TOLANI COLLEGE OF COMMERCE
(Affiliated to University of Mumbai)
Sher E Punjab Colony, Andheri East
MUMBAI-MAHARASHTRA-400093
DEPARTMENT OF BSc(INFORMATION TECHNOLOGY)

CERTIFICATE

This is to certify that the **Advance Web Programming Journal** , is bonafied work of **Saurav Maurya** bearing **roll no: 26** submitted in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE in INFORMATIONTECHNOLOGY** from University of Mumbai.

Internal Examiner Coordinator

External Examiner

Date: College Seal

Table of Contents

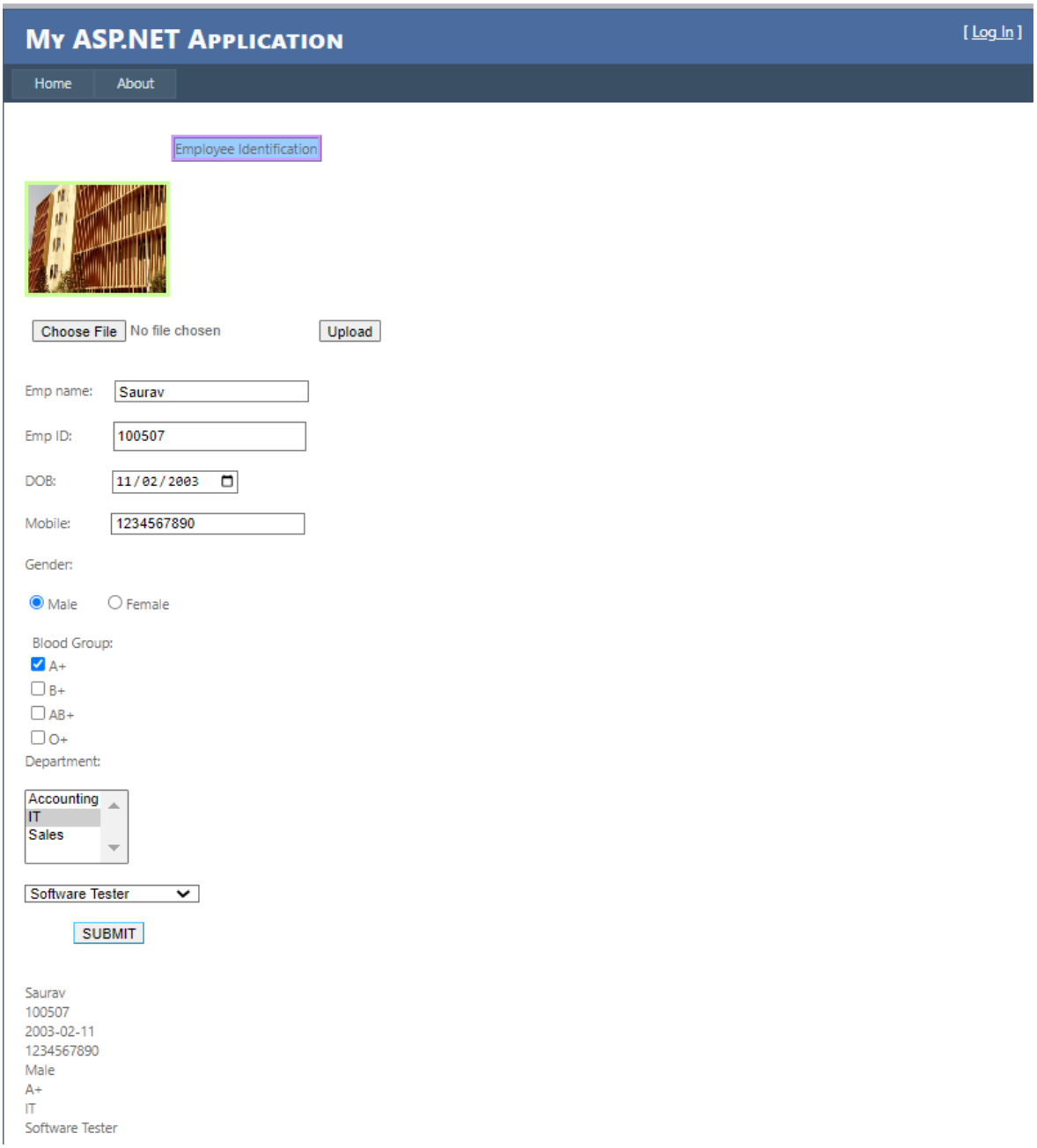
1) Create an employee Id card with required controls.

C# code:

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

namespace Saurav_emp_id
{
   public partial class _Default : System.Web.UI.Page
   {
      String[] A = { "Inventory Management", "Financial Control","Budgeting" };
      String[] I = { "Programmer", "Network Administrator", "Software Tester" };
      String[] S = { "Marketing", "Advertising", "Production" };

      protected void Page_Load(object sender, EventArgs e)
      {

         if (!IsPostBack)
         {
            CheckBoxList1.Items.Add(new ListItem("A+", "A+"));
            CheckBoxList1.Items.Add(new ListItem("B+", "B+"));
            CheckBoxList1.Items.Add(new ListItem("AB+", "AB+"));
            CheckBoxList1.Items.Add(new ListItem("O+", "O+"));

            ListBox1.Items.Add("Accounting");
            ListBox1.Items.Add("IT");
            ListBox1.Items.Add("Sales");
         }
      }

      protected void CheckBoxList1_SelectedIndexChanged(object sender, EventArgs e)
      {

