

Internet Technology Lab

Week 3

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Question 1

MagazineCover.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="IT_LAB_WEEK3_Q1.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 672px">
            <asp:TextBox ID="messageTextBox" runat="server"
OnTextChanged="TextBox1_TextChanged" style="margin-left: 148px; margin-top: 46px"
Width="152px">Type message</asp:TextBox>
            <br />
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Choose font"></asp:Label>
            <asp:DropDownList ID="fontDropDown" runat="server" Height="50px"
style="margin-left: 58px; margin-top: 31px" Width="203px">
</asp:DropDownList>
            <br />
            <br />
            <br />
            <br />
            <asp:Label ID="Label3" runat="server" Text="Choose size"></asp:Label>
            <asp:DropDownList ID="fontSizeDropDown" runat="server" Height="24px"
style="margin-left: 0px" Width="203px">
                <asp:ListItem>14</asp:ListItem>
                <asp:ListItem>16</asp:ListItem>
                <asp:ListItem>18</asp:ListItem>
                <asp:ListItem>20</asp:ListItem>
                <asp:ListItem>22</asp:ListItem>
            </asp:DropDownList>
        </div>
    </form>
</body>
</html>
```



```

        fontDropDown.Items.Add("Tahoma");

        colorDropDown.Items.Add("White");
        colorDropDown.Items.Add("Red");
        colorDropDown.Items.Add("Green");
        colorDropDown.Items.Add("Blue");
        colorDropDown.Items.Add("Yellow");

        backgroundColor.Items.Add("White");
        backgroundColor.Items.Add("Red");
        backgroundColor.Items.Add("Green");
        backgroundColor.Items.Add("Blue");
        backgroundColor.Items.Add("Yellow");
    }
}

protected void TextBox1_TextChanged(object sender, EventArgs e)
{
    titleLabel.Text = messageTextBox.Text;
}

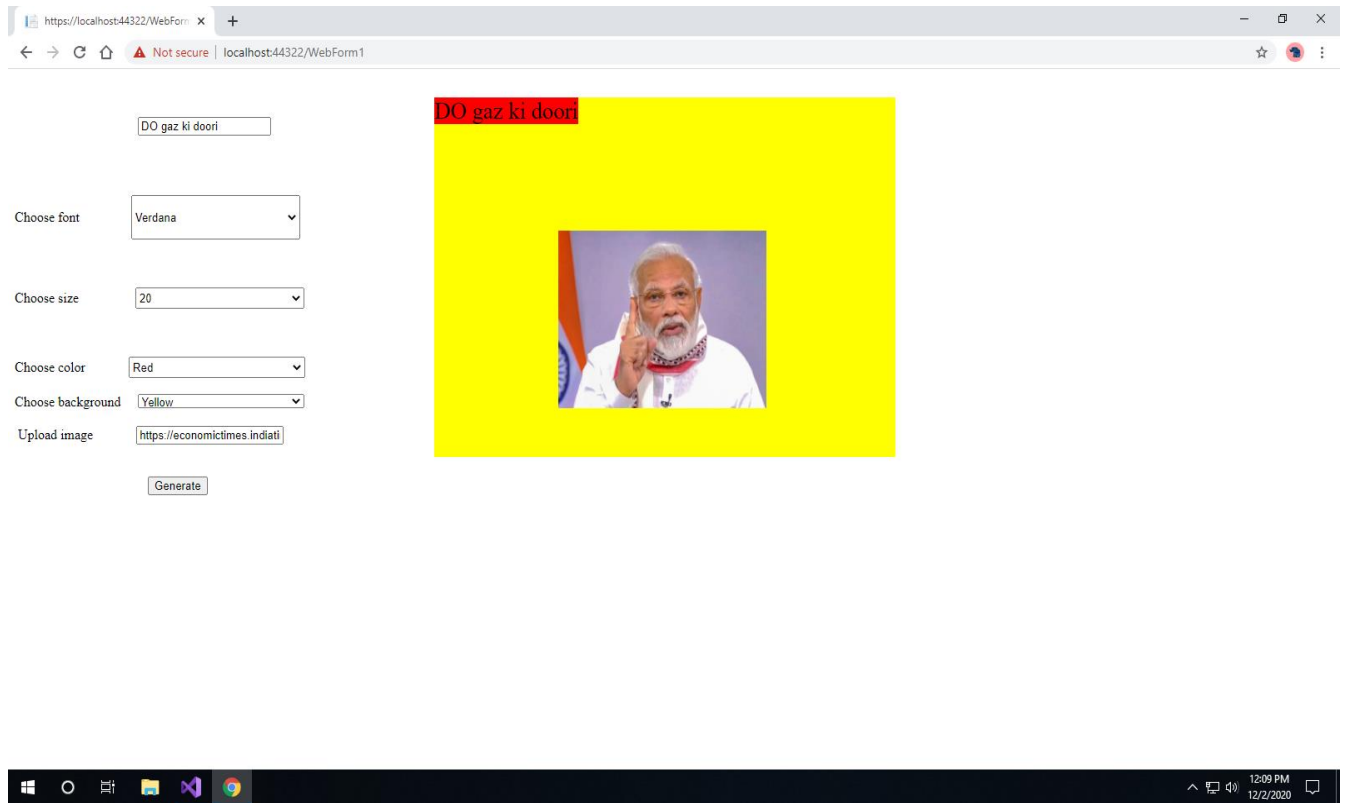
protected void generate(object sender, EventArgs args)
{
    magazine.BackColor = Color.FromName(backgroundColor.SelectedItem.Text);

