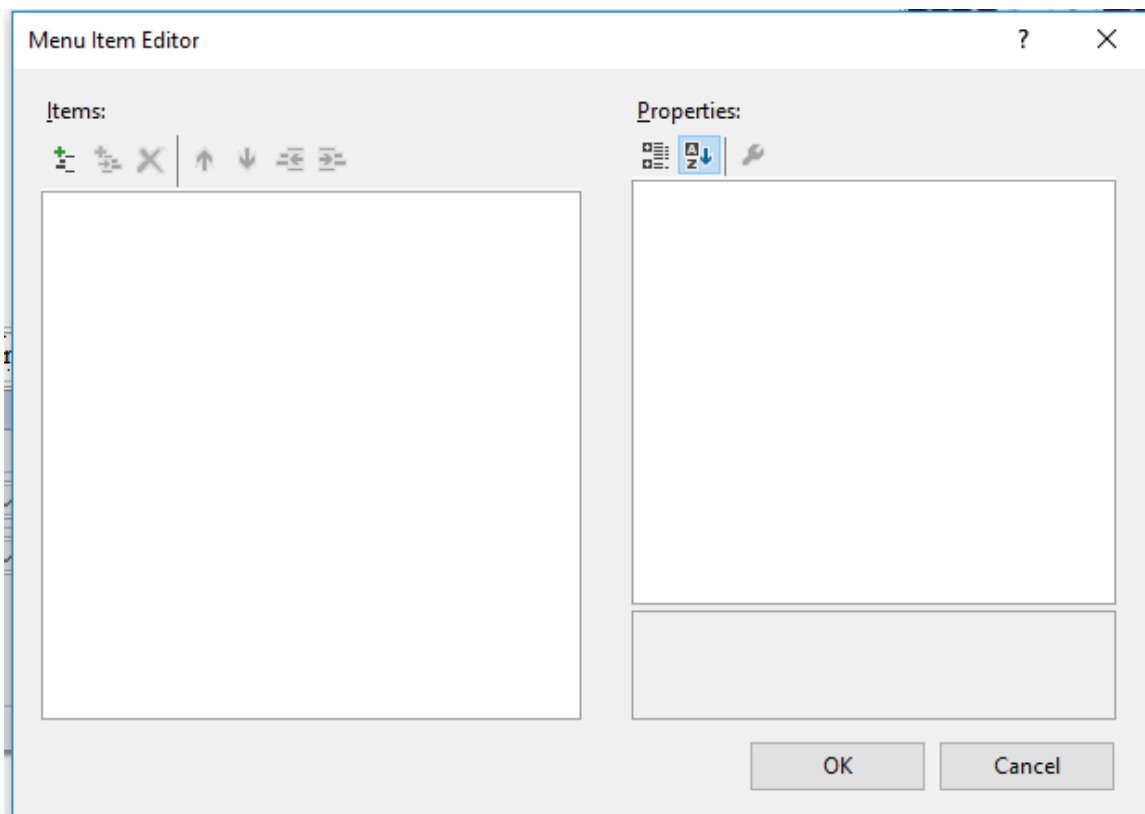
Drag the Menu Control to the first <TD> of the third <TR> of the above designed Master Page, you will see the following



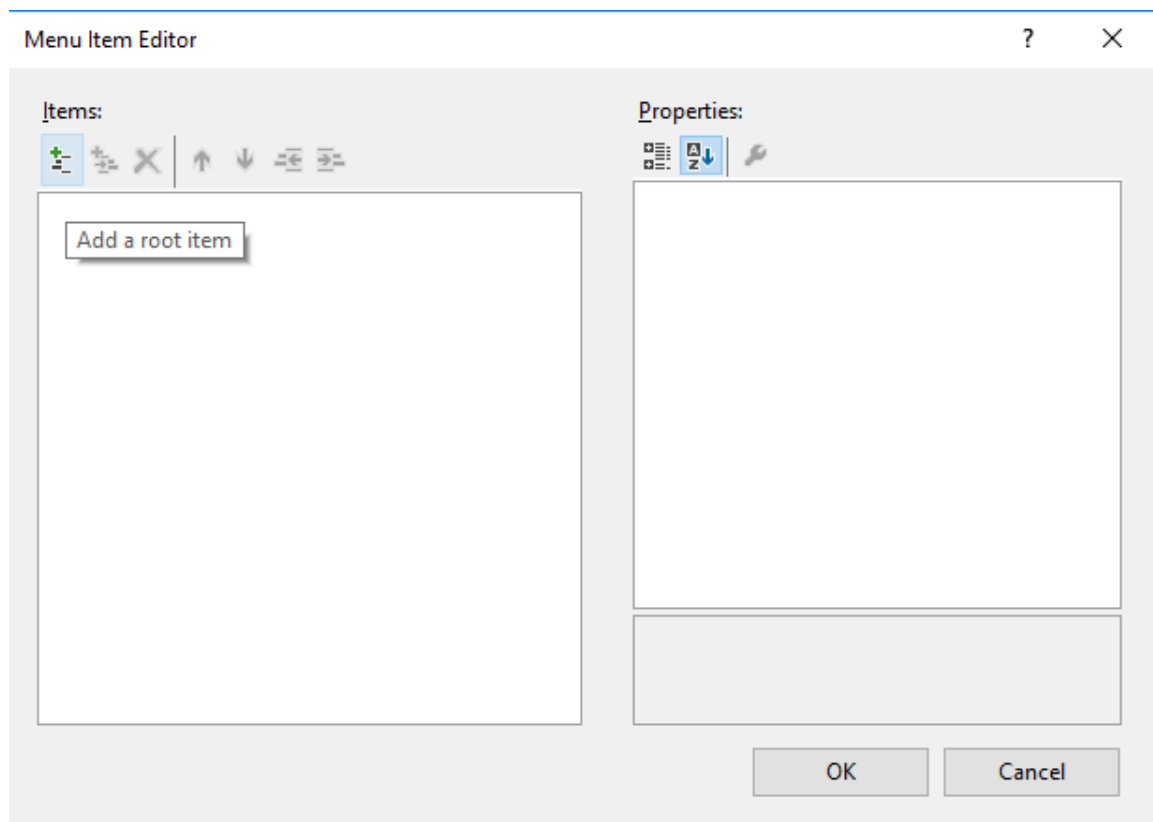
Click on the Small Arrow to the Right side of the Menu as shown in the above figure, you will see the Menu Task Options Window as shown



From here, Click on the **Edit Menu Items...** Options to open the **Menu Items Editor** window as shown here