      }

      protected void Button1_Click(object sender, EventArgs e)
      {
        if(FileUpload1.HasFile)
         {
            string filenm = System.IO.Path.GetFileName(FileUpload1.PostedFile.FileName);
            FileUpload1.PostedFile.SaveAs(Server.MapPath("~/") + filenm);
            Image1.ImageUrl = filenm;
         }
         else
         {
            Response.Write("Please Select File");
         }
      }
```

```
    protected void Button2_Click(object sender, EventArgs e)
    {
        String value ="";
        bool ischecked = RadioButton1.Checked;
        if (ischecked == true)
            value = RadioButton1.Text;
        else
            value = RadioButton2.Text;

        Label7.Text = TextBox1.Text + "";
        Label10.Text = TextBox2.Text + "";
        Label11.Text = TextBox3.Text + "";
        Label12.Text = TextBox4.Text + "";
        Label13.Text = RadioButton1.Text + "";
        Label14.Text = CheckBoxList1.Text + "";
        Label15.Text = ListBox1.Text + "";
        Label16.Text = DropDownList1.Text + "";


    }

    protected void ListBox1_SelectedIndexChanged(object sender, EventArgs e)
    {
        if (ListBox1.SelectedIndex == 0)
            DropDownList1.DataSource = A;
        else if (ListBox1.SelectedIndex==1)
            DropDownList1.DataSource = I;
        else if (ListBox1.SelectedIndex==2)
            DropDownList1.DataSource = S;
        DropDownList1.DataBind();

    }

  }
}
```

Output:

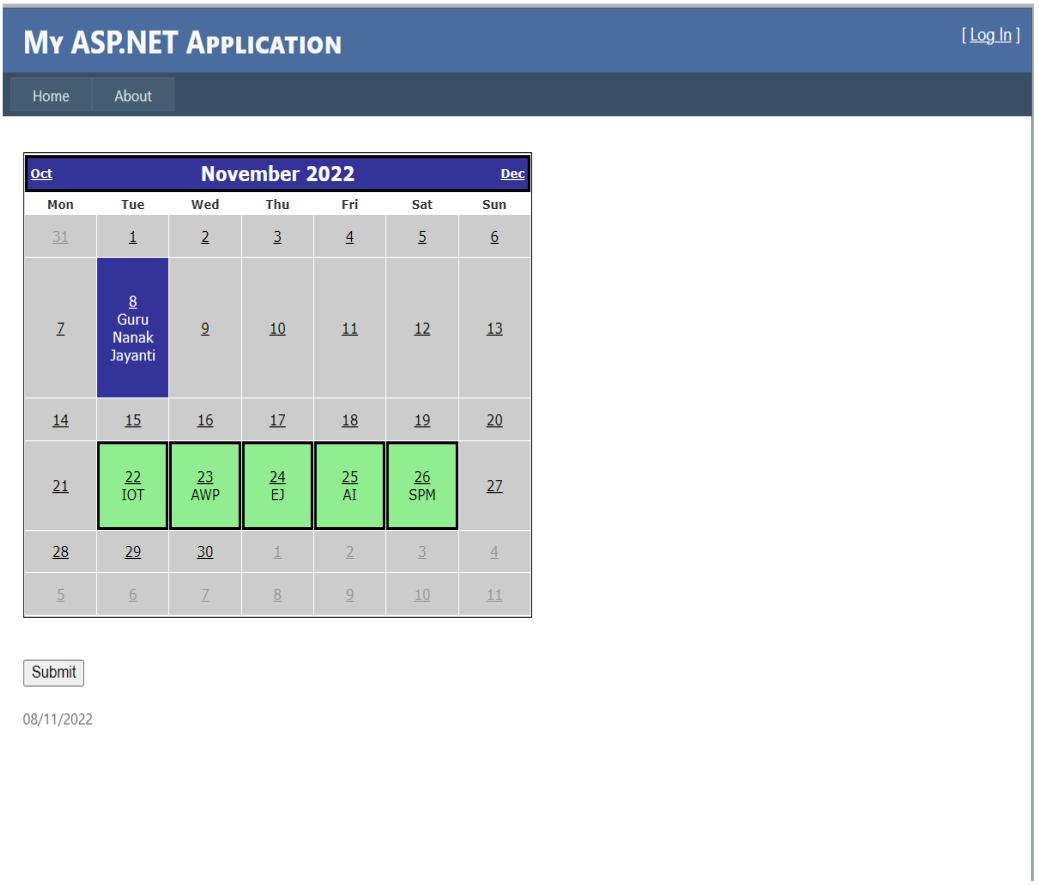

My ASP.NET Application
[Log In]
Home
About
Employee Identification
Choose File
No file chosen
Upload
Emp name:
Saurav
Emp ID:
100507
DOB:
11/02/2003
Mobile:
1234567890
Gender:
Male
Female
Blood Group:
A+
B+
AB+
O+
Department:
Accounting
IT
Sales
Software Tester
SUBMIT
Saurav
100507
2003-02-11
1234567890
Male
A+
IT
Software Tester

2) Create a Calendar of the month November.

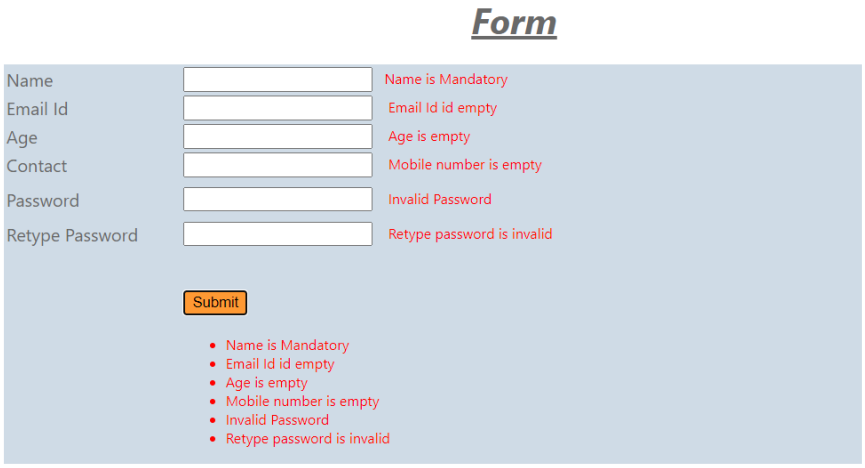
C# code:

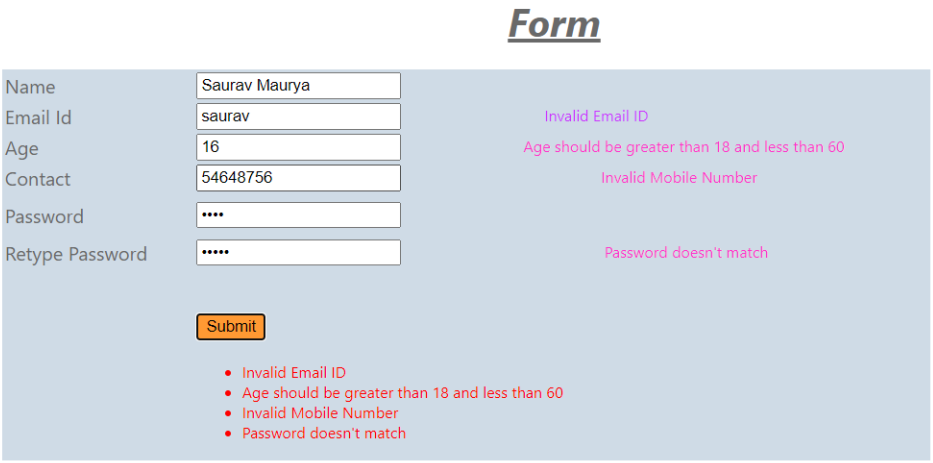
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Saurav_Calender_26
{
   public partial class _Default : 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, 11, 22)) && (e.Day.Date <= new DateTime(2022, 11,
26)))
         {
            e.Cell.BackColor = System.Drawing.Color.LightGreen;
            e.Cell.BorderColor = System.Drawing.Color.Black;
            e.Cell.BorderWidth = new Unit(3);
         }

          if (e.Day.Date.Day == 8 && e.Day.Date.Month == 11)
            e.Cell.Controls.Add(new LiteralControl("</br> Guru Nanak Jayanti "));
         if (e.Day.Date.Day == 22 && e.Day.Date.Month == 11)
            e.Cell.Controls.Add(new LiteralControl("</br> IOT"));
         if (e.Day.Date.Day == 23 && e.Day.Date.Month == 11)
            e.Cell.Controls.Add(new LiteralControl("</br> AWP"));
         if (e.Day.Date.Day == 24 && e.Day.Date.Month == 11)
            e.Cell.Controls.Add(new LiteralControl("</br> EJ"));
         if (e.Day.Date.Day == 25 && e.Day.Date.Month == 11)
            e.Cell.Controls.Add(new LiteralControl("</br> AI"));
         if (e.Day.Date.Day == 26 && e.Day.Date.Month == 11)
            e.Cell.Controls.Add(new LiteralControl("</br> SPM"));
      }

      protected void Calendar1_SelectionChanged(object sender, EventArgs e)
      {
         Label1.Text = Calendar1.TodaysDate.ToShortDateString();
         Label1.Text = Calendar1.SelectedDate.ToShortDateString();
      }
   }
}
```

