AWT UNIT 2 @ UNIT 3 SUBMISSION

Roll No : 47
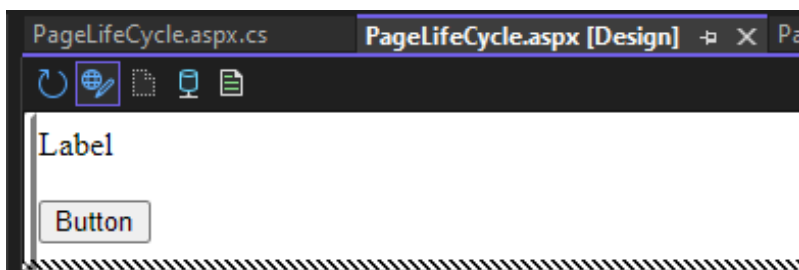
Batch – A3

Unit 2
Introduction to ASP.Net

Practical 1: Design ASP.NET web page to demonstrate page life cycle

Code -

PageLifeCycle.aspx.cs

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

namespace Unit2AWT1
{
    public partial class PageLifeCycle : System.Web.UI.Page
    {
        protected void Page_PreInit(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is Page Pre Init method...";
        }
```

```csharp
        protected void Page_Init(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is Page Init method...";
        }

        protected void Page_InitComplete(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is Page Init Complete method...";
        }

        protected override void OnPreLoad(EventArgs e)
        {

Label1.Text = Label1.Text + "<br/>" + "This is On PreLoad method...";
        }

        protected void Page_Load(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is Page Load method...";
        }

        protected void Page_LoadComplete(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is Page Load Complete method...";
        }

        protected override void OnPreRender(EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is On Pre Render method...";
        }

        protected void Page_Unload(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is Page Unload method...";
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = Label1.Text + "<br/>" + "This is button click event...";
        }
    }}
```
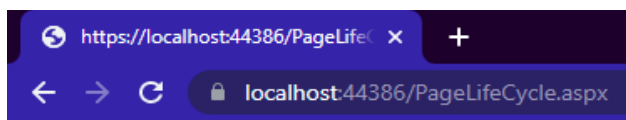
Output:

Label
This is Page Pre Init method...
This is Page Init method...
This is Page Init Complete method...
This is On PreLoad method...
This is Page Load method...
This is Page Load Complete method...
This is On Pre Render method...
This is On PreLoad method...
This is Page Load method...
This is button click event...
This is Page Load Complete method...
This is On Pre Render method...

Button

Practical 2: Design a Student Registration form using Web Server Controls

Form1.aspx (Design)

Form1.aspx

```
<%@     Page     Language="C#"     AutoEventWireup="true"     CodeBehind="Form1.aspx.cs"
Inherits="Unit2AWT1.Form1" %>

<!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="Welcome to BVIMIT!!!"></asp:Label>
        <br />&nbsp&nbsp&nbsp
        <asp:Label ID="Label2" runat="server" Text="Hello all!!"></asp:Label>
        <br /><br />
        <asp:Label ID="Label3" runat="server" Text="Student Registration Form"></asp:Label>
        <br />
        <br />
        <asp:Label ID="Label4" runat="server" Text="Student Name:"></asp:Label> &nbsp&nbsp
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br /><br />

        <asp:Label ID="Label5" runat="server" Text="EmailId:"></asp:Label>&nbsp&nbsp
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br /><br />

        <asp:Label ID="Label6" runat="server" Text="Password:"></asp:Label>&nbsp&nbsp
        <asp:TextBox ID="TextBox3" runat="server" TextMode="Password"></asp:TextBox>
        <br /><br />

        <asp:Label ID="Label7" runat="server" Text="Gender:"></asp:Label>&nbsp&nbsp
        <asp:RadioButton ID="RadioButton1" runat="server" Text="Male" />&nbsp
        <asp:RadioButton ID="RadioButton2" runat="server" Text="Female"/>
        <br /><br />

        <asp:Label ID="Label8" runat="server" Text="Date Of Birth:"></asp:Label>&nbsp&nbsp
        <asp:Calendar ID="Calendar1" runat="server"></asp:Calendar>
        <br /><br />

        <asp:Label ID="Label9" runat="server" Text="Course:"></asp:Label>&nbsp&nbsp
        <asp:CheckBox ID="CheckBox1" runat="server" Text="BCA"/>&nbsp
        <asp:CheckBox ID="CheckBox2" runat="server" Text="BBA"/>&nbsp
        <asp:CheckBox ID="CheckBox3" runat="server" Text="MCA"/>&nbsp
        <asp:CheckBox ID="CheckBox4" runat="server" Text="MBA"/>&nbsp
        <br /><br />
```



```
        <asp:Button ID="Button1" runat="server" Text="Register" OnClick="Button1_Click" />

        <br />
        <br />
        <asp:Label ID="Label10" runat="server" Text=""></asp:Label>
      </div>
    </form>
 </body>
 </html>
```

Form1.aspx.cs

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Net.Configuration;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;


namespace Unit2AWT1
{
    public partial class Form1 : System.Web.UI.Page
    {
        string msg, username, emailid, gender, dob;
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            msg = "Hello " + TextBox1.Text + "!";
```

```
        msg = msg + "<br> You have successfully registered with the following details: ";
        username = "Name: " +TextBox1.Text;
        emailid = "Email: " + TextBox2.Text;
        if (RadioButton1.Checked)
            gender = RadioButton1.Text;
        else
            gender = RadioButton2.Text;
        var courses = "";
        if(CheckBox1.Checked)
        {
            courses = CheckBox1.Text + " ";
        }
        if(CheckBox2.Checked)
        {
            courses += CheckBox2.Text + " ";
        }
        if (CheckBox3.Checked)
        {
            courses += CheckBox3.Text +" ";
        }
        if (CheckBox4.Checked)
        {
            courses += CheckBox4.Text;
        }
        courses = "Selected courses: " + courses;
        dob = "DoB: " + Calendar1.SelectedDate.ToString("D");
        msg = msg + "<br>" + username + "<br>" + emailid + "<br>" + gender + "<br>" + courses +
    "<br>" + dob;
        Label10.Text = msg;
        TextBox1.Text = "";
        TextBox2.Text = "";
        TextBox3.Text = "";
        RadioButton1.Checked = false;
        RadioButton2.Checked = false;
        CheckBox1.Checked = false;
        CheckBox2.Checked = false;
        CheckBox3.Checked = false;
        CheckBox4.Checked = false;
        }
    }}
```

Welcome to BVIMIT

Student Registration Form

Student Name: [   ]
Email Id: [   ]
Password: [   ]
Gender: ○ Male   ○ Female

≤		November 2002				≥
Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

Select Date of Birth:

Select Course: ☐MCA ☐BCA ☐BBA

[Register]

Hello Rohan Borge !
You have successfuly Registered with the following details.
Name is:Rohan Borge
Male
Email id :rohanborge71@gmail.com
selected course:MCA
Your DOB is: Thursday, November 7, 2002

Practical 3: Design an ASP.NET Application to Display Random Advertisements using ADRotator

Code:
AdRotatorXml.xml (Xml File)