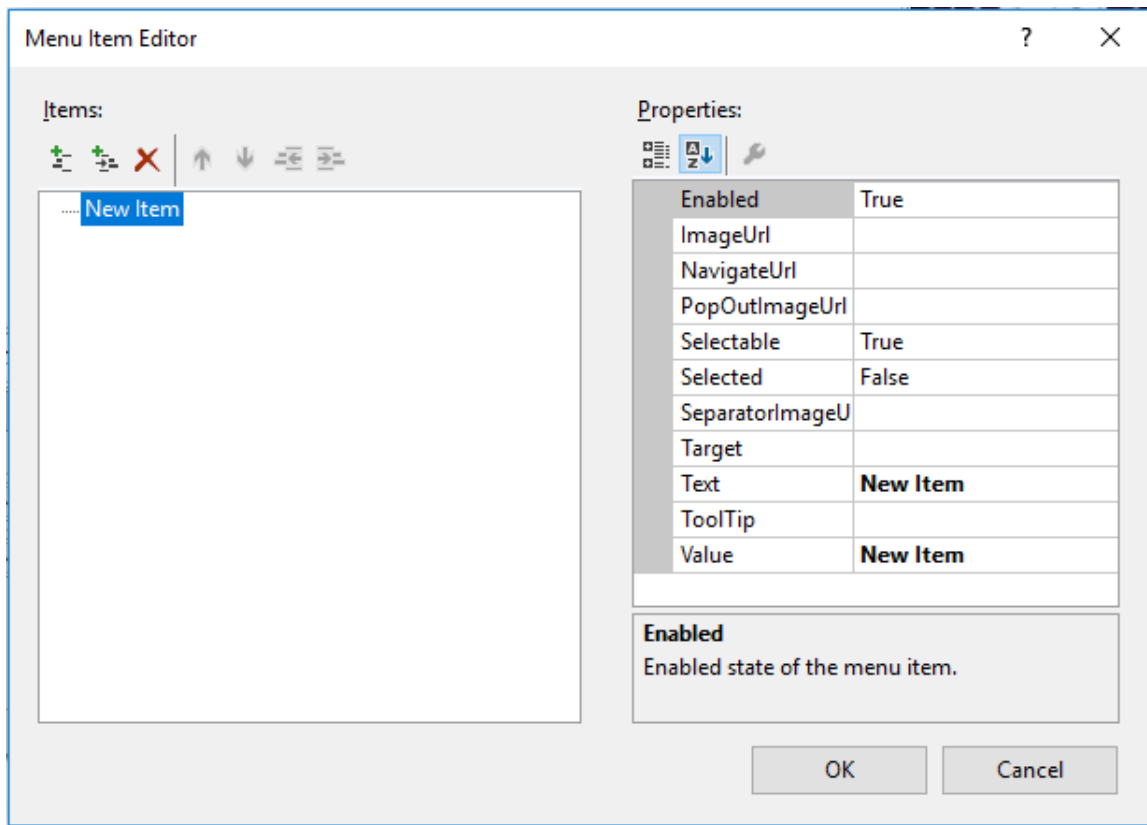


From here, you will see the + sign in GREEN color to the Left top Corner. You can click it as many times as you want to add Pages links in the Menus. This GREEN color + is shown here





This basically add a root item each time you click on it. Click it one time to add a root Menu Item as shown

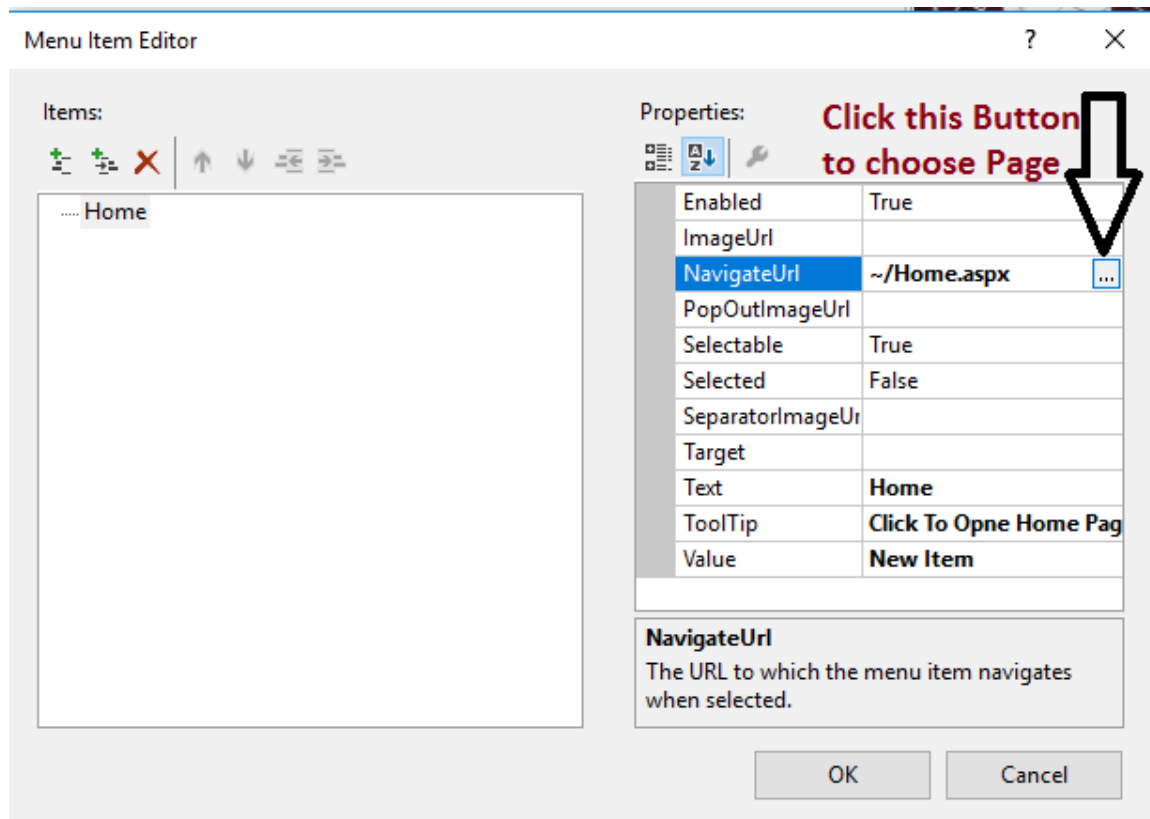


As you click on + sign, a New Item is added to Menu along with its Properties shown to the Right side of the same window as you can see in the above figure.