    string selectedFont = fontSizeDropDown.SelectedValue;
    titleLabel.Font.Size = FontUnit.Point(Int32.Parse(selectedFont));
    titleLabel.BackColor = Color.FromName(colorDropDown.SelectedItem.Text);
    titleLabel.Text = messageTextBox.Text;

    coverImage.ImageUrl = imageLocal.Text;
}
}
}

```

Output



Employee.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"  
Inherits="IT_LAB_WEEK3_Q2.WebForm1" %>  
  
<!DOCTYPE html>  
  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
    <title></title>  
</head>  
<body>  
    <form id="form1" runat="server">  
        <div style="height: 502px; position: absolute; top: 15px; left: 10px; width:  
1119px;">  
            <br />  
            <br />  
            <asp:Label ID="Label1" runat="server" Text=" Employee ID"></asp:Label>  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <asp:DropDownList ID="employeeIDDropDown" runat="server" Height="25px"  
Width="201px">  
                </asp:DropDownList>  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <asp:Button ID="chooseEmployee" runat="server" OnClick="choose_Employee"  
Text="Choose" />  
            <br />  
            <br />  
            <br />  
            <asp:Image ID="employeeImage" runat="server" Height="153px" Width="201px"  
/>  
            <br />  
            <br />  
            <br />  
            <asp:TextBox ID="employeeNameTextbox" runat="server" style="margin-left:  
97px" Width="192px">Enter name..</asp:TextBox>  
            <br />  
            <br />  
            <br />  
            <asp:TextBox ID="joinDateTextbox" runat="server" Width="188px">Enter join  
date..</asp:TextBox>  
            <br />  
            <br />  
            <br />  
            <asp:Button ID="eligible" runat="server" OnClick="elible_Promotion"  
Text="Am I Eligible For Promotion" Width="192px" />  
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <asp:Label ID="eligibileLabel" runat="server" Text=""></asp:Label>
```

```

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

```

Eligible.aspx.cs

```

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

namespace IT_LAB_WEEK3_Q2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        string[] images =
{"https://www.hindustantimes.com/rf/image_size_960x540/HT/p2/2020/12/01/Pictures/presid
ent-trump-holds-thanksgiving-videoconference-military-members_2e7ba9e6-33ff-11eb-
9c97-4dbf0d0924a0.jpg"
,
"https://www.hindustantimes.com/rf/image_size_960x540/HT/p2/2020/12/01/Pictures/presid
ent-trump-holds-thanksgiving-videoconference-military-members_2e7ba9e6-33ff-11eb-9c97-
4dbf0d0924a0.jpg"
,
"https://www.hindustantimes.com/rf/image_size_960x540/HT/p2/2020/12/01/Pictures/presid
ent-trump-holds-thanksgiving-videoconference-military-members_2e7ba9e6-33ff-11eb-9c97-
4dbf0d0924a0.jpg" };

        protected void Page_Load(object sender, EventArgs e)
        {
            if(!IsPostBack)
            {
                employeeIDDropDown.Items.Add("E1");
                employeeIDDropDown.Items.Add("E2");
                employeeIDDropDown.Items.Add("E3");
            }
        }

        protected void elible_Promotion(object sender, EventArgs args)
        {
            string joinDate = joinDateTextbox.Text;
            DateTime join;

            var isValidDate = DateTime.TryParse(joinDate, out join);

            if(isValidDate)
            {
                var now = DateTime.Now;
                int years = now.Year - join.Year;
            }
        }
    }
}