Design:-
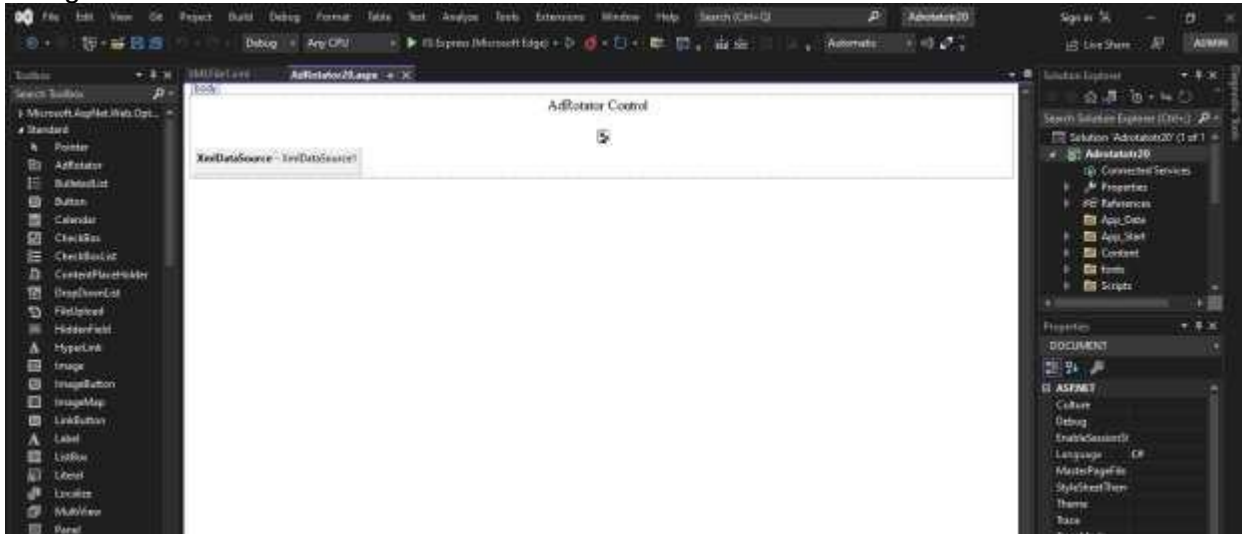
.XML file
```xml
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
    <Ad>
        <ImageUrl>BMRR.jpg</ImageUrl>
        <NavigateUrl>https://www.bmw-motorrad.in/en/models/sport/s1000rr.html</NavigateUrl>
        <AlternateText>
            BMW MOTORADD
        </AlternateText>
        <Impressions>30</Impressions>
        <Keyword>BMW</Keyword>
    </Ad>
    <Ad>
        <ImageUrl>chiron.jpg</ImageUrl>
        <NavigateUrl>https://www.bugatti.com/</NavigateUrl>
        <AlternateText>TOP G</AlternateText>
        <Impressions>20</Impressions>
        <Keyword>BUGATTI</Keyword>
    </Ad>
    <Ad>
        <ImageUrl>Porsche 911.jpg</ImageUrl>
        <NavigateUrl>https://www.porsche.com/middle-east/_india_/</NavigateUrl>
        <AlternateText>Very Fast</AlternateText>
        <Impressions>30</Impressions>
        <Keyword>Porsche</Keyword>
    </Ad>
    <Ad>
        <ImageUrl>z900.png</ImageUrl>
        <NavigateUrl>https://kawasaki-india.com/bikes/z900/</NavigateUrl>
```

```
            <AlternateText>X900</AlternateText>
            <Impressions>30</Impressions>
            <Keyword>Dream</Keyword>
        </Ad>
</Advertisements>
```