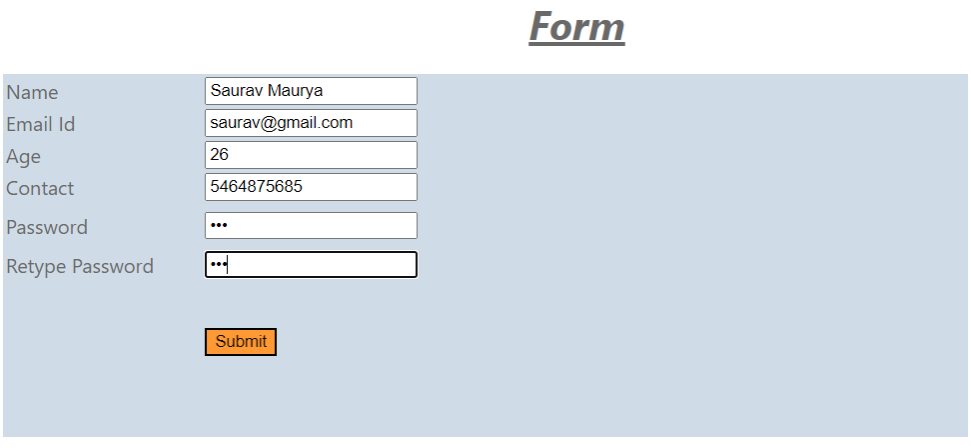
Output :


My ASP.NET Application
[Log In]
Home
About
Oct
November 2022
Dec
Mon Tue Wed Thu Fri Sat Sun
31 1 2 3 4 5 6
7 8 Guru Nanak Jayanti 9 10 11 12 13
14 15 16 17 18 19 20
21 22 IOT 23 AWP 24 EJ 25 AI 26 SPM 27
28 29 30 1 2 3 4
5 6 7 8 9 10 11
Submit
08/11/2022

3) Write ASP.Net program to demonstrate all the validation.