```

```


        if(years > 5)
        {
            eligibleLabel.Text = "YES";
        } else
        {
            eligibleLabel.Text = "NO";
        }
    }
}

protected void choose_Employee(object sender, EventArgs args)
{
    int selectedEmployee = employeeIDDropDown.SelectedIndex;
    //Console.WriteLine(selectedEmployee);
    employeeImage.ImageUrl = images[selectedEmployee];
}
}
}

```

Output

Employee ID



 YES

Greeting.aspx

[illegible]


```

        colorDropDown.Items.Add("Green");
        colorDropDown.Items.Add("Blue");
        colorDropDown.Items.Add("Yellow");

        backgroundColor.Items.Add("White");
        backgroundColor.Items.Add("Red");
        backgroundColor.Items.Add("Green");
        backgroundColor.Items.Add("Blue");
        backgroundColor.Items.Add("Yellow");
    }
}

protected void TextBox1_TextChanged(object sender, EventArgs e)
{
    titleLabel.Text = messageTextBox.Text;
}

protected void generate(object sender, EventArgs args)
{
    magazine.BackColor = Color.FromName(backgroundColor.SelectedItem.Text);

    string selectedFont = fontSizeDropDown.SelectedValue;
    titleLabel.Font.Size = FontUnit.Point(Int32.Parse(selectedFont));
    titleLabel.BackColor = Color.FromName(colorDropDown.SelectedItem.Text);
    titleLabel.Text = messageTextBox.Text;

    coverImage.ImageUrl = imageLocal.Text;
}
}
}

```

Output

Happy Christmas!



Question 4

Captcha.aspx

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

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<div>
```

```

        <img runat="server" id="CaptchaImage" alt="Captcha Image"
style="width:180px; height:30px" />

        <br /><br />

        <asp:Button runat="server" ID="Reload" Text="Reload this Captcha" />

        <br />

        <br />

        <asp:TextBox ID="CaptchaText" runat="server" />

        <asp:Button runat="server" ID="Submit" Text="Submit Captcha"
OnClick="Check_Captcha" />

    </div>

    <br />

    <asp:Label Text="Waiting for Verification..." runat="server"
ID="VerifiedStatus" />

</form>

</body>

</html>

```

Captcha.aspx.cs

```

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

namespace Captcha
{
    public partial class Captcha : System.Web.UI.Page
    {
        public List<String> captchas;
        public List<String> values;
        public static int currentShow;
        public static int oldShow;
        public static int tries = 3;
        public void Initialize_Lists()
        {
            captchas = new List<String>();
            captchas.Add("https://captcha.com/images/captcha/botdetect3-captcha-ancientmosaic.jpg");

```

```

        captchas.Add("https://captcha.com/images/captcha/botdetect3-captcha-
blackoverlap.jpg");
        captchas.Add("https://captcha.com/images/captcha/botdetect3-captcha-
meltingheat.jpg");
        captchas.Add("https://captcha.com/images/captcha/botdetect3-captcha-
negative.jpg");

        values = new List<String>();
        values.Add("W93BX");
        values.Add("RBSKW");
        values.Add("JA3V8");
        values.Add("459CT");
    }
    protected void Page_Load(object sender, EventArgs e)
    {
        if (tries > 0)
        {
            CaptchaText.Enabled = true;
            Submit.Enabled = true;
        }
        else
        {
            VerifiedStatus.Text = "Max Attempts Exceeded.";
            CaptchaText.Enabled = false;
            Submit.Enabled = false;
        }

        Random random = new Random();
        oldShow = currentShow;
        currentShow = random.Next(0, 4);

        Initialize_Lists();
        CaptchaImage.Src = captchas[currentShow];
    }

    protected void Check_Captcha(object sender, EventArgs e)
    {
        String captchaEntered = CaptchaText.Text.Trim().ToUpper();
        if (captchaEntered.Equals(values[oldShow]))
        {
            VerifiedStatus.Text = "Successfully Verified.";
        }
        else
        {
            tries--;
            VerifiedStatus.Text = "Failed. Remaining Attempts: " + tries;
        }
    }
}

```

Output



[Reload this Captcha](#)

[Submit Captcha](#)

Successfully Verified.



[Reload this Captcha](#)

[Submit Captcha](#)

Failed. Remaining Attempts: 1