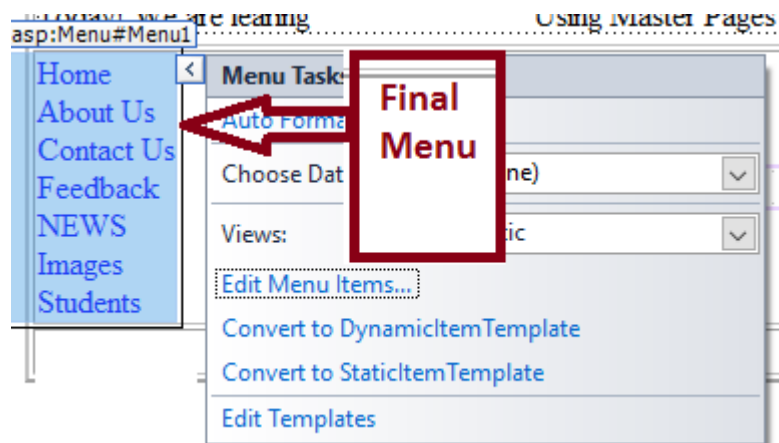
| Property Name      | Meaning/Description   |
|--------------------|---|
| <b>ImageURL</b>    | This property is used to choose the image to be displayed with the Menu Item Text                             |
| <b>NavigateURL</b> | This property is used to choose the Web Form to be displayed when the Menu Item is Clicked                    |
| <b>Text</b>        | This property is used to Enter the Text to be displayed as Text for the Web Form Reference                    |
| <b>ToolTip</b>     | This property is used to define the Text, which is displayed when the Mouse is hover over this Menu Item Text |

Drag the Menu Control to the first <TD> of the third <TR> of the above designed Master Page, you will see the following

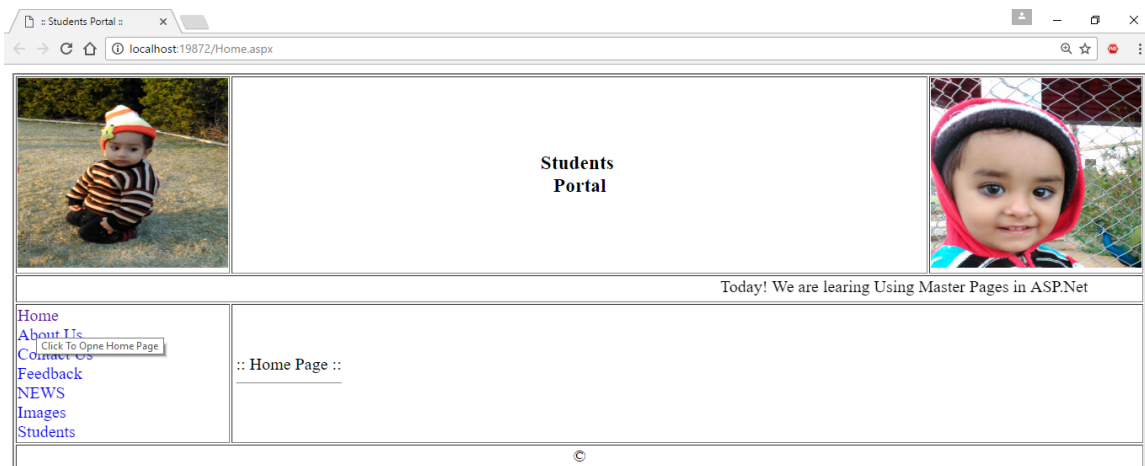
For Example, for the Home Web Form Properties are modified and are shown in the next figure



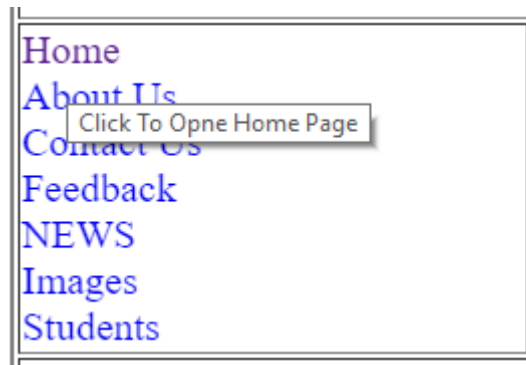
Similarly, add next **Menu Root Item** and specify the properties of each of the **Web Form**, so that your final **Menu Control** design look like this



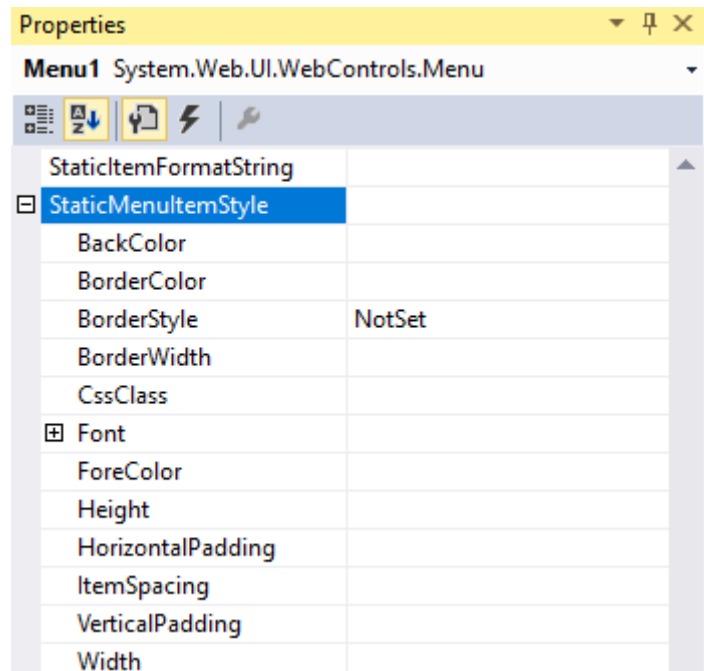
Save and Browse the Web Site. Result will be as shown



