

2011



USER GUIDE

User Controls

Let's add a custom page to our *Web Site Factory* application. Open *Code On Time Generator*, click on the project name, and press *Design*. Switch to the *All Pages* tab. On the action bar, press *New | New Page*.

The screenshot shows the 'Project Designer' window with the 'All Pages' tab selected. A table lists application pages with columns for Name, Title, Path, Style, and Roles. A 'New Page' tooltip is visible over the table, indicating the action to create a new page.

Name	Title	Path	Style	Roles
Home	Start	Home	Home	n/a
Customers	1010 Customers	Customers	Generic	n/a
Orders	1020 Orders	Customers Orders	Generic	n/a
CustomerCustomerDemo	1030 Customer Demo	Customers Customer Demo	Generic	n/a
OrderDetails	1040 Order Details	Customers Order Details	Generic	n/a
Employees	1050 Employees	Employees	Generic	n/a
EmployeeTerritories	1060 Employee Territories	Employees Employee Territories	Generic	n/a
Categories	1070 Categories	Categories	Generic	n/a
Products	1080 Products	Categories Products	Generic	n/a
CustomerDemographics	1090 Customer Demographics	Customer Demographics	Generic	n/a

Items per page: 10, 25, 50, 100 | Showing 1-10 of 32 items | Refresh

All customized project settings are stored in *.Log.xml files located in the root of your project folder.

The *Name*, *Title*, and *Path* properties will be "Test". *Description* will be "This is a test page". *Style* will be "Categories", and *About This Page* will be "This page will host several user controls."

The screenshot shows the 'New Page' configuration dialog box. The 'General' tab is active, showing fields for Name, Index, and External Url. The 'Presentation' tab is also visible, showing fields for Title, Path, Description, Style, Custom Style, and About This Page.

General

Name and index of the page. The address of the generated ASP.NET page is `~/Pages/Name.aspx` where **Name** is the specified name.

Use *External Url* to create a menu link to an external web site. No physical application page is generate if *External Url* is not blank.

If *External Url* is equal to `about:blank` then a site map node without a Url is created.

Presentation

Page title is displayed in the title of the browser window.

Use symbol "|" in the page path to define a multi-level menu option that selects the page. Make sure that any segment of the path is matched to a path of an existing page that has an index less then the index of this page.

If *Path* is left blank then there will be no menu option to access the page.

Page description is displayed as a tool tip of the corresponding menu option.

Custom style is one or more CSS classes. Use *Wide* as custom style to eliminate the side bar on the page.

The page will feature *About* box on the side bar if specified.

Name: Test

Index:

External Url:

Title: Test

Path: Test

Description: This is a test page

Style: Categories

Custom Style:

About This Page: This page will hose several user controls.

This page shows up at the top of the list of pages, because no *Index* was set for the page. Edit the record in-place and change *Index* to “1005”. When saved, the page will move to second place in the list.

All Controllers All Commands All Fields All Views All Data Fields All Pages All User Controls					
This is a list of application pages.					
Quick Find <input type="text"/> New ▾					View: Pages ▾
Name	Index	Title	Path	Style	Roles
Home	1000	Start	Home	Home	n/a
Test	1005	Test	Test	Categories	*
Customers	1010	Customers	Customers	Generic	n/a
Orders	1020	Orders	Customers Orders	Generic	n/a
CustomerCustomerDemo	1030	Customer Demo	Customers Customer Demo	Generic	n/a
OrderDetails	1040	Order Details	Customers Order Details	Generic	n/a
Employees	1050	Employees	Employees	Generic	n/a
EmployeeTerritories	1060	Employee Territories	Employees Employee Territories	Generic	n/a
Categories	1070	Categories	Categories	Generic	n/a
Products	1080	Products	Categories Products	Generic	n/a

« Previous | Page: 1 2 3 4 | Next » Items per page: 10, 25, 50, 100 | Showing 1-10 of 33 items | Refresh

Select the *Test* page from the list and switch to the *Containers* tab. Let us add several containers to the page. Containers are placeholders for user controls in your application. Create a new container by pressing *New | New Container*. Give this container a *Width* of “33%”.