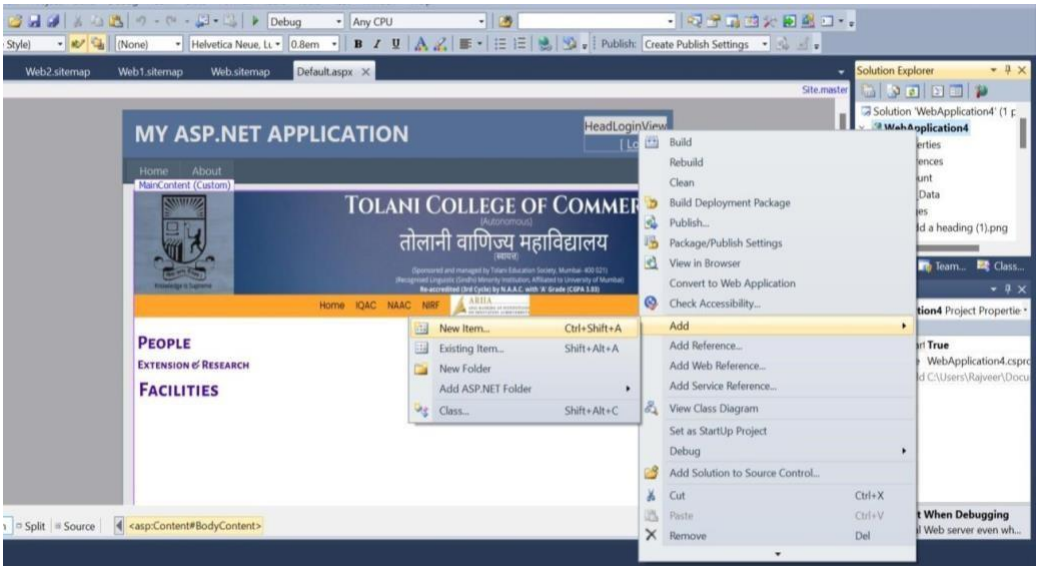


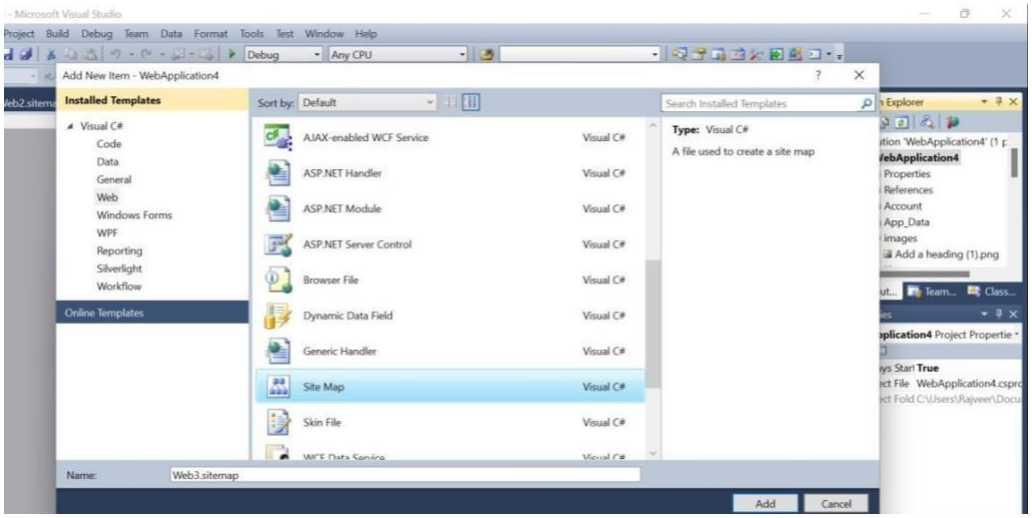
4) Create a website with following menus and sub menus attached with different required webpages.

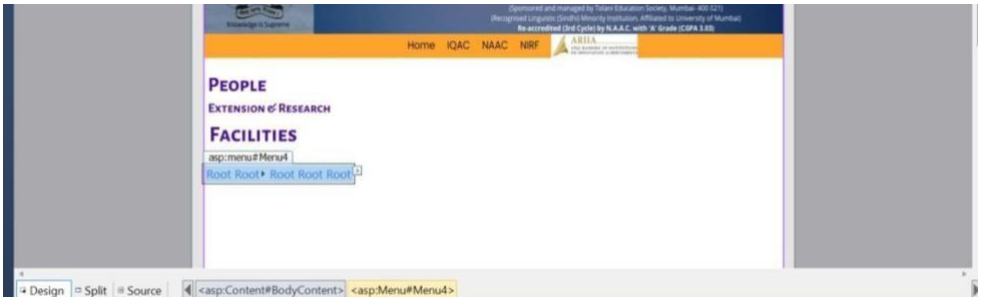
Code:

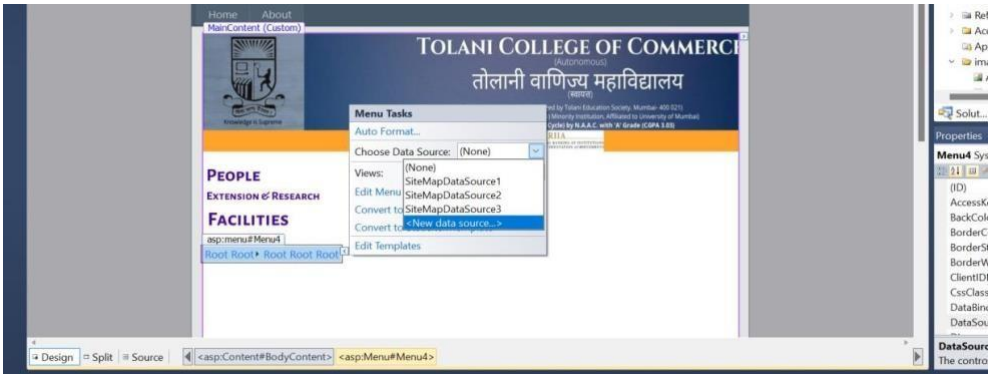
```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
  <siteMapNode url="" title=""  description="root">
    <siteMapNode url="" title="people "  description="" >
      <siteMapNode url="https://tcc.tolani.edu/faculty-members-2/” title=" Faculty member "
description="" />
      <siteMapNode url=" https://tcc.tolani.edu/administrative-staff-2/" title="Administrative staff
" description="" />
  <siteMapNode url=" https://tcc.tolani.edu/faculty-staff-development/" title=" Faculty and staff
development " description="" />

    </siteMapNode>
    <siteMapNode url="" title="Extension and research "  description="" >
      <siteMapNode url=" https://tcc.tolani.edu/ipr-cell/" title="IPR cell"  description="" />
      <siteMapNode url=" https://tcc.tolani.edu/hepsm/" title="HEPSM"  description="" />
      <siteMapNode url=" https://tcc.tolani.edu/cwdc/" title="CWDC"  description="" />
    </siteMapNode>
      <siteMapNode url=" https://tcc.tolani.edu/resources-and-facilities/" title="Facilities "
description="" />

    </siteMapNode>
  </siteMapNode>
</siteMap>
```

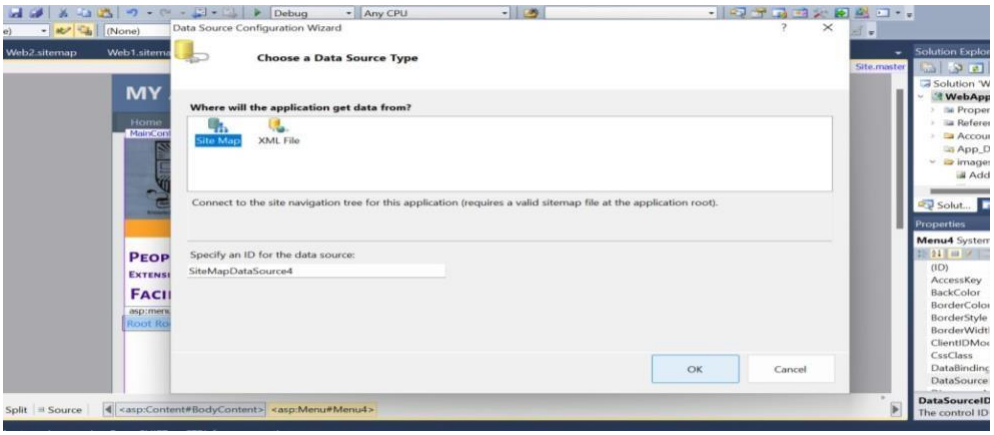
Steps for sitemap and menu:

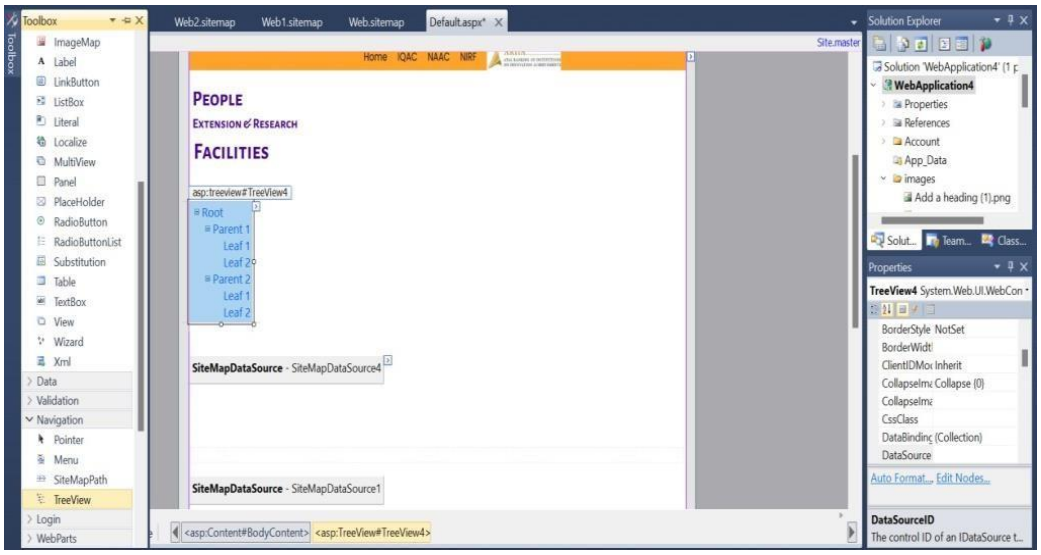


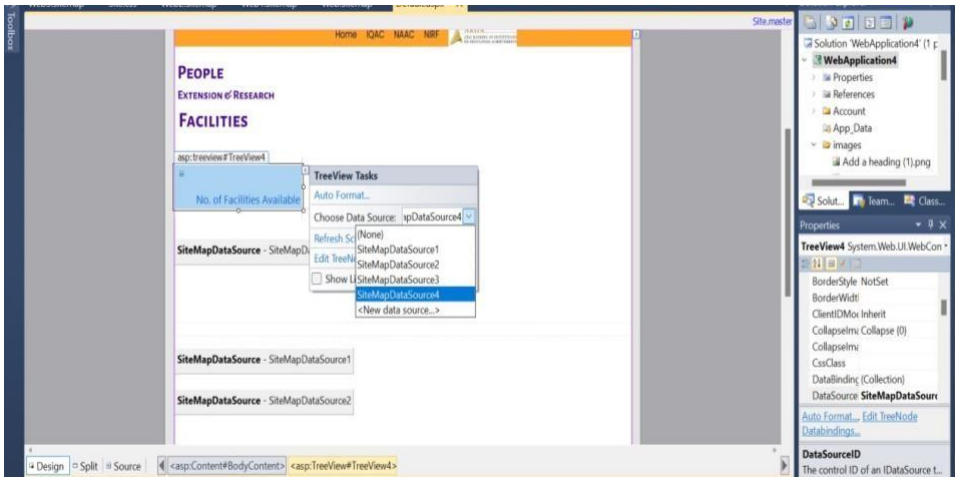

Add New Item - WebApplication4
Installed Templates
Visual C#
Code
Data
General
Web
Windows Forms
WPF
Reporting
Silverlight
Workflow
Online Templates
Sort by: Default
AJAX-enabled WCF Service
ASP.NET Handler
ASP.NET Module
ASP.NET Server Control
Browser File
Dynamic Data Field
Generic Handler
Site Map
Skin File
Type: Visual C#
A file used to create a site map
Name: Web3.sitemap
Add
Cancel


Home IQAC NAAC NIRF
PEOPLE
EXTENSION & RESEARCH
FACILITIES
asp:menu#Menu4
Root Root Root Root Root
Design
Split
Source
<asp:Content#BodyContent>
<asp:Menu#Menu4>


Home
About
MainContent (Custom)
TOLANI COLLEGE OF COMMERCE
तोलानी वाणिज्य महाविद्यालय
Menu Tasks
Auto Format...
Choose Data Source: (None)
Views:
Edit Menu
Convert to
Edit Templates
(None)
SiteMapDataSource1
SiteMapDataSource2
SiteMapDataSource3
<New data source...>
PEOPLE
EXTENSION & RESEARCH
FACILITIES
asp:menu#Menu4
Root Root Root Root Root
Design
Split
Source
<asp:Content#BodyContent>
<asp:Menu#Menu4>


Data Source Configuration Wizard
Choose a Data Source Type
Where will the application get data from?
Site Map
XML File
Connect to the site navigation tree for this application (requires a valid sitemap file at the application root).
Specify an ID for the data source:
SiteMapDataSource4
OK
Cancel
Split
Source
<asp:Content#BodyContent>
<asp:Menu#Menu4>

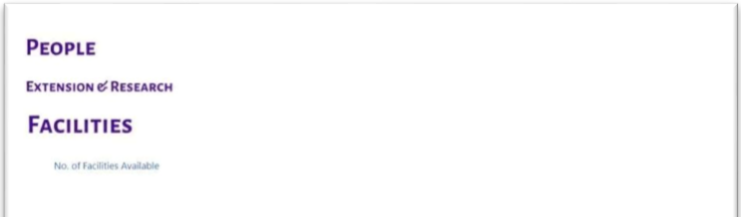

Toolbox
ImageMap
Label
LinkButton
ListBox
Literal
Localize
MultiView
Panel
PlaceHolder
RadioButton
RadioButtonList
Substitution
Table
TextBox
View
Wizard
Xml
Data
Validation
Navigation
Pointer
Menu
SiteMapPath
TreeView
Login
WebParts
Web2.sitemap
Web1.sitemap
Web.sitemap
Default.aspx*
Site.master
Home IQAC NAAC NIRF
PEOPLE
EXTENSION & RESEARCH
FACILITIES
asp:treeview#TreeView4
Root
Parent 1
Leaf 1
Leaf 2
Parent 2
Leaf 1
Leaf 2
SiteMapDataSource - SiteMapDataSource4
SiteMapDataSource - SiteMapDataSource1
<asp:Content#BodyContent>
<asp:TreeView#TreeView4>
Solution Explorer
Solution 'WebApplication4' (1 p
WebApplication4
Properties
References
Account
App_Data
images
Add a heading (1).png
Solut...
Team...
Class...
Properties
TreeView4 System.Web.UI.WebCon
BorderStyle NotSet
BorderWidt
ClientIDMo Inherit
CollapseIm Collapse (0)
CollapseIma
CssClass
DataBindin (Collection)
DataSource
Auto Format... Edit Nodes...
DataSourceID
The control ID of an IDataSource t...