Menu is

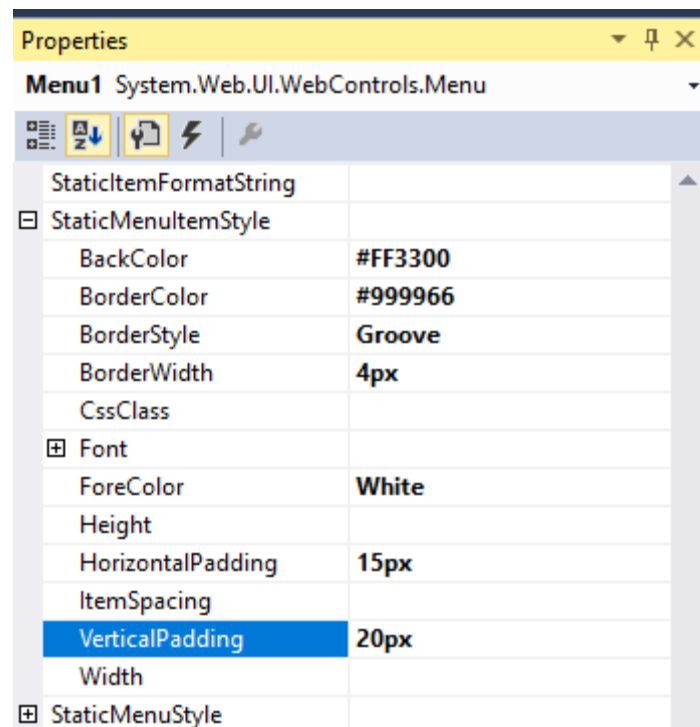


Next Step is to beautify the Menu. The Menu shown is a **Static Menu**. So there are some properties which are used to customize the look and feel of this Static Menu. These Properties are included:

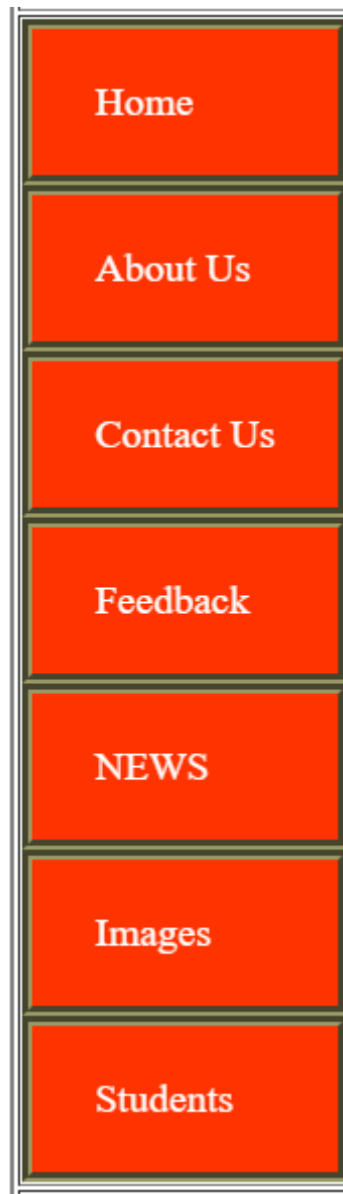


| Property Name            | Meaning/Description   |
|--------------------------|---|
| <b>BackColor</b>         | This property is used to choose the Back Color of the Static Menu             |
| <b>BorderColor</b>       | This property is used to choose the Border Color of the Static Menu Items     |
| <b>BorderStyle</b>       | This property define the Border style, which may be dotted, dashed etc        |
| <b>ForeColor</b>         | Define the Text Color for the Menu Item                                       |
| <b>HorizontalPadding</b> | This property is used to define the Horizontal Spacing between the Menu Items |
| <b>VerticalPadding</b>   | This property is used to define the Vertical Spacing between the Menu Items   |

The Property we specified for our Menu is shown here:



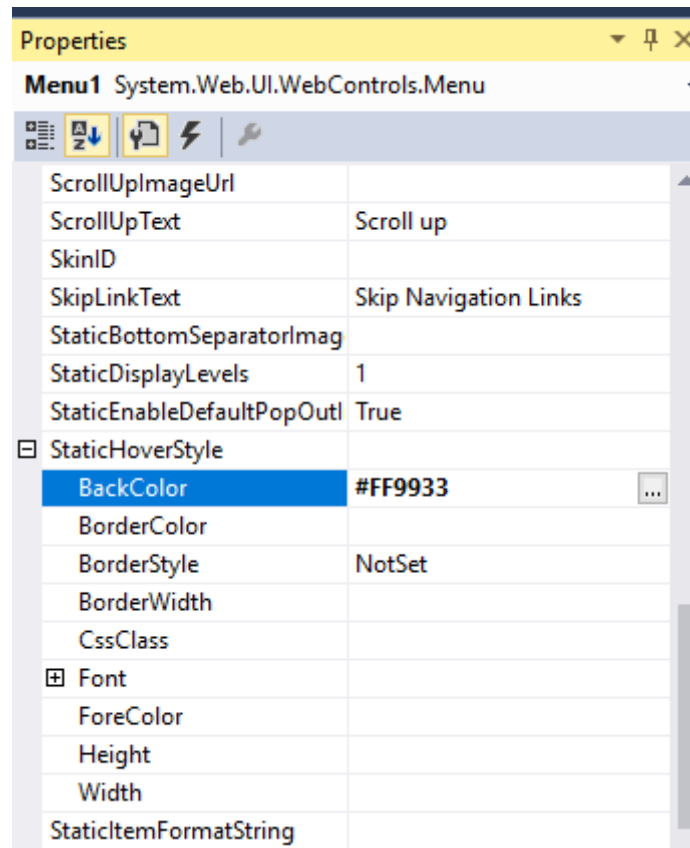
Save and Browse the Web Site. Your web site is



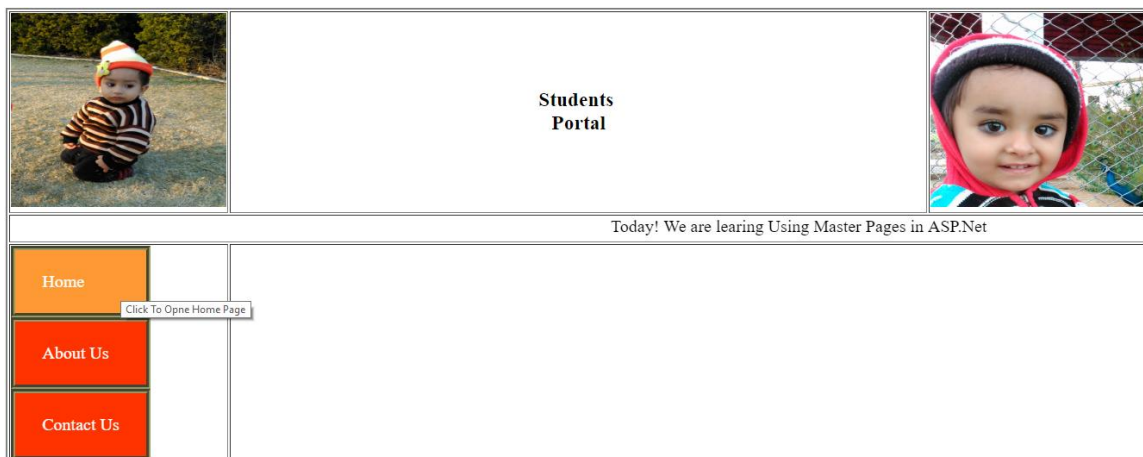
Next Property for Menu is **StaticHoverStyle**. This is shown here