Project Designer
exit

Home > Page: Test

Page Containers Data Views Controls

Please fill this form and click OK button to create a new container record. Click Cancel to return to the previous screen.

View: **New Container** ▾

General

A container can host multiple data views and user controls. At least one container must be declared for each page.

Specify container flow rule and optional width.

Optional container width must be expressed as a percent of the total page width or as an exact width in pixels. The examples of width are *40%* and *300px*.

Id
N/A

Flow *
New Row ▾

Width

CSS Class Name

CSS Style Properties

* - indicates a required field

OK Cancel

Create another container, with *Flow* of “New Column”, with *Width* of “200px”.

General

A container can host multiple data views and user controls. At least one container must be declared for each page.

Specify container flow rule and optional width.

Optional container width must be expressed as a percent of the total page width or as an exact width in pixels. The examples of width are *40%* and *300px*.

Id
N/A

Flow *
New Column ▾

Width

The next container will have *Flow* of “New Column” and an empty *Width*. This way, the container will take up any space not used by the other two containers.

General A container can host multiple data views and user controls. At least one container must be declared for each page. Specify container flow rule and optional width. Optional container width must be expressed as a percent of the total page width or as an exact width in pixels. The examples of width are <i>40%</i> and <i>300px</i> .	Id N/A Flow * New Column Width <input type="text"/>
--	--

The last container, with *Flow* of “New Row”, will create another row below the previous containers.

General A container can host multiple data views and user controls. At least one container must be declared for each page. Specify container flow rule and optional width. Optional container width must be expressed as a percent of the total page width or as an exact width in pixels. The examples of width are <i>40%</i> and <i>300px</i> .	Id N/A Flow * New Row Width <input type="text"/>
--	---

Now, switch to the *Controls* tab. Controls bind user controls to specific containers. On the action bar, press *New / New Control*. We will also need to make some new user controls, so press the *New User Control* icon next to the *User Control* field. This will have *Name* of “TopLeft”, and *Generate* of “First Time Only”. Press *Ok* to insert the new user control into the field.

General Name and code generation conditions of the user control.	Name * TopLeft Prefix * uc Generate * First Time Only
--	--

For the control, specify *Container* as “c100”, and save.

General Page, container, and id of the control.	Id N/A Container * c100 User Control * TopLeft
---	---

Now create a new control. Press the *New User Control* icon next to the *User Control* field again. Give this new user control the *Name* of “TopCenter”, and press *Ok* to insert into the field.

The screenshot shows a dialog box titled "New User Control" with a close button (X) in the top right corner. Below the title bar, there is a message: "Please fill this form and click OK button to create a new user control. Click Cancel to return to the previous screen." The dialog is divided into two main sections. The left section is titled "General" and contains the text "Name and code generation conditions of the user control." The right section contains three fields: "Name *" with the value "TopCenter", "Prefix *" with the value "uc", and "Generate *" with a dropdown menu set to "First Time Only". At the bottom left, there is a note: "* - indicates a required field". At the bottom right, there are two buttons: "OK" and "Cancel".

Specify *Container* as “c101” and save.

The screenshot shows the "Controls" tab in the application. At the top, there are tabs for "Page", "Containers", "Data Views", and "Controls". Below the tabs, there is a message: "Please fill this form and click OK button to create a new control. Click Cancel to return to the previous screen." The "View:" dropdown is set to "New Control". The "General" section contains the text "Page, container, and id of the control." The "Id" field is set to "N/A". The "Container *" field is set to "c101" with a pencil icon. The "User Control *" field is set to "TopCenter" with a pencil icon and a plus icon.

Create a new control, and press the *New User Control* icon. This user control will have the *Name* of “TopRight”. Press *Ok* to insert.

The screenshot shows a dialog box titled "New User Control" with a close button (X) in the top right corner. Below the title bar, there is a message: "Please fill this form and click OK button to create a new user control. Click Cancel to return to the previous screen." The dialog is divided into two main sections. The left section is titled "General" and contains the text "Name and code generation conditions of the user control." The right section contains three fields: "Name *" with the value "TopRight", "Prefix *" with the value "uc", and "Generate *" with a dropdown menu set to "First Time Only". At the bottom left, there is a note: "* - indicates a required field". At the bottom right, there are two buttons: "OK" and "Cancel".

The control will have *Container* of “c102” .

The screenshot shows the "Controls" tab in the application. At the top, there are tabs for "Page", "Containers", "Data Views", and "Controls". Below the tabs, there is a message: "Please fill this form and click OK button to create a new control. Click Cancel to return to the previous screen." The "View:" dropdown is set to "New Control". The "General" section contains the text "Page, container, and id of the control." The "Id" field is set to "N/A". The "Container *" field is set to "c102" with a pencil icon. The "User Control *" field is set to "TopRight" with a pencil icon and a plus icon.

Create one last control, and press the *New User Control* icon again. This *User Control* will have the name of “CustomerList”. Press *Ok* to insert.

New User Control

Please fill this form and click OK button to create a new user control. Click Cancel to return to the previous screen.

General
Name and code generation conditions of the user control.

Name *
CustomerList

Prefix *
uc

Generate *
First Time Only

* - indicates a required field

OK Cancel

For the control, specify *Container* of “c103”, and save.

General
Page, container, and id of the control.

Id
N/A

Container *
c103

User Control *
CustomerList

Exit the *Designer*, and regenerate the application. When generation finishes, a web page will open with the modified application. Navigate to the *Test* page. You will see a logo in the top left, corresponding to the *Categories* style that was selected for the page. The *About* box contains text that was specified during the creation of the page. In the center of the page, you can see two rows of containers, with the respective user controls in each container.

History | Permalink Welcome admin, Today is Thursday, January 06, 2011 | My Account | Logout | Help

MyCompany

Home Test Customers Employees Categories Customer Demographics Region Reports Membership Site Actions

