The following is a step-by-step tutorial shows how to create a custom control that displays users and implements the **IUniPageable** interface. This allows the control to be paged by the UniPager.

1. Create a new **Web User Control** in your web project (the example uses the name *UniPageable_Repeater.ascx*).
2. Add the following markup to the user control:

```
<asp:Repeater ID="Repeater1" runat="server">

        <ItemTemplate>

    <div>
            <%# Eval("UserName") %>
    </div>

    </ItemTemplate>

</asp:Repeater>
```

> This adds a standard .NET Repeater control that will be used to display user names.

3. Switch to the code behind of the control and add the following code.

> **Note**: The name of the class must match the name and location of your web user control.

```
using CMS.DocumentEngine.Web.UI;
using CMS.Membership;

public partial class IUniPageableExample_UniPageable_Repeater : System.Web.UI.
UserControl, IUniPageable
{
    // Private variable containing the value of the PagerForceNumberOfResults
property
    private int mPagerForceNumberOfResults = -1;

    // Private variable used to contain the data source of the control
    private object dataSource = null;

        // Private variable storing the associated UniPager object
        private UniPager mUniPagerControl = null;

        protected void Page_Load(object sender, EventArgs e)
    {
        // Loads all users from the database into the data source
        dataSource = UserInfoProvider.GetUsers();

        // Calls the page binding event
        if (OnPageBinding != null)
        {
            OnPageBinding(this, null);
        }

        // Assigns the data source to the encapsulated Repeater control
        Repeater1.DataSource = dataSource;
        Repeater1.DataBind();
    }
```

```
    /// <summary>
    /// Occurs when the control binds page data
    /// </summary>
    public event EventHandler<EventArgs> OnPageBinding;

    /// <summary>
    /// Occurs when the pager changes the page and the current PagerMode is set to
postback
    /// </summary>
    public event EventHandler<EventArgs> OnPageChanged;

    /// <summary>
    /// Exposes the data object for the pager
    /// </summary>
    public object PagerDataItem
    {
        get
        {
            return dataSource;
        }
        set
        {
            dataSource = value;
            Repeater1.DataSource = value;
        }
    }

    /// <summary>
    /// If set, the DataSet containing paged items is not modified by the pager,
    /// but the pager itself behaves as if the amount of paged items were identical
to this value.
    /// By default this property is disabled (set to -1)
    /// </summary>
    public int PagerForceNumberOfResults
    {
        get
        {
            return mPagerForceNumberOfResults;
        }
        set
        {
            mPagerForceNumberOfResults = value;
        }
    }

        /// <summary>
    /// Gets or sets the pager control.
    /// </summary>
        public UniPager UniPagerControl
    {
        get
        {
            return mUniPagerControl;
        }
        set
        {
            mUniPagerControl = value;
        }
    }
```

```
        /// <summary>
    /// Evokes databinding for the control
    /// </summary>
    public void ReBind()
    {
        if (OnPageChanged != null)
        {
            OnPageChanged(this, null);
        }
        Repeater1.DataBind();
    }
}
```

4. Save the user control's files.
    - The control now implements the *IUniPageable* interface and is pageable by the *UniPager* control.
5. Create a new **Web form** somewhere in your web project.
6. Register your custom control on the web form:

```
<%@ Register src="~/IUniPageableExample/UniPageable_Repeater.ascx" tagname="
UniPageableRepeater" tagprefix="asp1" %>
```

7. Add the following code into the content area of the page (by default between the ** ** tags inside the **<form>** element):

```
<asp1:UniPageableRepeater ID="UPRepeater1" runat="server" />

<cms:UniPager ID="UniPager1" runat="server" PageControl="UPRepeater1" PageSize="5">

        <PageNumbersTemplate>
            <a href="<%# Eval("PageURL") %>"><%# Eval("Page") %></a>
        </PageNumbersTemplate>

</cms:UniPager>
```

8. Save the web form.
9. Right-click the web form in the Solution explorer and select **View in Browser**.

The resulting page displays a list of user names with a basic pager: