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| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #9 | | |
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| **Name** |  | **Roll Number** |  |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with AJAX and XML** | | |
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| **9. Working with AJAX and XML** | | | |
| 1. Create a web application to demonstrate reading and writing operation with XML   Code of webdfrom      <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication10.WebForm1" %>  <!DOCTYPE html>  <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 />  <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="XMl WRITER" />  <br />  <asp:ListBox ID="ListBox1" runat="server"></asp:ListBox>  <br />  <asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="XML READER" />  </div>  </form>  </body>  </html>  Code of webfrom.cs    using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Xml;  using System.Web.UI.WebControls;  namespace WebApplication10  {  public partial class WebForm1 : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {  }  protected void Button1\_Click(object sender, EventArgs e)  {  XmlTextWriter writer = new XmlTextWriter(@"C:\Users\admin\source\repos\WebApplication10\WebApplication10\XMLFile1.xml",null);  writer.WriteStartDocument();  writer.WriteStartElement("Details", "");  writer.WriteElementString("FristName", "Sandeep");  writer.WriteElementString("LastName", "Jain");  writer.WriteElementString("College", "VSIT");  writer.WriteEndElement();  writer.WriteEndDocument();  writer.Close();  Label1.Text = "Data Written Successfully";  }  protected void Button2\_Click(object sender, EventArgs e)  {  String xmlNode = @"C:\Users\admin\source\repos\WebApplication10\WebApplication10\XMLFile1.xml";  XmlReader xReader= XmlReader.Create(xmlNode);  while(xReader.Read())  {  switch(xReader.NodeType)  {  case XmlNodeType.Element:  ListBox1.Items.Add("<" + xReader.Name + ">");  break;  case XmlNodeType.Text:  ListBox1.Items.Add(xReader.Value);  break;  case XmlNodeType.EndElement:  ListBox1.Items.Add("<" + xReader.Name + ">");  break;  }  }  }  }  }  Code of xml    <?xml version="1.0" encoding="utf-8" ?>  Output | | | |
| 1. Create a web application to demonstrate Form Security and Windows Security with proper Authentication and Authorization properties.   Loginpage.cs  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="LoginPage.aspx.cs" Inherits="WebApplication10.WebForm2" %>  <!DOCTYPE html>  <html xmlns="http://www.w3.org/1999/xhtml">  <head runat="server">  <title></title>  </head>  <body>  <form id="form1" runat="server">  <div>  UserName:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>  <br />  Password:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>  <br />  <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Login" />  <br />  <asp:CheckBox ID="CheckBox1" runat="server" Text="Check here if this not a public Computer" />  </div>  </form>  </body>  </html>    Loginapsx.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;  namespace WebApplication10  {  public partial class WebForm2 : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {  }  protected bool authenticate(String uname,String pass)  {  if (uname == "sandeepjain")  {  if (pass == "san123")  return true;  }  if (uname == "sahilshah")  {  if (pass == "sah123")  return true;  }  if (uname == "siddesh")  {  if (pass == "sid123")  return true;  }  return false;  }  protected void Button1\_Click(object sender, EventArgs e)  {  if (authenticate(TextBox1.Text,TextBox2.Text))  {  FormsAuthentication.RedirectFromLoginPage(TextBox1.Text, CheckBox1.Checked);  Session["username"] = TextBox1.Text;  Response.Redirect("WelcomePage.aspx");  }  else  {  Response.Write("invaild user name password");  }  }    }  }    Welcome pa  Aspx    <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WelcomePage.aspx.cs" Inherits="WebApplication10.WelcomePage" %>  <!DOCTYPE html>  <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"></asp:Label>  </div>  </form>  </body>  </html>  Cs    using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;  namespace WebApplication10  {  public partial class updateprogress : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {  }  protected void Button1\_Click(object sender, EventArgs e)  {  System.Threading.Thread.Sleep(2000);  TextBox1.Text = DateTime.Now.ToLongTimeString();  }  }  }  Web.config    <?xml version="1.0" encoding="utf-8"?>  <!--  For more information on how to configure your ASP.NET application, please visit  https://go.microsoft.com/fwlink/?LinkId=169433  -->  <configuration>  <system.web>  <authentication mode="Forms">  <forms loginUrl="LoginPage.aspx"/>    </authentication>  <authorization>  <deny users="?"></deny>  </authorization>  <compilation debug="true" targetFramework="4.6.1"/>  <httpRuntime targetFramework="4.6.1"/>  </system.web>  <system.codedom>  <compilers>  <compiler language="c#;cs;csharp" extension=".cs"  type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"  warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701"/>  <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"  type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"  warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+"/>  </compilers>  </system.codedom>  </configuration>  Output | | | |
| **c)** Create a web application to demonstrate use of various Ajax controls.  Update.aspx    <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="updateprogress.aspx.cs" Inherits="WebApplication10.updateprogress" %>  <!DOCTYPE html>  <html xmlns="http://www.w3.org/1999/xhtml">  <head runat="server">  <title></title>  </head>  <body>  <form id="form1" runat="server">  <div>  </div>  &nbsp;<br />  <asp:XmlDataSource ID="XmlDataSource1" runat="server" DataFile="~/XMLFile2.xml"></asp:XmlDataSource>  <asp:UpdateProgress ID="UpdateProgress1" runat="server">  </asp:UpdateProgress>  <asp:ScriptManager ID="ScriptManager1" runat="server">  </asp:ScriptManager>    <asp:UpdatePanel ID="UpdatePanel1" runat="server">  <ContentTemplate>  <asp:AdRotator ID="AdRotator1" runat="server" DataSourceID="XmlDataSource1" />  <br />  <br />  <asp:Timer ID="Timer1" runat="server" Interval="1000">  </asp:Timer>  <br />  <br />  <asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="show time" />  <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>  </ContentTemplate>  </asp:UpdatePanel>    </form>  </body>  </html>  Update.aspx.cs    using System;  using System.Collections.Generic;  using System.Linq;  using System.Web;  using System.Web.UI;  using System.Web.UI.WebControls;  namespace WebApplication10  {  public partial class updateprogress : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {  }  protected void Button1\_Click(object sender, EventArgs e)  {  System.Threading.Thread.Sleep(2000);  TextBox1.Text = DateTime.Now.ToLongTimeString();  }  }  }  Xml.    <?xml version="1.0" encoding="utf-8" ?>  <Advertisements>  <Ad>  <ImageUrl>Screenshot(237).png</ImageUrl>  </Ad>  <Ad>  <ImageUrl>157896.jfif</ImageUrl>  </Ad>    </Advertisements> | | | |