

## Practical 10 A

Create a web application to demonstrate reading and writing operation with XML.

Create one empty xml file named XMLFile.xml

### Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" Text="XML writer"
                onclick="Button1_Click" />

            <br />
            <asp:ListBox ID="ListBox1" runat="server"></asp:ListBox>
            <br />
            <br />
            <br />
            <br />

            <asp:Button ID="Button2" runat="server" Text="XML Reader"
                onclick="Button2_Click" />

        </div>
    </form>
</body>
</html>
```

### Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Xml;

public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        String fs="C:\\Users\\mehul\\Documents\\Visual Studio
2010\\WebSites\\WebSite18\\XMLFile.xml";
        XmlTextWriter w = new XmlTextWriter(fs, null);
```

```

w.WriteStartElement();
w.WriteStartElement("SuperProProductList");
w.WriteComment("This file generated by the XmlTextWriter class.");
// Write the first product.
w.WriteStartElement("Product");
w.WriteAttributeString("ID", "1");
w.WriteAttributeString("Name", "Chair");
w.WriteStartElement("Price");
w.WriteString("49.33");
w.WriteEndElement();
w.WriteEndElement();
// Write the second product.
w.WriteStartElement("Product");
w.WriteAttributeString("ID", "2");
w.WriteAttributeString("Name", "Car");
w.WriteStartElement("Price");
w.WriteString("43399.55");
w.WriteEndElement();
w.WriteEndElement();
// Write the third product.
w.WriteStartElement("Product");
w.WriteAttributeString("ID", "3");
w.WriteAttributeString("Name", "Fresh Fruit Basket");
w.WriteStartElement("Price");
w.WriteString("49.99");
w.WriteEndElement();
w.WriteEndElement();
// Close the root element.
w.WriteEndElement();
w.WriteEndDocument();
w.Close();
Label1.Text = "Data written Successfully";
}

protected void Button2_Click(object sender, EventArgs e)
{
    String fs = "C:\\Users\\mehul\\Documents\\Visual Studio
2010\\WebSites\\WebSite18\\XMLFile.xml";

    XmlTextReader reader = new XmlTextReader(fs);

    while (reader.Read())
    {

        switch (reader.NodeType)
        {

            case XmlNodeType.Element:
                ListBox1.Items.Add("<" + reader.Name + ">");
                break;
            case XmlNodeType.Text:
                ListBox1.Items.Add("<" + reader.Value + ">");
                break;
            case XmlNodeType.EndElement:
                ListBox1.Items.Add("<" + reader.Name + ">");
                break;
        }

    }
}

```

```

    }
}
}

```

## Practical 10 b

Create a web application to demonstrate Form Security and Windows Security with proper Authentication and Authorization properties.

### Default.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

    <head id="Head1" runat="server">
        <title></title>
    </head>
    <body>
        <form id="form1" runat="server">
            <h3>
Login Page</h3>
            <table>
                <tr>
                    <td>
UserName:</td>
                    <td>
                        <asp:TextBox ID="UserName" runat="server" />
                    </td>
                    <td>
                        <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
ControlToValidate="UserName"
Display="Dynamic"
ErrorMessage="Cannot be empty."
runat="server" />
                    </td>
                </tr>
                <tr>
                    <td>
Password:</td>
                    <td>
                        <asp:TextBox ID="UserPass" TextMode="Password"
runat="server" />
                    </td>
                    <td>
                        <asp:RequiredFieldValidator ID="RequiredFieldValidator2"
ControlToValidate="UserPass"
ErrorMessage="Cannot be empty."
runat="server" />
                    </td>
                </tr>
            </table>
        </form>
    </body>
</html>

```

```

        <tr>
            <td>
                Remember me?</td>
            <td>
                <asp:CheckBox ID="chkboxPersist" runat="server" />
            </td>
        </tr>
    </table>
    <asp:Button ID="Submit1" OnClick="Login_Click" Text="Log In"
runat="server" />
    <p>
        <asp:Label ID="Msg" ForeColor="red" runat="server" />
    </p>
</form>
</body>
</html>

```

#### Default.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.Security;
public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Login_Click(object sender, EventArgs e) {
        if (FormsAuthentication.Authenticate(UserName.Text, UserPass.Text)) {
            FormsAuthentication.RedirectFromLoginPage(UserName.Text,
chkboxPersist.Checked);

            Session["username"] = UserName.Text;
            Response.Redirect("Welcome.aspx");
        } else {
            Msg.Text = "Invalid User Name and/or Password";
        }
    }
}