|                        |        |
|------------------------|--------|
| [-] StaticHoverStyle   |        |
| BackColor              |        |
| BorderColor            |        |
| BorderStyle            | NotSet |
| BorderWidth            |        |
| CssClass               |        |
| [+] Font               |        |
| ForeColor              |        |
| Height                 |        |
| Width                  |        |
| StaticItemFormatString |        |

These properties show their effects when **Mouse Hover** the Menu at run time. Here, we just change the BackColor of the **StaticHoverStyle**.



Save and Browse the Web Site. Your web site is



When you hover on the Menu then the **BackColor** will be changed.

## 1.3 Adding Dynamic Menus to Master Pages

Add three Web Forms and Rename these Web Form to

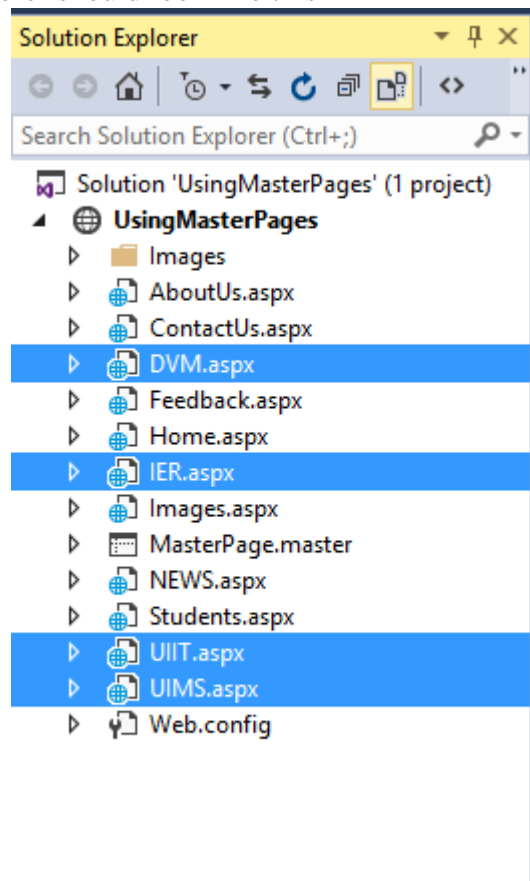
1 UIIT

2 UIMS

3 DVM

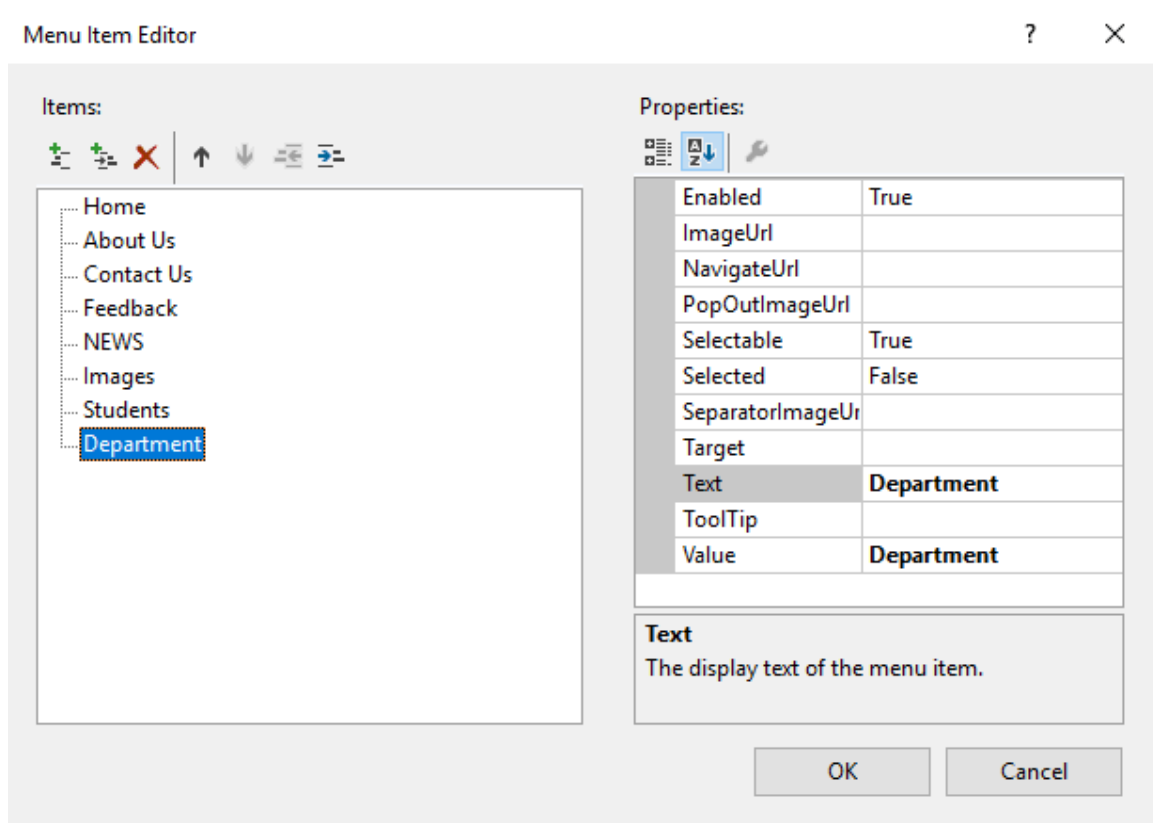
4 IER

Thus, your Solution Explorer should look like this

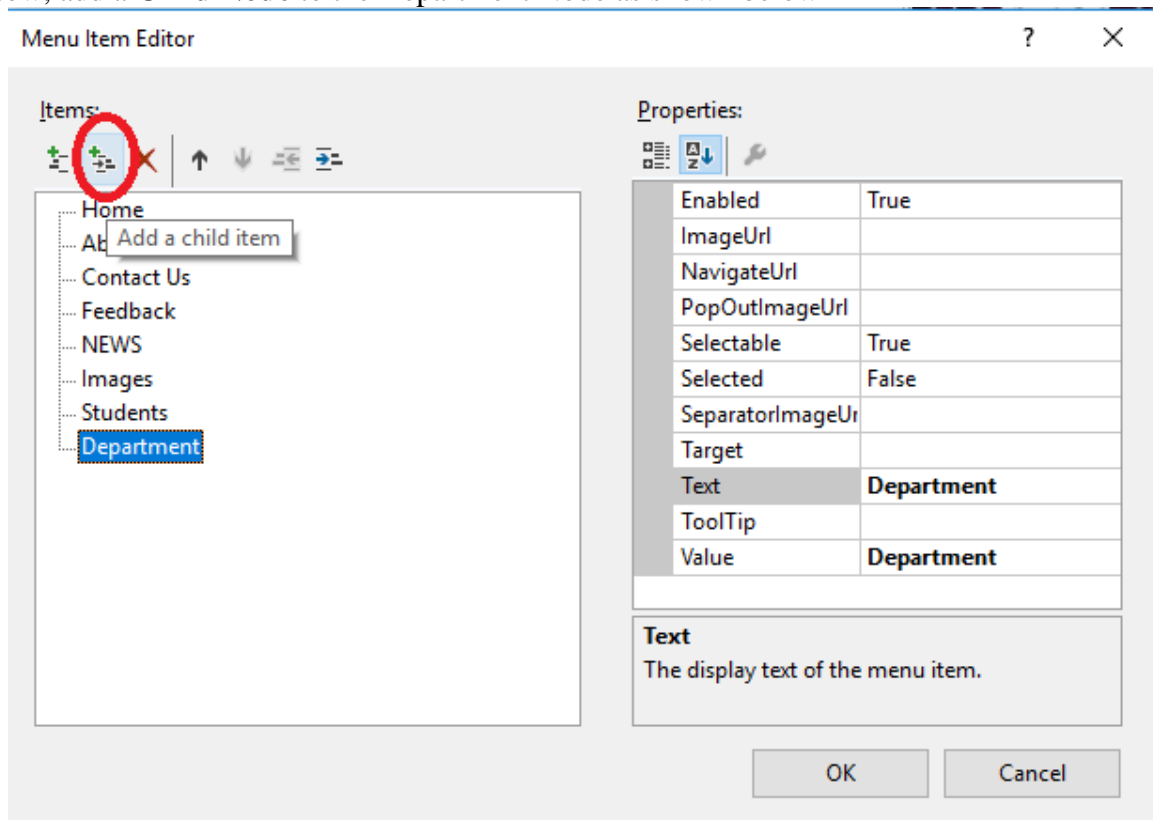


Again, Open the **Menu Item Editor** as we did in last few pages of this tutorial by Click on the Small Arrow on the Right Top Corner of the Menu and Choose Edit Menu Item option.