Output

On clicking on that image redirecting to its website
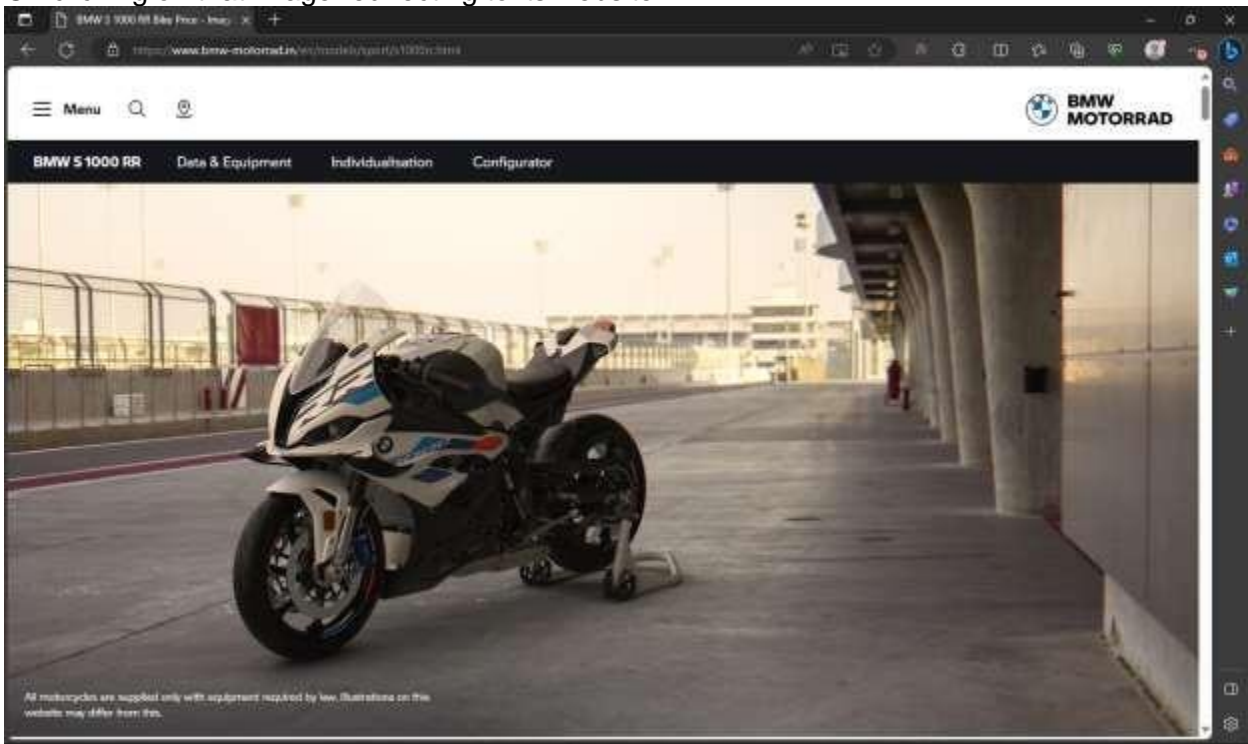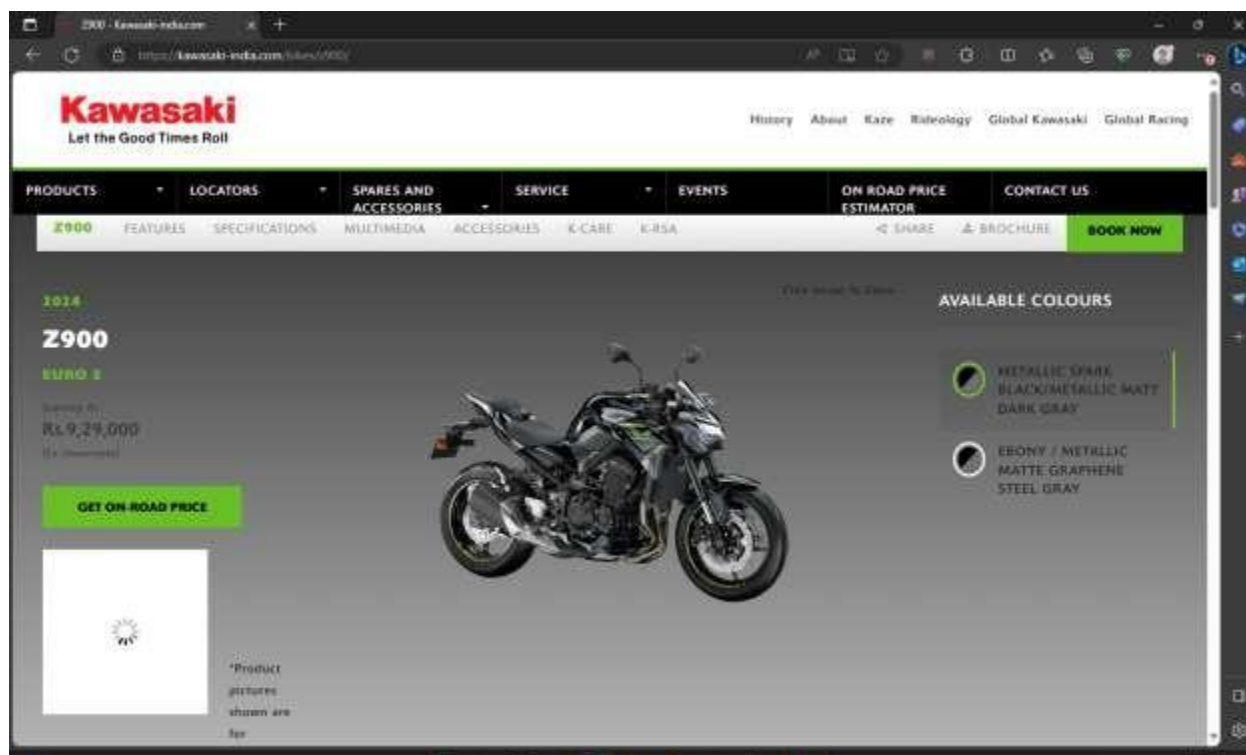

Image 2
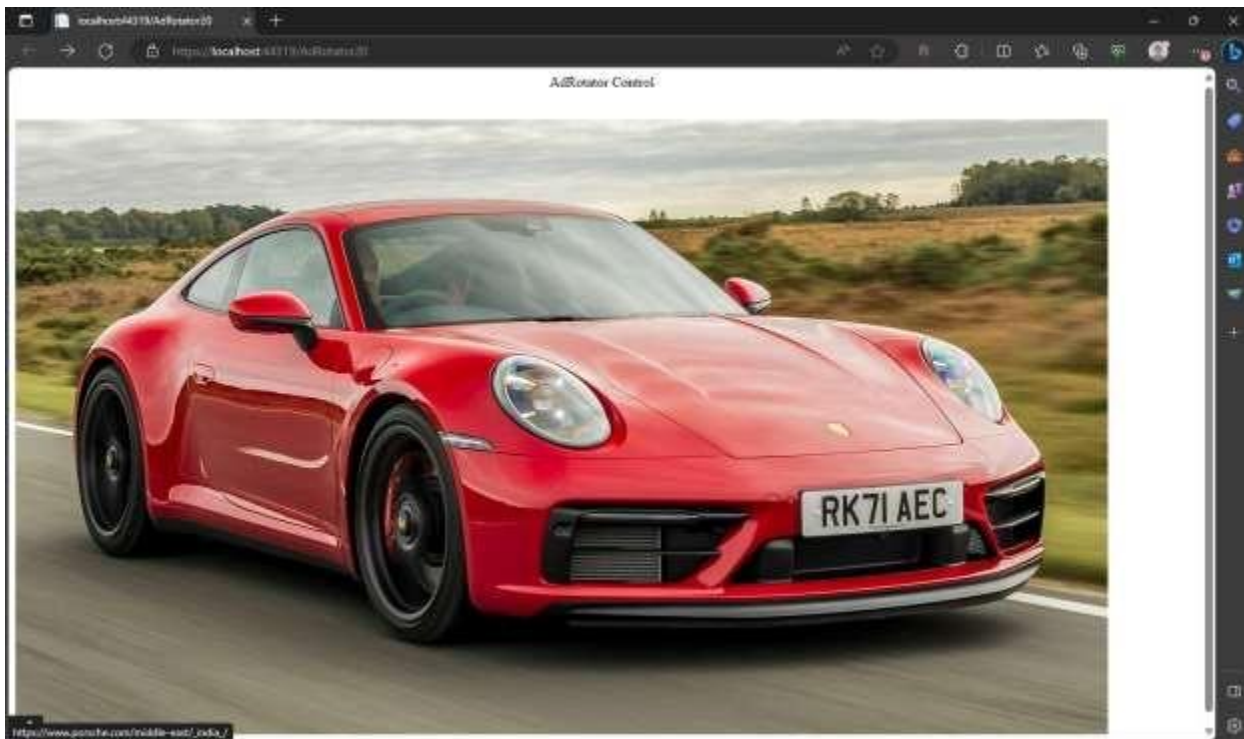
Redirected to
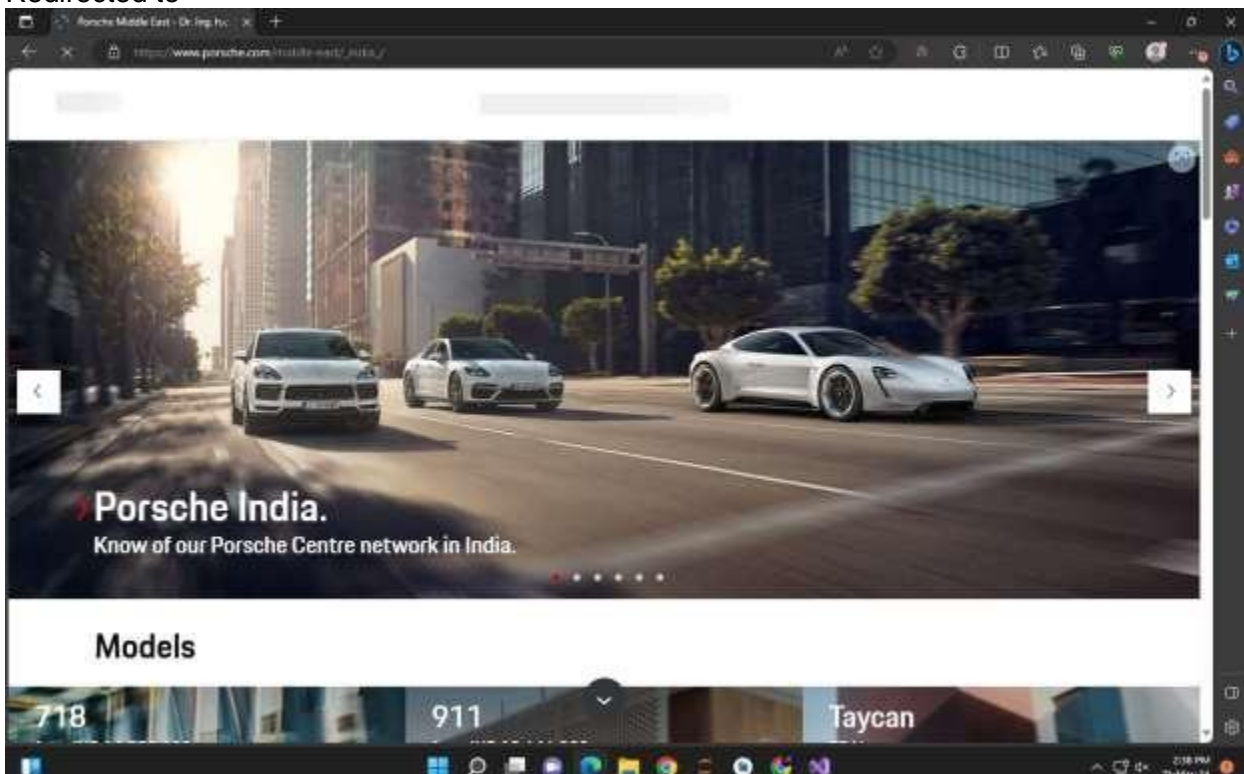
Image 3
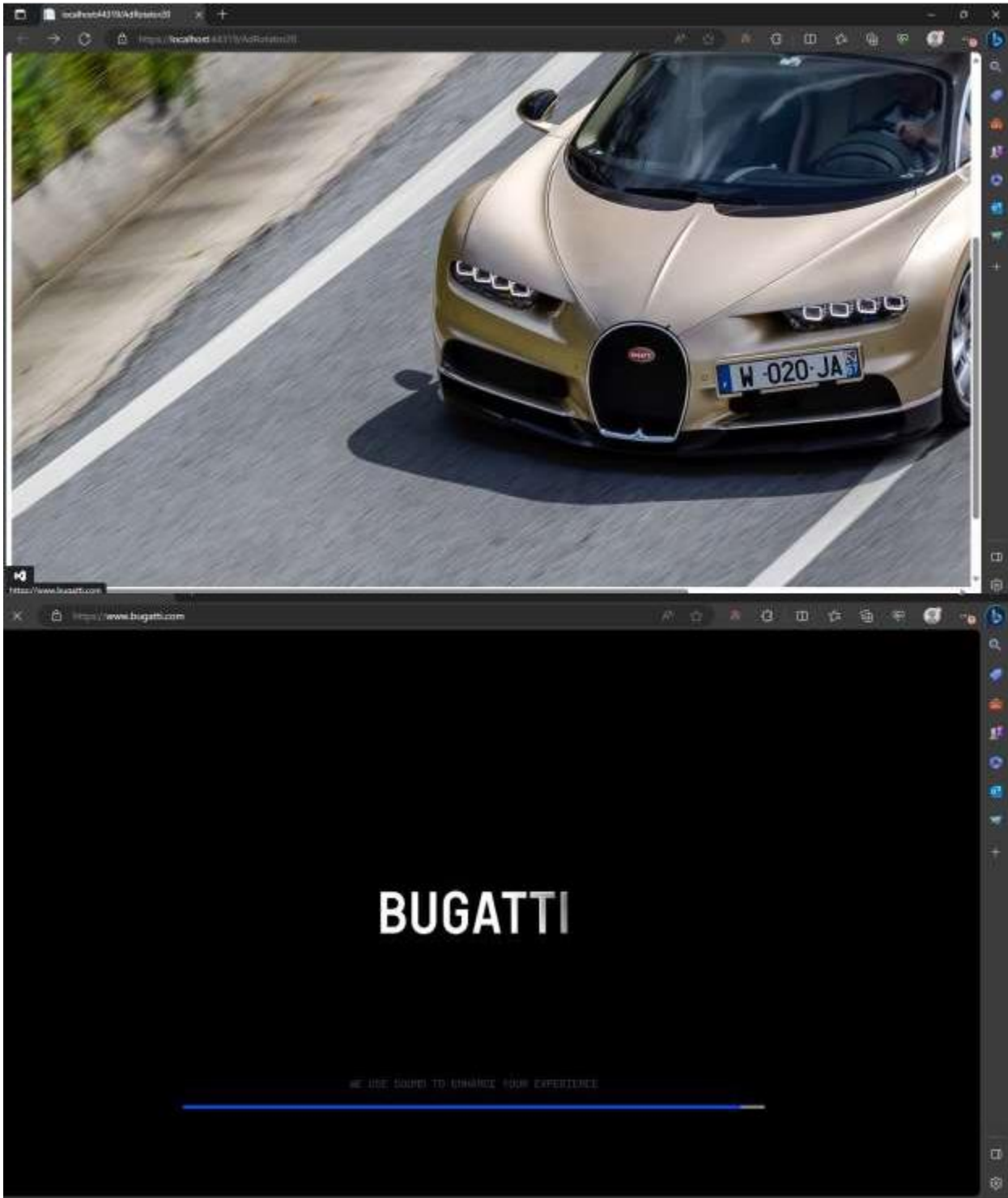
Image 4
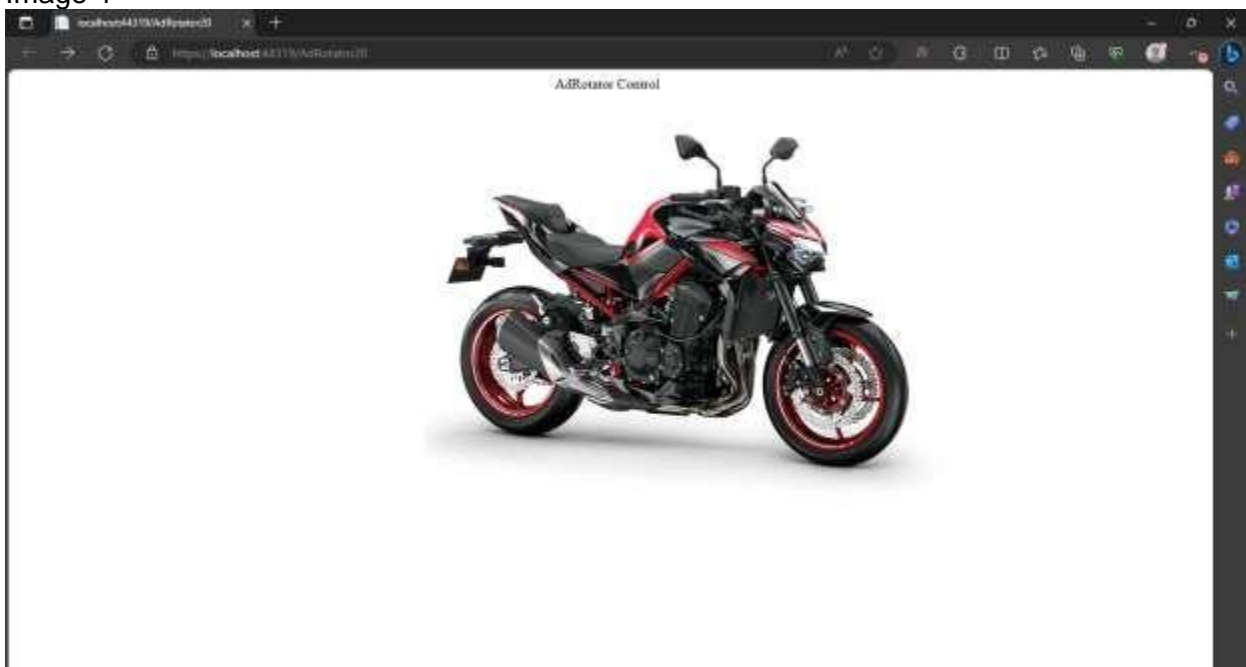
Redirecting

Practical 4: Design an ASP.NET application to Display Current Month's Calender. Render the calendar.Show Some image in the cell along message.

Design

Label

Label

<	May 2021					>
Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Label

Code:

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

public partial class cal : System.Web.UI.Page
{
 protected void Page_Load(object sender, EventArgs e)
 {
 Label2.Text = "Todays Date is: " + Calendar1.TodaysDate.ToShortDateString();
 }
 protected void Calendar1_SelectionChanged(object sender, EventArgs e)
 {
 Label1.Text = Calendar1.SelectedDate.ToLongDateString();
 }
 protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
 {
 if (e.Day.Date == new DateTime(2021, 2, 14))
```

```
{
Literal l1 = new Literal();
Image img1 = new Image();
e.Cell.Width = 70;
e.Cell.Height = 70;
e.Cell.Font.Italic = true;
e.Cell.Font.Size = FontUnit.XLarge;
e.Cell.BackColor = System.Drawing.Color.LightPink;
img1.ImageUrl = "~\\1.jpg";
img1.Width = 30;
img1.Height = 30;
l1.Text = "<br /><font size=2 color=Red>Holiday</font>";
e.Cell.Controls.AddAt(1, l1);
e.Cell.Controls.AddAt(0, img1);
}
}
protected void Calendar1_VisibleMonthChanged(object sender, MonthChangedEventArgs e)
{
Label3.Text="Selected Month & Year is: " + e.NewDate.Month + "-" + e.NewDate.Year;
}
}
```

Output:

Label

Todays Date is: 28-05-2021

≤			February 2021			≥
Mon	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	*14* Holiday
15	16	17	18	19	20	21
22	23	24	25	26	27	28
1	2	3	4	5	6	7

Selected Month & Year is: 2-2021

Practical 6: Design ASP.NET web page to demonstrate File Upload control

File Upload Control:

Code:
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.IO;

public partial class fileupload : System.Web.UI.Page
{
 protected void Page_Load(object sender, EventArgs e)
 {
 }
 protected void Button1_Click(object sender, EventArgs e)
 {
 if (FileUpload1.HasFile)
 {
 FileUpload1.SaveAs(Server.MapPath("~/img/") + FileUpload1.FileName);
 path.ImageUrl = "~/img/" + FileUpload1.FileName;
 Label2.Text = "Image Uploaded Successfully !!";
 }
 else
 {
 Label3.Text = "Select image first !!";
 }
 }
```

```
protected void Button2_Click(object sender, EventArgs e)
{
string fn = Path.GetFileName(FileUpload2.PostedFile.FileName);
string fextn = Path.GetExtension(fn);
int size = FileUpload2.PostedFile.ContentLength;
if (FileUpload2.HasFile)
{
if (fextn.ToLower() != ".doc" && fextn.ToLower() != ".docx")
{
Labelmsg.Text = "only doc and docx file allowed";
}
else if (size < 10024)
{
Labelmsg.Text = "file should be less than 1mb";
}
else
{
FileUpload2.SaveAs(Server.MapPath("~/Upload/" + fn));
Labelmsg.Text = "file uploaded";
}}
else
{Labelmsg.Text = "please select file before uploading";
}}}
```

Output:

Practical 7: Create a website using master page concept

```
<%@     Master     Language="C#"     AutoEventWireup="true"     CodeBehind="master1.master.cs"
Inherits="masterpg.master1" %>
<!DOCTYPE html>
<html>
<head runat="server">
    <title></title>
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <center>
    <form id="form1" runat="server">
       <div style="background-color:gainsboro">
           <h1 style="height:50px">BVIMIT</h1>
           <p style="height:250px">
              <asp:Image     ID="img1"     runat="server"     Height="200px"     width="200px"
ImageUrl="Images/bvimitlogo.jpg" />
           </p>
           <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
           </asp:ContentPlaceHolder>
       </div>
    </form>
    </center>
</body>
</html>
```

Design:

```
<%@    Page    Language="C#"    AutoEventWireup="true"    CodeBehind="ContentPage.aspx.cs"
Inherits="masterpg.ContentPage" MasterPageFile="~/master1.Master" %>

<asp:content ID="Content1" ContentPlaceHolderID="head" runat="server">

</asp:content>

<asp:content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
   <asp:Label ID="Label1" runat="server" Text="Enter your name: " Font-Names="Bauhaus 93" Font-
Size="16pt"></asp:Label>
   <br /><br />
   <asp:TextBox ID="Textbox1" runat="server" Height="50px" Width="300px" Font-Names="Ravie"
Font-Size="14pt"></asp:TextBox>
   <br /><br />
   <asp:Button ID="Button1" runat="server" Text="Submit" Height="53px" Font-Names="Broadway"
Font-Size="16pt" OnClick="Button1_Click" />
</asp:content>
```
Design:

ContentPage.aspx.cs

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

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

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = "You have entered " + Textbox1.Text;
            Label1.Visible = true;
        }
    }
}
```

Output:

BVIMIT

You have entered Pratiksha

Pratiksha

Submit