Home > Test

Test

uc:TopLeft uc:TopCenter uc:TopRight

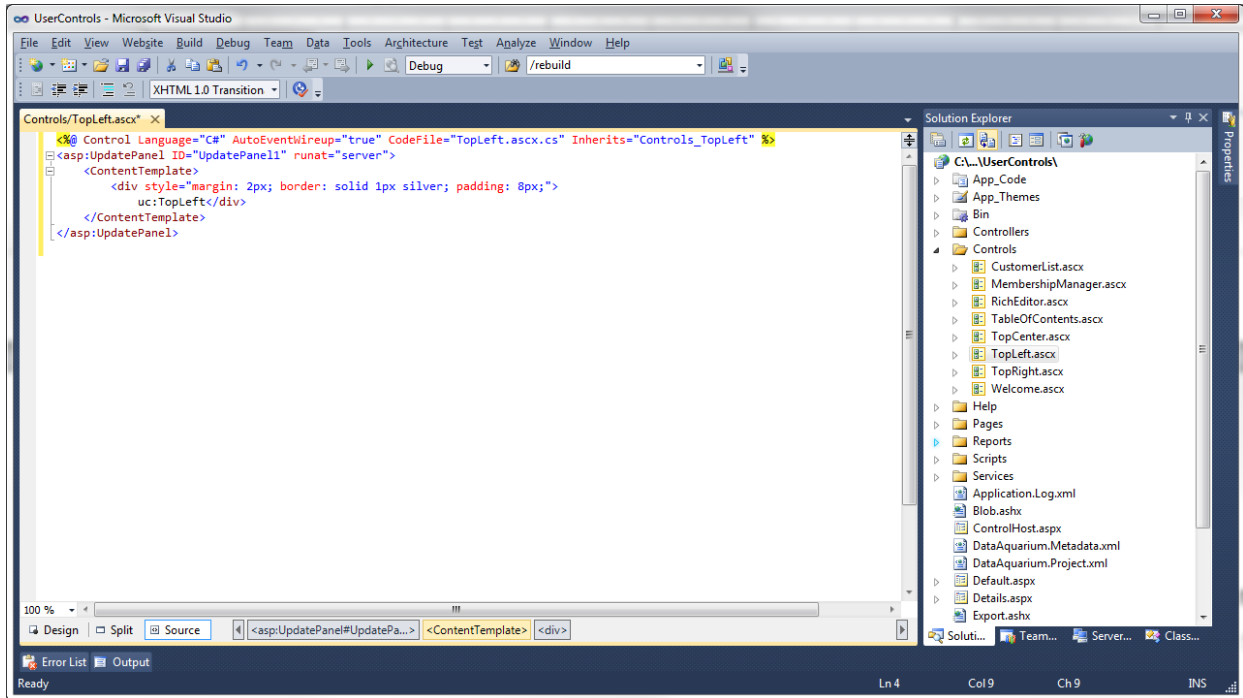
uc:CustomerList

About
This page will hose several user controls.

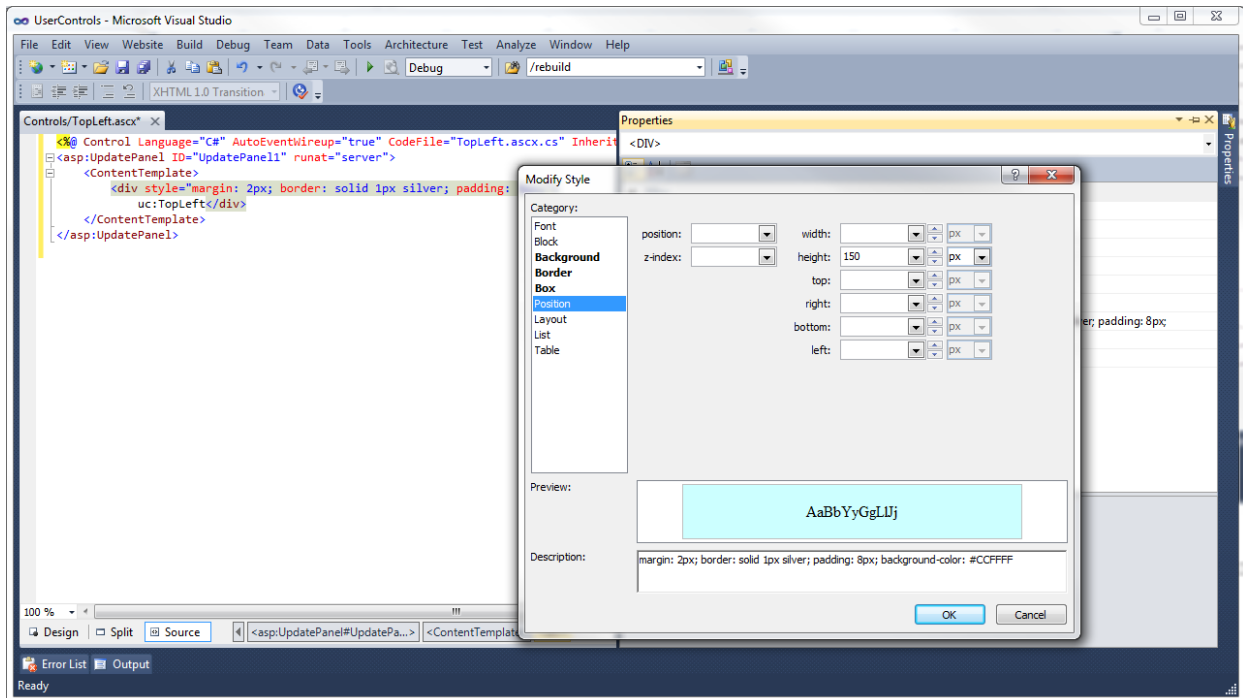
See Also

- Home
- Customers
- Employees
- Categories
- Customer Demographics
- Region
- Reports

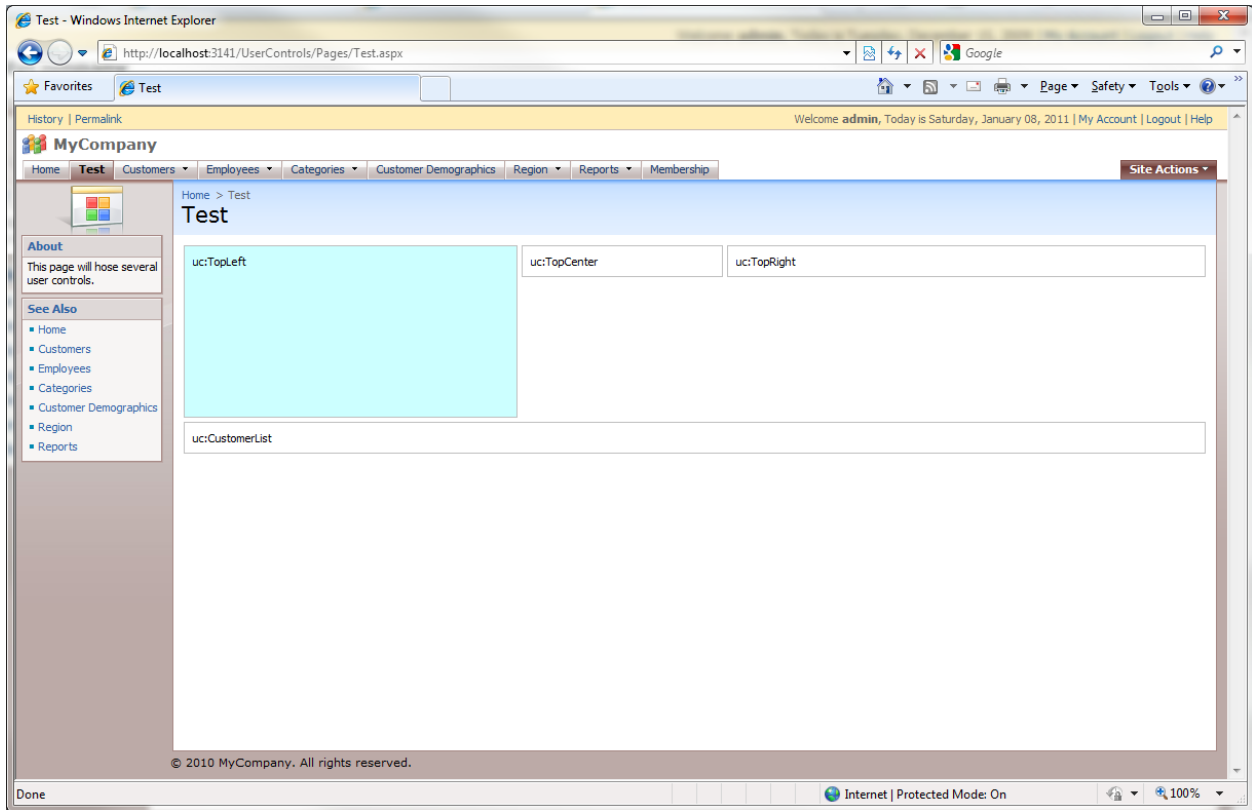
Let's make some changes to these user controls. Open the project in *Visual Studio* and navigate to *Controls/TopLeft.ascx*. If you format the document, you can see that there is a *div* with some styling.



