Practical N0. 03

**Working with Web Forms and Controls**

**Aim:**

**a.) Create a simple web page with various server controls to demonstrate setting and use of their properties. (Example : AutoPostBack)**

**b.) Demonstrate the use of Calendar control to perform following operations.**

**a) Display messages in a calendar control b) Display vacation in a calendar control**

**c) Selected day in a calendar control using style d) Difference between two calendar dates**

**c.) Demonstrate the use of Treeview control perform following operations.**

**a) Treeview control and datalist b) Treeview operations**

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**Class: T.Y.BSc.IT**

**Sub: Advanced Web Programming**

**Grade:**

**Sign:**

**Aim:**

**a.) Create a simple web page with various sever controls to demonstrate setting and use of their properties. (Example : AutoPostBack)**

**Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical3a

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

string s;

if(RadioButton1.Checked == true)

{

s = RadioButton1.Text;

}

if(RadioButton2.Checked == true)

{

s =RadioButton2.Text;

}

else

{

s = RadioButton3.Text;

}

Label5.Text += " in " + s;

}

protected void DropDownList1\_SelectedIndexChanged(object sender, EventArgs e)

{

Label5.Text = " you have been enrolled in " + DropDownList1.SelectedItem;

}

}

}

**Output:**

Graphical user interface, text, application

Description automatically generated

**Aim:**

**b.) Demonstrate the use of Calendar control to perform following operations.**

**a) Display messages in a calendar control b) Display vacation in a calendar control**

**c) Selected day in a calendar control using style d) Difference between two calendar dates**

1. **Display messages in a calendar control Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical3b

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Calendar1\_DayRender(object sender, DayRenderEventArgs e)

{

if (e.Day.Date.Day == 18)

e.Cell.Controls.Add(new LiteralControl("</br>Holiday"));

}

}

}

**Output:**

Table

Description automatically generated

1. **Display vacation in a calendar control Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; namespace practical3b\_a\_

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

protected void Calendar1\_DayRender(object sender, DayRenderEventArgs e)

{

if((e.Day.Date>= new DateTime(2022, 07, 18)) && (e.Day.Date<= new DateTime(2022, 07, 24 )))

{

e.Cell.BackColor = System.Drawing.Color.LightBlue; e.Cell.BorderColor = System.Drawing.Color.Black; e.Cell.BorderWidth = new Unit(3);

}

}

}

**Output:**

Graphical user interface, table

Description automatically generated

1. **Selected day in a calendar control using style Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; namespace practical3b\_c\_

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Calendar1\_DayRender(object sender, DayRenderEventArgs e)

{

if((e.Day.Date >= new DateTime(2022, 07, 18)) && (e.Day.Date <= new DateTime(2022, 07, 24)))

{

e.Cell.BackColor= System.Drawing.Color.Cyan; e.Cell.ForeColor= System.Drawing.Color.Black; e.Cell.BorderWidth = new Unit(3); if(e.Day.IsOtherMonth)

{

e.Cell.Controls.Clear();

}

}

}

}

}

**Output:**

Table

Description automatically generated

1. **Difference between two calendar dates. Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical3b\_d\_

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

TimeSpan t = Calendar1.SelectedDate - Calendar2.SelectedDate; Label1.Text += t.Days.ToString();

}

}

}

**Output:**

Calendar

Description automatically generated

**Aim:**

**c.) Demonstrate the use of Treeview control perform following operations.**

**a) Treeview control and datalist b) Treeview operations**

1. **Treeview control and datalist Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical3c\_a\_

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

TreeNodeCollection T;

T = TreeView1.CheckedNodes; DataList1.DataSource = T; DataList1.DataBind(); DataList1.Visible = true;

}

}

}

**Output:**

Graphical user interface, text

Description automatically generated

1. **Treeview operations Code:**

using System;

using System.Collections.Generic; using System.Linq;

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; namespace practical3c\_b\_

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void TreeView1\_SelectedNodeChanged(object sender, EventArgs e)

{

Response.Write("You have selected the option: " + TreeView1.SelectedValue);

}

protected void TreeView1\_TreeNodeCollapsed(object sender, TreeNodeEventArgs e)

{

Response.Write("The value collapsed was: " + e.Node.Value);

}

}

}

**Output:**

Graphical user interface, text, application

Description automatically generated