Site.master
Home IQAC NAAC NIRF
PEOPLE
EXTENSION & RESEARCH
FACILITIES
asp:treeview#TreeView4
No. of Facilities Available
TreeView Tasks
Auto Format...
Choose Data Source:
(None)
SiteMapDataSource1
SiteMapDataSource2
SiteMapDataSource3
SiteMapDataSource4
<New data source...>
SiteMapDataSource - SiteMapDataSource1
SiteMapDataSource - SiteMapDataSource2
Design
Split
Source
<asp:Content#BodyContent>
<asp:TreeView#TreeView4>
Solution Explorer
WebApplication4
Properties
References
Account
App_Data
images
Add a heading (1).png
Properties
TreeView4 System.Web.UI.WebCon
BorderStyle NotSet
BorderWidt
ClientIDMo Inherit
CollapseIm Collapse (0)
CollapseIma
CssClass
DataBindin (Collection)
DataSource SiteMapDataSourc
Auto Format... Edit TreeNode
Databindings...
DataSourceID
The control ID of an IDataSource t...

Output :


PEOPLE
Faculty Members
Administrative Staff
Faculty and Staff Development
EXTENSION & RESEARCH
FACILITIES


PEOPLE
EXTENSION & RESEARCH
IPR Cell
HEPSN
CWDC
FACILITIES

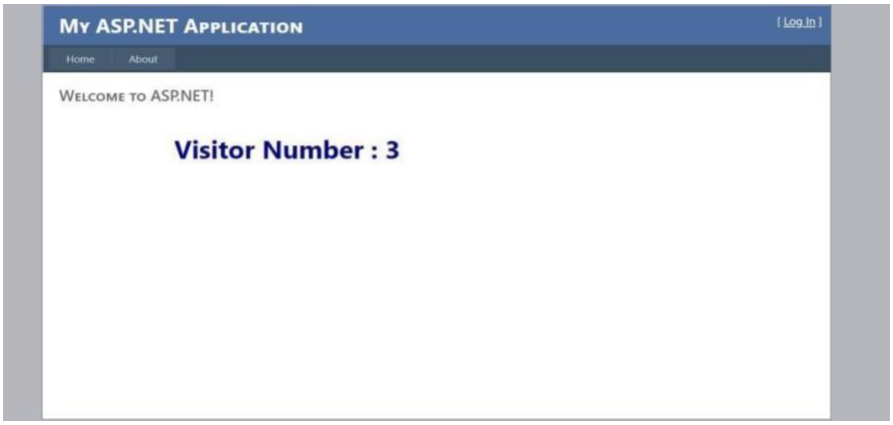

PEOPLE
EXTENSION & RESEARCH
FACILITIES
No. of Facilities Available

5) Write ASP.Net program to create a website to count number of visitors and show it on the webpage.

C# code:

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

namespace Saurav_global
{
   public partial class _Default : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {
         Label1.Text = "Visitor Number " + Application["count"].ToString();
      }
   }
}
```

Output:

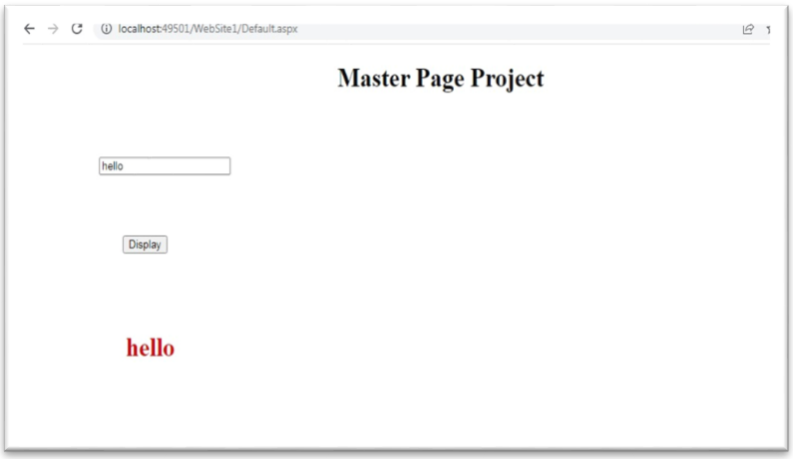


6) Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.

C# 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 _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Text = TextBox1.Text;
    }
    protected void TextBox1_TextChanged(object sender, EventArgs e)
    {

    }
```

OUTPUT :

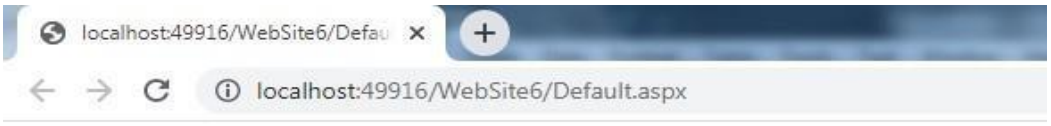


7) Create a web application to demonstrate GridView paging and Creating own table format using GridView.

Steps:

a. New website-> empty website
b. Right click on website name
c. Add new item-> Sql Server database (.mdf)
d. Right click on table->add new table
e. Create table -> click on the arrow sign of roll no. column in the beginning
f. Ctrl+6 -> save (give table name as student)
g. Right click -> student
h. Add values to student table
i. Add web form-> Go to toolbox -> click on data -> Grid view -> choose data source -> new data source
j. Click data -> ok
k. Go to arrow sign -> database.mdf -> next -> next
l. Click advance ->check the update, insert option -> next -> finish
m. Click on the arrow sign of Grid view -> click on enable editing, deleting, paging.

OUTPUT :



Roll_no	Name	Class	Phone	Email
1	Sakshi	TYBscIT	8763314	sak123@gmail.com
2	Arbina	TYBscIT	8754465	arb765@gmail.com
3	Anjali	TYBscIT	8646546	anj543@gmail.com

8) Create a simple web page containing the student details (RollNo, Name, Class, Phone, Email). Write a program to store the data in the database and retrieve it using Detail view control.