```

#### Web.Config

```

<?xml version="1.0"?>

<!--
    For more information on how to configure your ASP.NET application, please visit
    http://go.microsoft.com/fwlink/?LinkId=169433
-->

<configuration>
    <appSettings>
        <add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />
    </appSettings>
    <system.web>
        <compilation debug="false" targetFramework="4.0" />
        <authentication mode="Forms">
            <forms loginUrl="Default.aspx" defaultUrl="Welcome.aspx">
                <credentials passwordFormat="Clear">
                    <user name="ved" password="ved123"/>
                    <user name="neha" password="neha123" />
                </credentials>
            </forms>
        </authentication>
    </system.web>
</configuration>

```

```
        </forms>
    </authentication>
    <authorization>
        <deny users="?" />
    </authorization>

</system.web>

</configuration>
```

#### Welcome.aspx

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Welcome : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        Response.Write("welcome"+Session["username"]);
    }
}
```

#### Login Page

UserName:

Password:

Remember me? ☐

welcomeneha

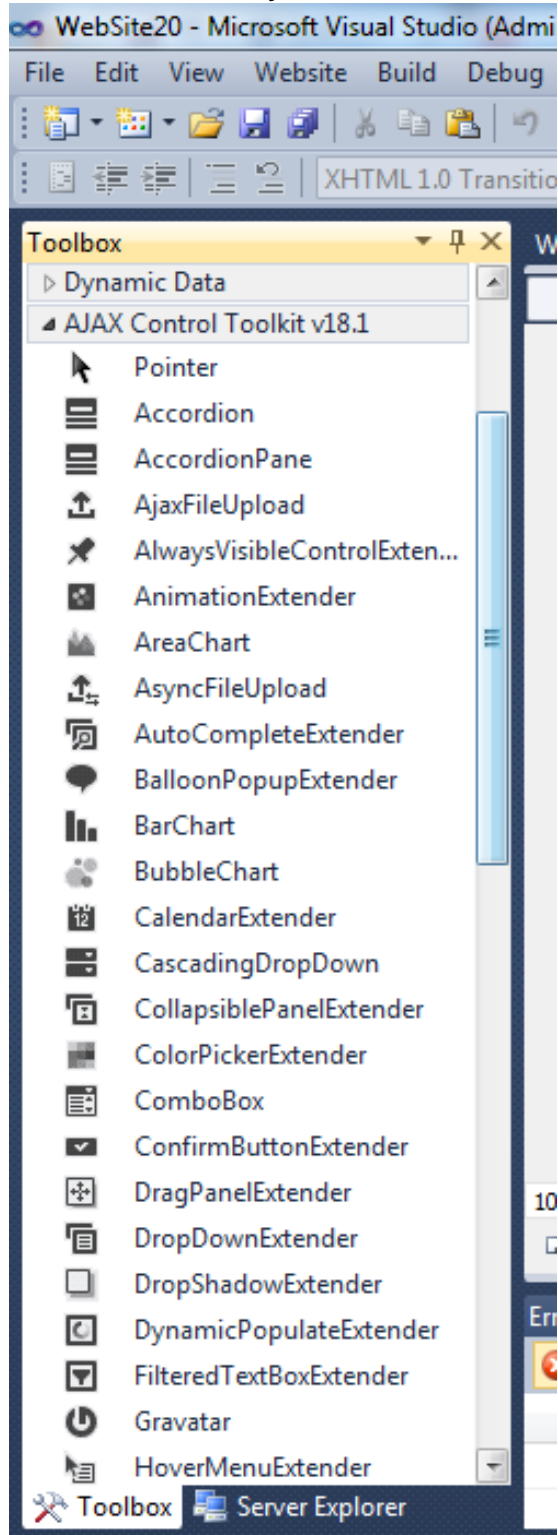
## Practical 10 C

Create a web application to demonstrate use of various Ajax controls.

(i)

Close Visual studio and install AjaxControlToolkit

After installation you will see following controls in ToolBox



```

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>

<%@ Register Assembly="AjaxControlToolkit" Namespace="AjaxControlToolkit"
TagPrefix="ajaxToolkit" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