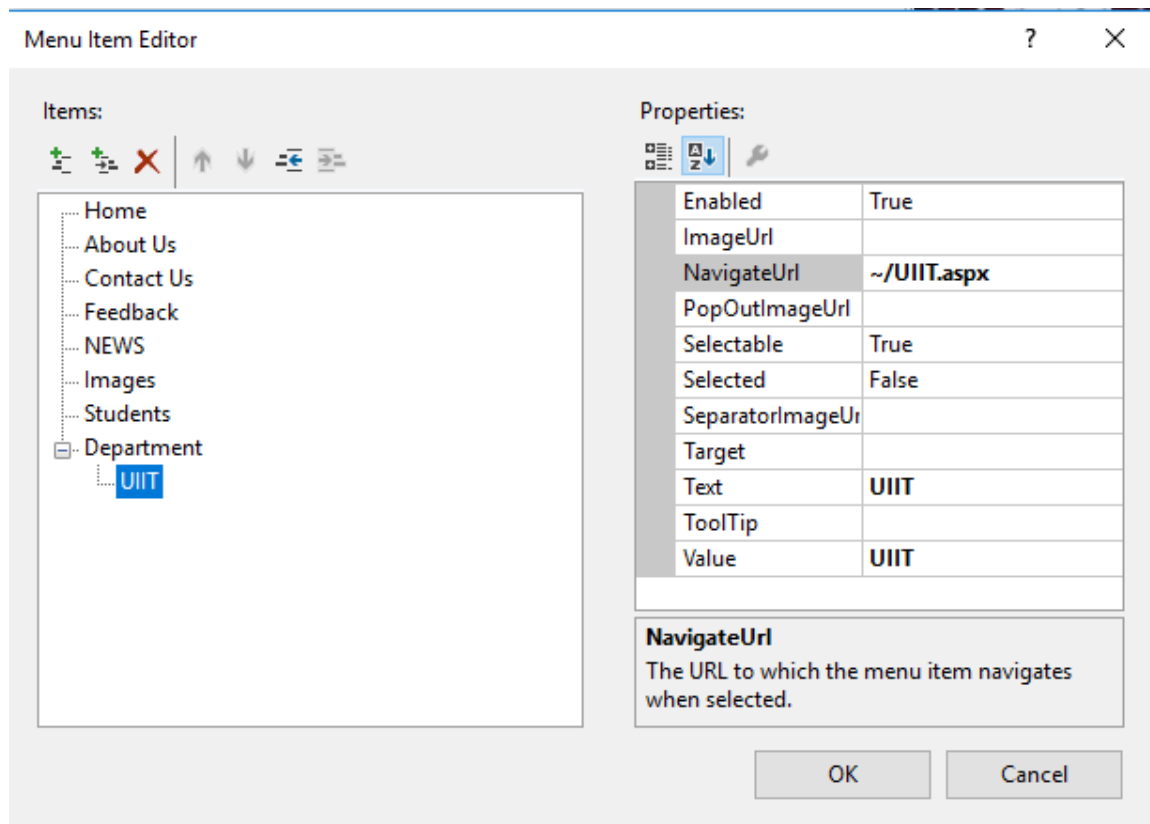




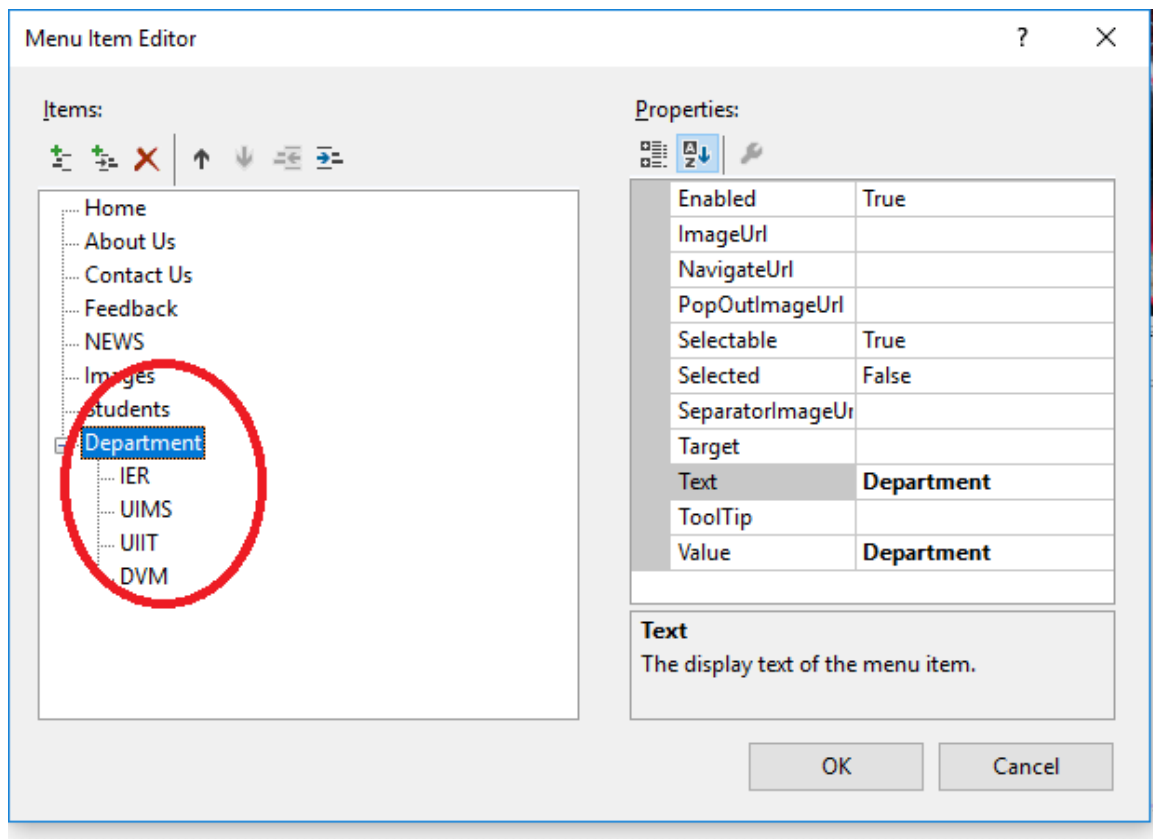
Now, add a **Child Node** to the Department Node as shown below



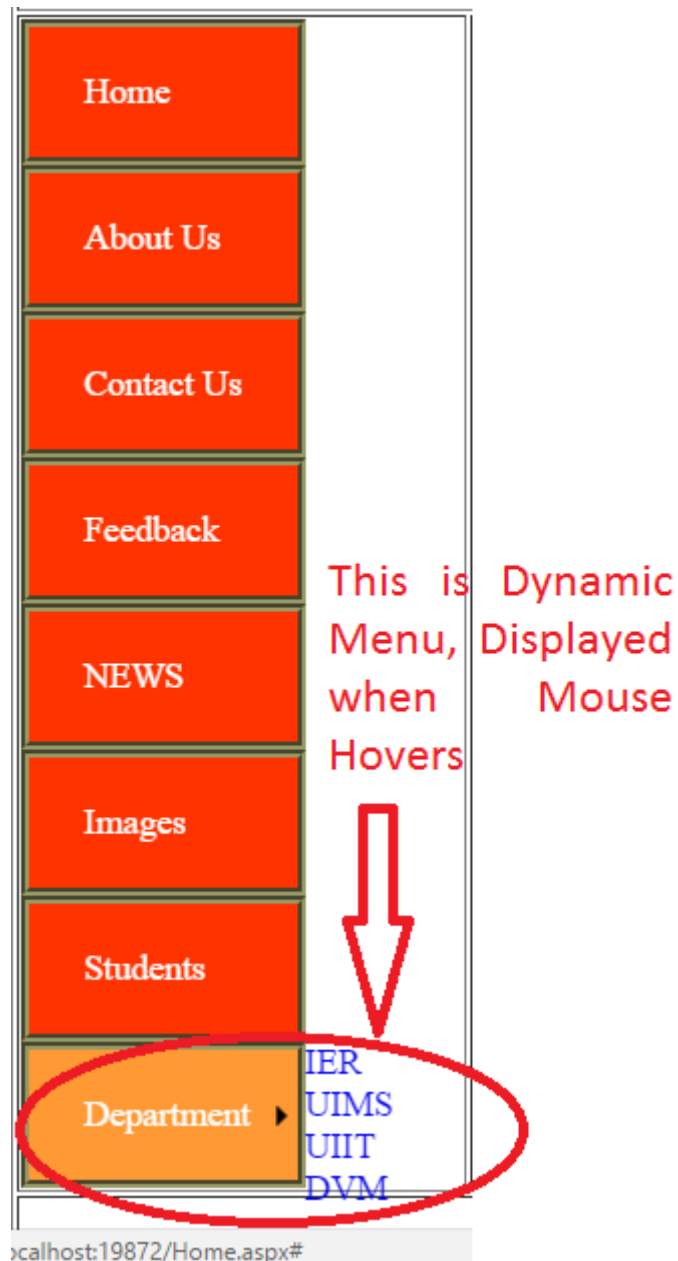
When you add a Child Item to the Root Item, ensure you have selected the Right Root Item otherwise Child Item will be misplaced. Click on the **Add a Child Item** to the **Department** Menu Item. Enter the Text for the Child Menu Item, Select the NavigateURL etc.



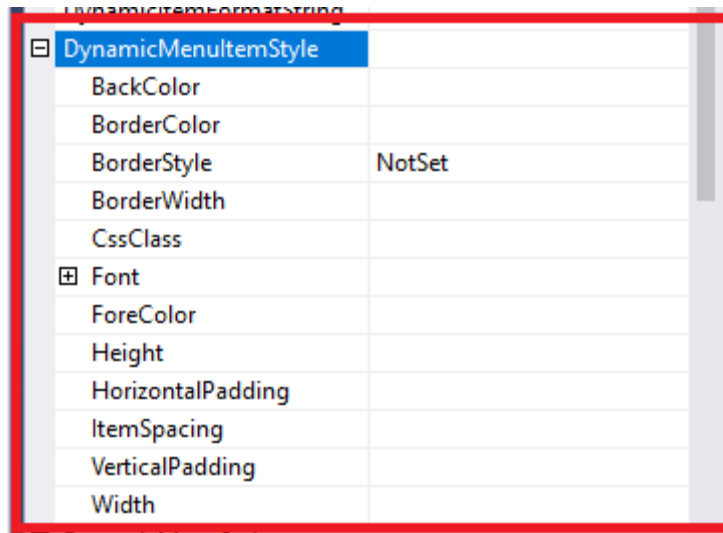
Repeat these Steps to add the other Child Menu Items. Thus finally, your Dynamic Menu will look like this



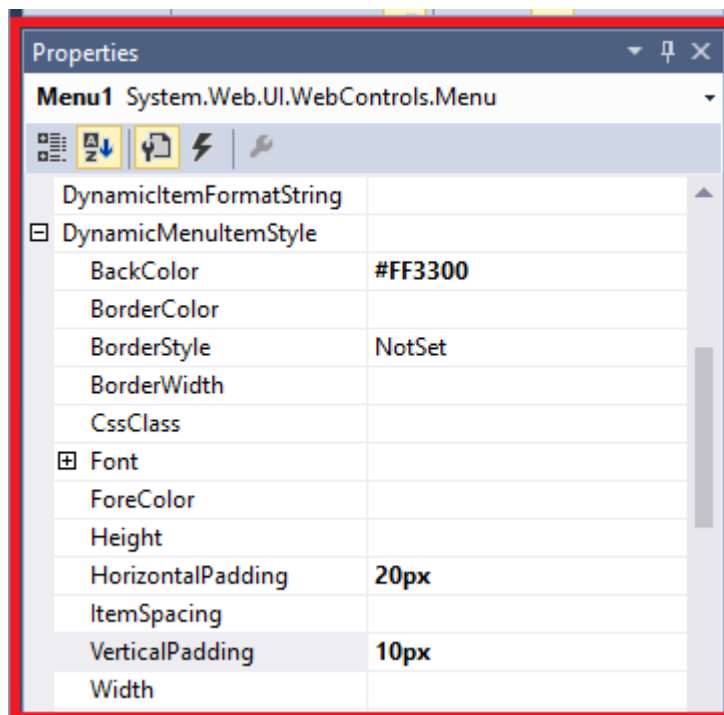
Save and Browse the Web Site. Your web site is



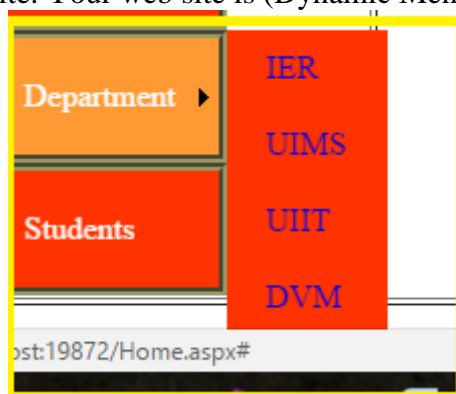
Just like Static Menu, Dynamic Menu also has properties. These Properties are shown here and these are listed under the Property Collection of DynamicMenuItemStyle as shown here. This snapshot is taken by Selecting the Menu and Opening its Property Windows



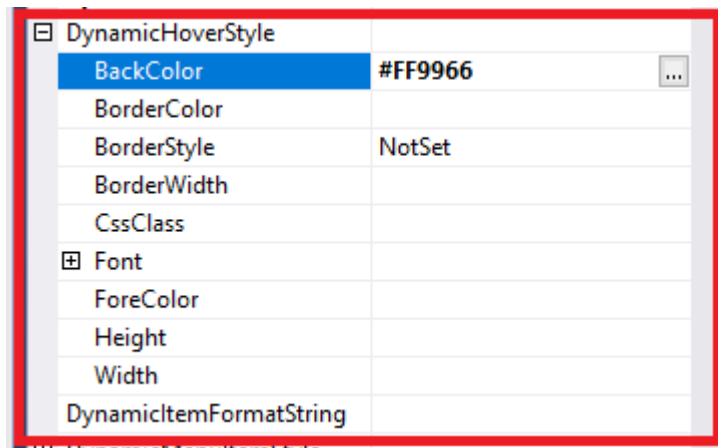
Now, update the Properties of this Dynamic Menu Item as shown here



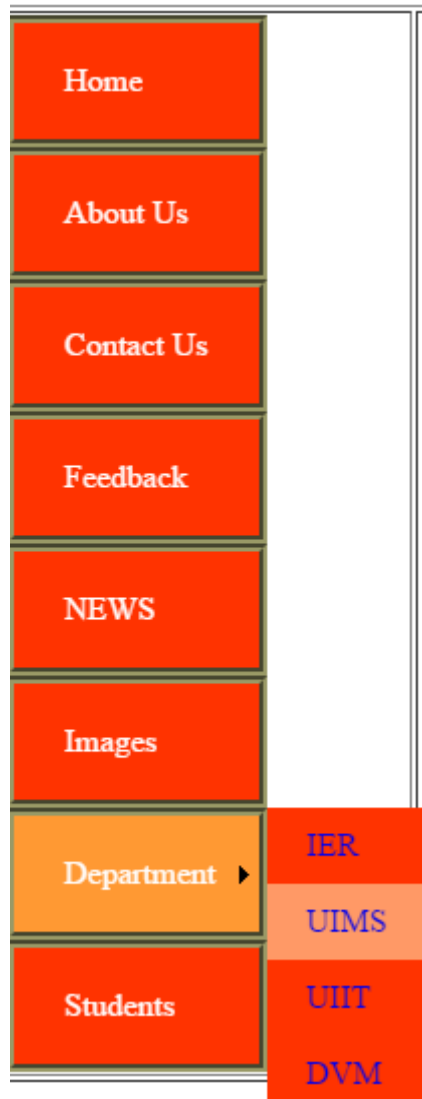
Save and Browse the Web Site. Your web site is (Dynamic Menu is shown)



Next Property for Menu is **DynamicHoverStyle**. This is shown here



These properties show their effects when **Mouse Hover** the Menu at run time. Here, we just change the BackColor of the **DynaicHoverStyle**. Save and Browse the Web Site. Your web site is



## **Congratulations! You have successfully Applied the Static and Dynamic Menu on Master Pages**

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