

UpDown Derived

```
/*
Professional Windows GUI Programming Using C#
by Jay Glynn, Csaba Torok, Richard Conway, Wahid Choudhury,
Zach Greenvoss, Shripad Kulkarni, Neil Whitlow
```

Publisher: Peer Information

ISBN: 1861007663

*/

```
using System;
using System.Drawing;
using System.Collections;
using System.ComponentModel;
using System.Windows.Forms;
using System.Data;
```

```
namespace UpDown_Derived
```

```
{
```

```
///
```

```
/// Summary description for UpDownDerived.
```

```
///
```

```
public class UpDownDerived : System.Windows.Forms.Form
```

```
{
```

```
///
```

```
/// Required designer variable.
```

```
///
```

```
private System.ComponentModel.Container components = null;
```

```
private System.Windows.Forms.Label label1;
```

```
private MyUpDownControl mDC = null ;
```

```
public UpDownDerived()
```

```
{
```

```
//
```

```
// Required for Windows Form Designer support
```

```
//  
InitializeComponent();  
  
//  
// TODO: Add any constructor code after InitializeComponent  
call  
//  
}  
  
///  
  
/// Clean up any resources being used.  
///  
protected override void Dispose( bool disposing )  
{  
if( disposing )  
{  
if (components != null)  
{  
components.Dispose();  
}  
}  
base.Dispose( disposing );  
}  
  
#region Windows Form Designer generated code  
///  
  
/// Required method for Designer support – do not modify  
/// the contents of this method with the code editor.  
///  
private void InitializeComponent()  
{  
this.mDC = new UpDown_Derived.MyUpDownControl();  
this.label1 = new System.Windows.Forms.Label();  
this.SuspendLayout();  
//  
// mDC  
//
```

```
this.mDC.Items.Add("FRANCE");
this.mDC.Items.Add("ITALY");
this.mDC.Items.Add("USA");
this.mDC.Items.Add("UK");
this.mDC.Items.Add("AUSTRALIA");
this.mDC.Items.Add("INDIA");
this.mDC.Items.Add("ZAMBIA");
this.mDC.Items.Add("MALASYIA");
this.mDC.Location = new System.Drawing.Point(40, 40);
this.mDC.Name = "mDC";
this.mDC.TabIndex = 0;
//
// label1
//
this.label1.Location = new System.Drawing.Point(16, 16);
this.label1.Name = "label1";
this.label1.Size = new System.Drawing.Size(200, 16);
this.label1.TabIndex = 1;
this.label1.Text = "Derived DomainUpDown Controller";
//
// UpDownDerived
//
this.AutoScaleBaseSize = new System.Drawing.Size(5, 13);
this.ClientSize = new System.Drawing.Size(248, 85);
this.Controls.AddRange(new System.Windows.Forms.Control[] {
this.label1,
this.mDC});
this.Name = "UpDownDerived";
this.Text = "My Domain Controller";
this.Load += new System.EventHandler(this.UpDownDerived_Load);
this.ResumeLayout(false);
}

#endregion

///
/// The main entry point for the application.

```

```
///  
[STAThread]  
static void Main()  
{  
Application.Run(new UpDownDerived());  
}  
  
private void UpDownDerived_Load(object sender,  
System.EventArgs e)  
{  
}  
}  
}  
///  
/// Summary description for MyUpDownControl.  
///  
public class MyUpDownControl :  
System.Windows.Forms.DomainUpDown  
{  
private int currentPos =0;  
private string DisplayText ="";  
public MyUpDownControl()  
{  
// Populate the control with items  
Items.Add("FRANCE");  
Items.Add("ITALY");  
Items.Add("USA");  
Items.Add("UK");  
Items.Add("AUSTRALIA");  
Items.Add("INDIA");  
Items.Add("ZAMBIA");  
Items.Add("MALASYIA");  
}  
  
public override void DownButton()  
{  
// Check if the Down Arrow is clicked
```

```
currentPos++;
if ( currentPos >= Items.Count )
currentPos = 0 ;
UpdateEditText();
}

public override void UpButton()
{
// Check if the Up Arrow is clicked
currentPos - ;
if ( currentPos < 0 ) currentPos = Items.Count-1 ;
UpdateEditText(); } protected override void UpdateEditText() {
//      Update      the      EditBox      DisplayText      =
(string)this.Items[currentPos ]; this.Text = DisplayText; }
public void Sort() { if ( this.Sorted ) this.Sorted= false ;
else this.Sorted= true ; if ( this.Sorted ) this.Sort() ;
UpdateEditText() ; } } } [/csharp]
```