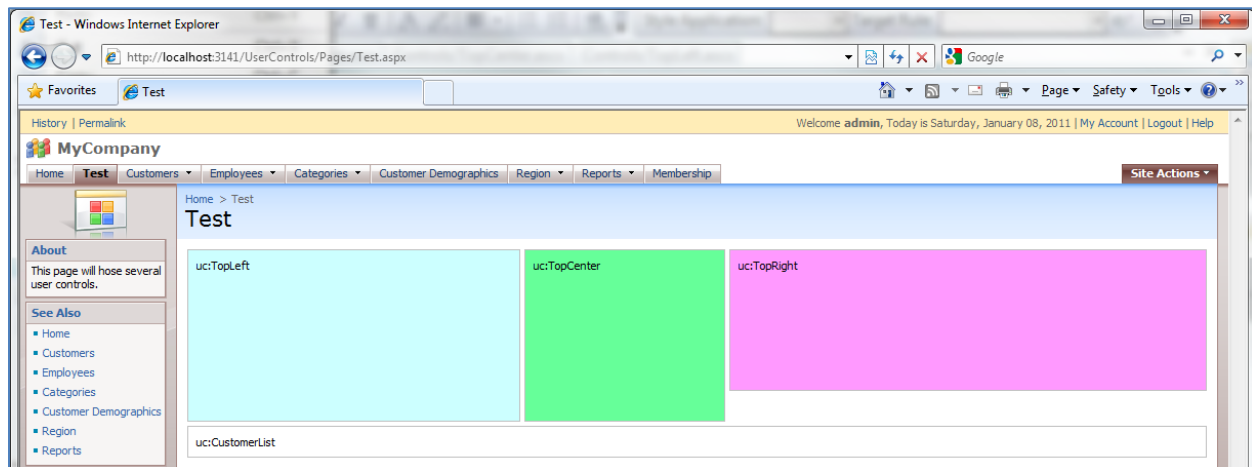
View the *Properties*, and edit the style. Change background color to light blue. Under *Position*, specify a height of "150px".



Save the file, and refresh the web page. You can see the background color is now different, and the height is now the specified 150px.



Now, change the background colors for *TopCenter.ascx* and *TopRight.ascx*. This can be anything you like. Specify *Height* as "150px" for *TopCenter.ascx* and "120px" for *TopRight.ascx*. Save the files, and refresh the application. The result is displayed below.

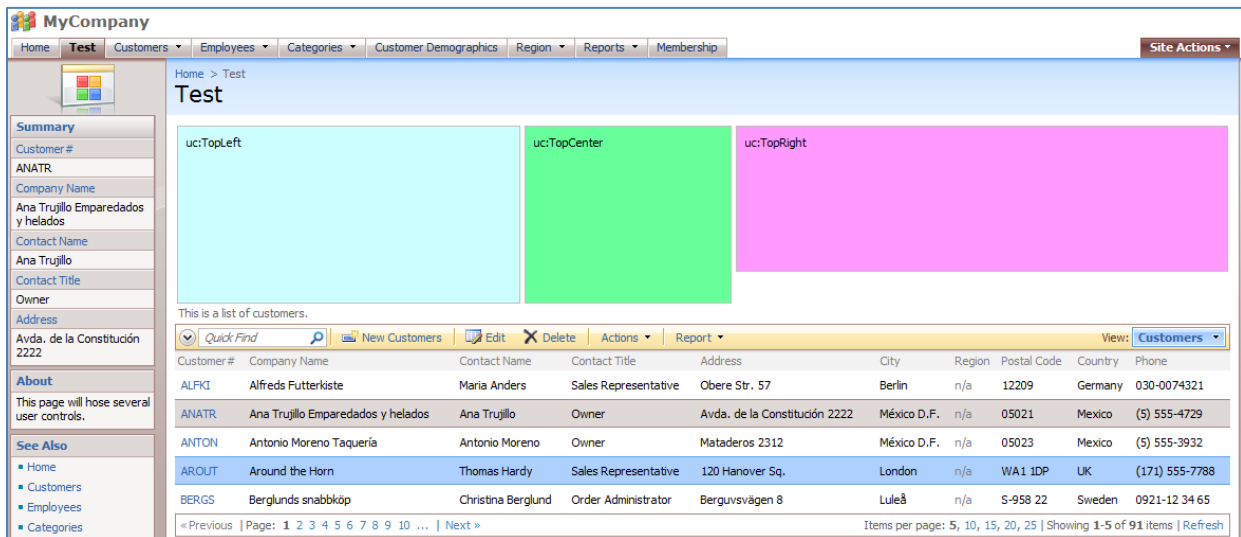


You can populate these controls with any content that you want, from text, to standard or commercial ASP.NET controls. The last control, *CustomerList.ascx*, will host a list of customers. Open the control in

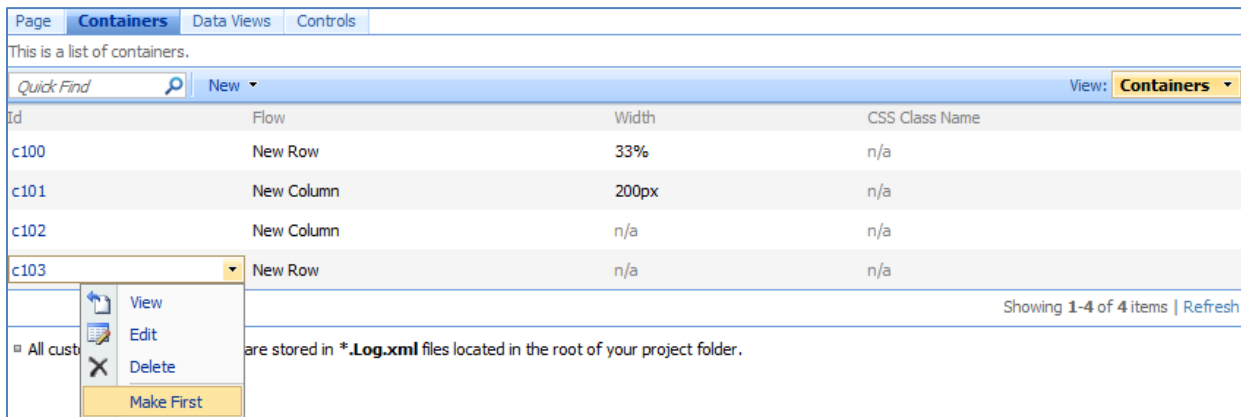
Visual Studio, format, and delete the *div* that is present. Type in the code presented below, which will describe *div* with *id* of "Customers", and a *DataViewExtender* that displays *Customers* grid.

```
<asp:UpdatePanel ID="UpdatePanel1" runat="server">
  <ContentTemplate>
    <div id="Customers" runat="server">
    </div>
    <aquarium:DataViewExtender ID="dve1" runat="server" Controller="Customers"
      TargetControlID="Customers" PageSize="5" ShowInSummary="true" />
  </ContentTemplate>
</asp:UpdatePanel>
```

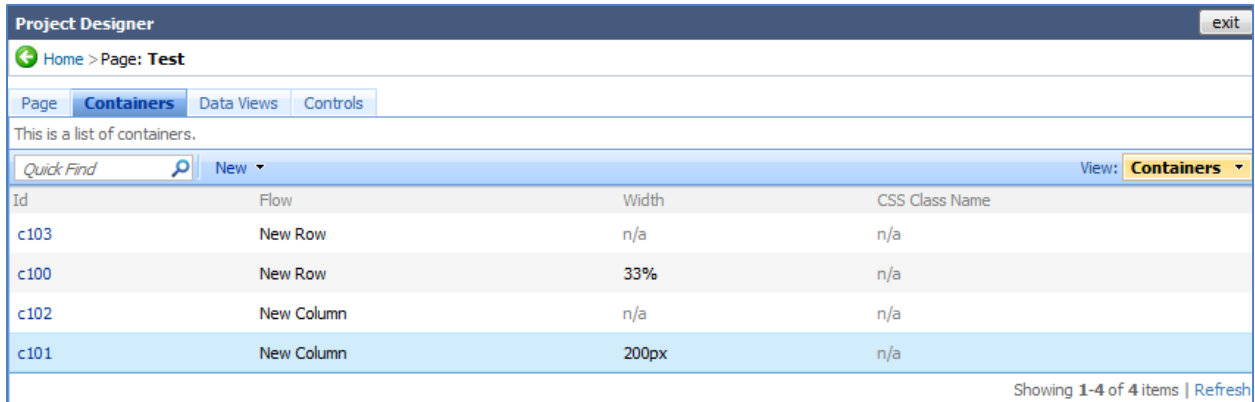
Save the file, and refresh the web page. You can see that now we have a list of customers at the bottom of the page. If you click on a record, the summary will display the selected record. When you click on the record, the details of the record will be displayed. If you scroll down the page, the summary will stay fixed in the top left corner.



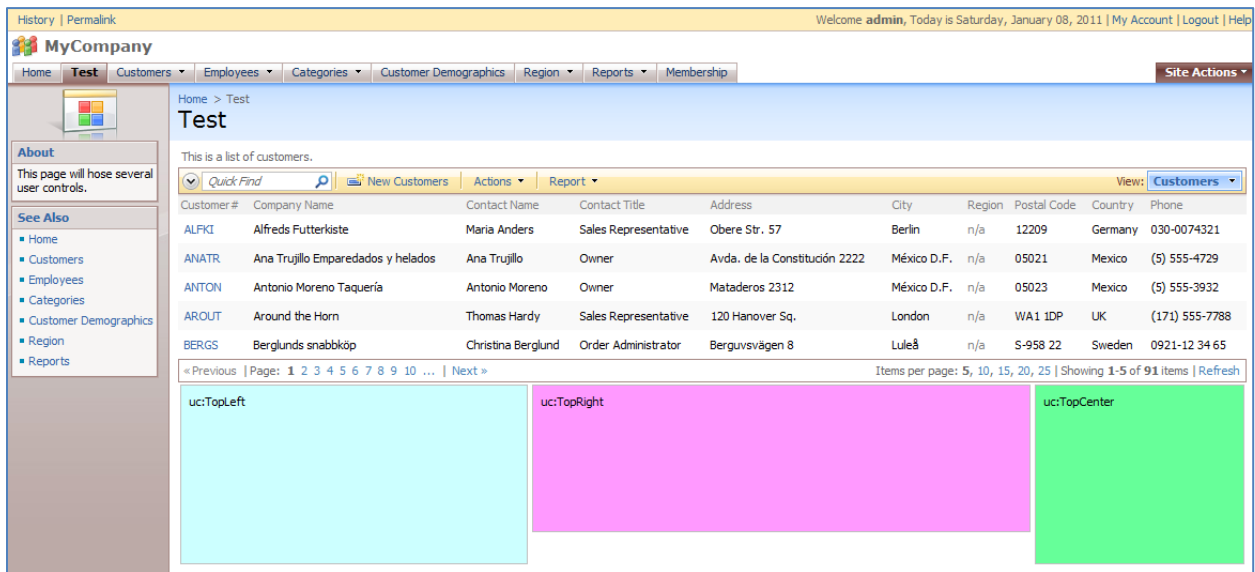
Now, let's customize the page layout. We will move the customer list to the top, and switch the green and pink containers. Go back to the designer, switch to *All Pages*, select the *Test* page, and switch to the *Containers* tab. Using the dropdown menu next to *c103*, select *Make First*.



Now, use the dropdown list next to *c101* and press *Make Last*. This will properly rearrange the items on the page.



Close the *Designer* and regenerate the application. When the page opens, navigate to *Test* page, and you will see the proper results.



If you resize the page, the containers will continue to take up the available space, per the settings specified earlier.