Steps :

a. New website-> empty website
b. Right click on website name
c. Add new item-> Sql Server database (.mdf)
d. Right click on table->add new table
e. Create table -> click on the arrow sign of roll no. column in the beginning
f. Ctrl+6 -> save (give table name as student)
g. Right click -> student
h. Add values to student table
i. Add web form-> Go to toolbox -> click on data -> Detail view -> choose data source -> new data source
j. Click data -> ok
k. Go to arrow sign -> database.mdf -> next -> next
l. Click advance ->check the update, insert option -> next -> finish
m. Click on the arrow sign of detail view -> click on enable editing, deleting, paging.

OUTPUT:

Roll_no	1
Name	Sakshi
Class	TYBscIT
Phone	8763314
Email	sak123@gmail.com

1 2 3

9) Create a table with records and retrieve those using data access in a form view.

C# code:

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

public partial class _Default : System.Web.UI.Page
{
   string s = "Data
Source=.\\SQLEXPRESS;AttachDbFilename=C:\\Users\\ADMIN\\Documents\\Visual Studio
2010\\WebSites\\WebSite2\\App_Data\\Database.mdf;Integrated Security=True;User
Instance=True";
   protected void Page_Load(object sender, EventArgs e)
   {
      SqlConnection con = new SqlConnection(s);
      string com = "Select*from Product";
      SqlDataAdapter adpt = new SqlDataAdapter(com, con);
      DataTable dt = new DataTable();
      adpt.Fill(dt);
      DropDownList1.DataSource = dt;
      DropDownList1.DataBind();

      DropDownList1.DataTextField = "Pro_id";
      DropDownList1.DataValueField = "Pro_id";
      DropDownList1.DataBind();
      Label1.Text = "Medicine record found";
   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      SqlConnection con = new SqlConnection(s);
      SqlCommand cmd = new SqlCommand("select*from Product where Pro_id = " +
DropDownList1.SelectedValue + "", con);
      SqlDataAdapter Adpt = new SqlDataAdapter(cmd);
      DataTable dt = new DataTable();
      Adpt.Fill(dt);
      FormView1.DataSource = dt;
      FormView1.DataBind();
```

```
    }
}
```

OUTPUT:

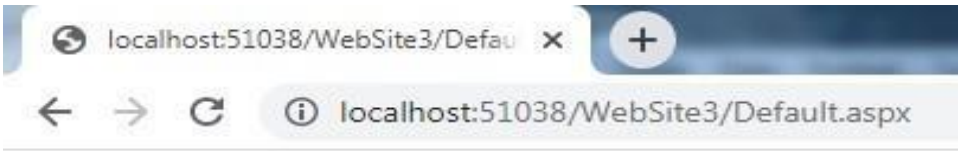

localhost:50140/WebSite2/Defau
localhost:50140/WebSite2/Default.aspx
1
Button
Pro_name: Pan-D
Pro_id: 1
Stock: 12
Price: 350
Medicine record found

10) Create a web application to demonstrate UpdatePanel and Timer Ajax control.

C# 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 _Default : System.Web.UI.Page
{
   string time = DateTime.Now.ToLongTimeString();
   protected void Page_Load(object sender, EventArgs e)
   {

   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      Label1.Text = "Showing time from panel " + time;
      Label2.Text = "Showing time from panel " + time;
   }
   protected void Button2_Click(object sender, EventArgs e)
   {
      Label1.Text = "Showing time from panel " + time;
      Label2.Text = "Showing time from panel " + time;
   }
   }
```

OUTPUT :



Inside Update Panel

Showing time from panel 1:55:47 PM

Outside Update Panel

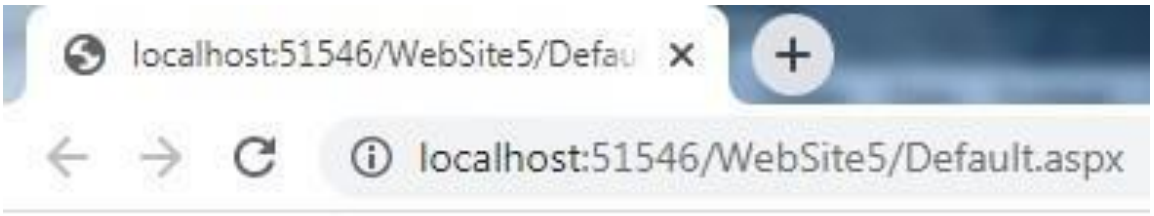
Showing time from panel 1:55:42 PM

11) Create a website with update progress Ajax control.

C# 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 _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        System.Threading.Thread.Sleep(5000);
        Label1.Text = "Processing Completed";
    }
}
```

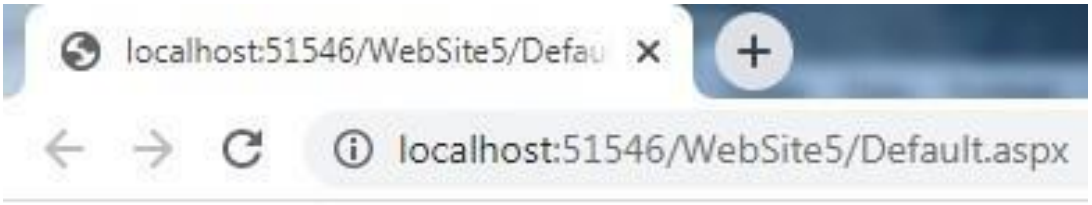
OUTPUT:



Button

Label

Wait for a while.....



Button

Processing Completed