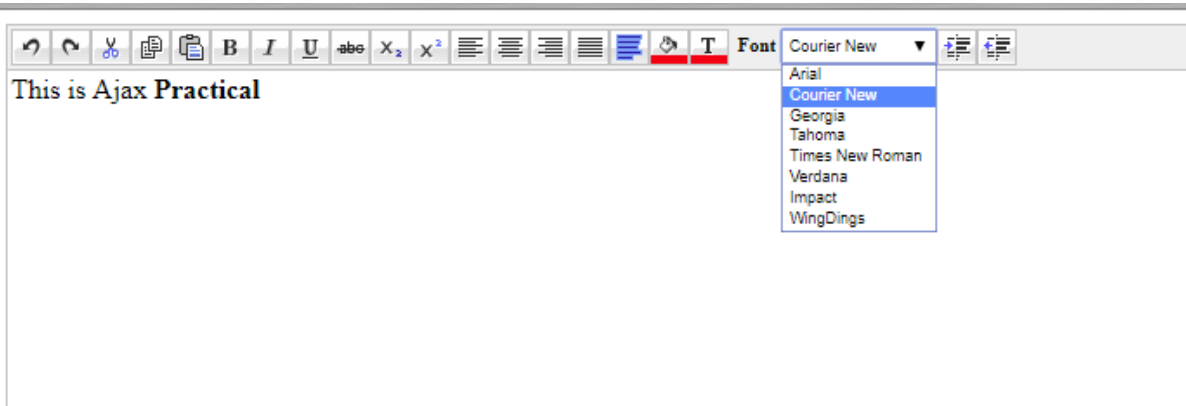
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:ScriptManager runat="server" ID="MainScriptManager" />

            <asp:TextBox ID="TextBox1" runat="server" Height="210px" TextMode="Multiline"
                Width="683px"></asp:TextBox>

            <ajaxToolkit:HtmlEditorExtender ID="HtmlEditorExtender1" runat="server"
                EnableSanitization="False" TargetControlID="TextBox1">
                <Toolbar>
                    <ajaxToolkit:Undo />
                    <ajaxToolkit:Redo />
                    <ajaxToolkit:Cut />
                    <ajaxToolkit:Copy />
                    <ajaxToolkit:Paste />
                    <ajaxToolkit:Bold />
                    <ajaxToolkit:Italic />
                    <ajaxToolkit:Underline />
                    <ajaxToolkit:StrikeThrough />
                    <ajaxToolkit:Subscript />
                    <ajaxToolkit:Superscript />
                    <ajaxToolkit:JustifyLeft />
                    <ajaxToolkit:JustifyCenter />
                    <ajaxToolkit:JustifyRight />
                    <ajaxToolkit:JustifyFull />
                    <ajaxToolkit:SelectAll />
                    <ajaxToolkit:BackgroundColorSelector />
                    <ajaxToolkit:ForeColorSelector />
                    <ajaxToolkit:FontNameSelector />
                    <ajaxToolkit:Indent />
                    <ajaxToolkit:Outdent />
                </Toolbar>
            </ajaxToolkit:HtmlEditorExtender>

        </div>
    </form>
</body>
</html>

```



## Practical 10 C(ii)

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default3.aspx.cs"
Inherits="Default3" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:ScriptManager ID="ScriptManager1" runat="server">
            </asp:ScriptManager>
            <asp:Timer ID="Timer1" runat="server" Interval="2000">
            </asp:Timer>
            <asp:UpdatePanel ID="UpdatePanel1" runat="server">

                <Triggers>

                <asp:AsyncPostBackTrigger ControlID="Timer1" EventName="Tick" />

                </Triggers>

                <ContentTemplate>

                    <asp:AdRotator ID="AdRotator1" runat="server" DataSourceID="XmlDataSource1"
                        Height="200px" Width="200px" />

                    <asp:XmlDataSource ID="XmlDataSource1" runat="server"
DataFile="~/XMLFile.xml">
                    </asp:XmlDataSource>

                </ContentTemplate>
            </asp:UpdatePanel>
        </div>
    </form>
</body>
</html>
XMLFile.xml
<?xml version="1.0" encoding="utf-8" ?>
```



```
<Advertisements>
  <Ad>
    <ImageUrl>rose1.jpg</ImageUrl>
    <NavigateUrl>http://www.1800flowers.com</NavigateUrl>
    <AlternateText>
      Order flowers, roses, gifts and more
    </AlternateText>
    <Impressions>20</Impressions>
    <Keyword>flowers</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>rose2.jpg</ImageUrl>
    <NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>
    <AlternateText>Order roses and flowers</AlternateText>
    <Impressions>20</Impressions>
    <Keyword>gifts</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>rose3.jpg</ImageUrl>
    <NavigateUrl>http://www.flowers2moscow.com</NavigateUrl>
    <AlternateText>Send flowers to Russia</AlternateText>
    <Impressions>20</Impressions>
    <Keyword>russia</Keyword>
  </Ad>
</Advertisements>
```