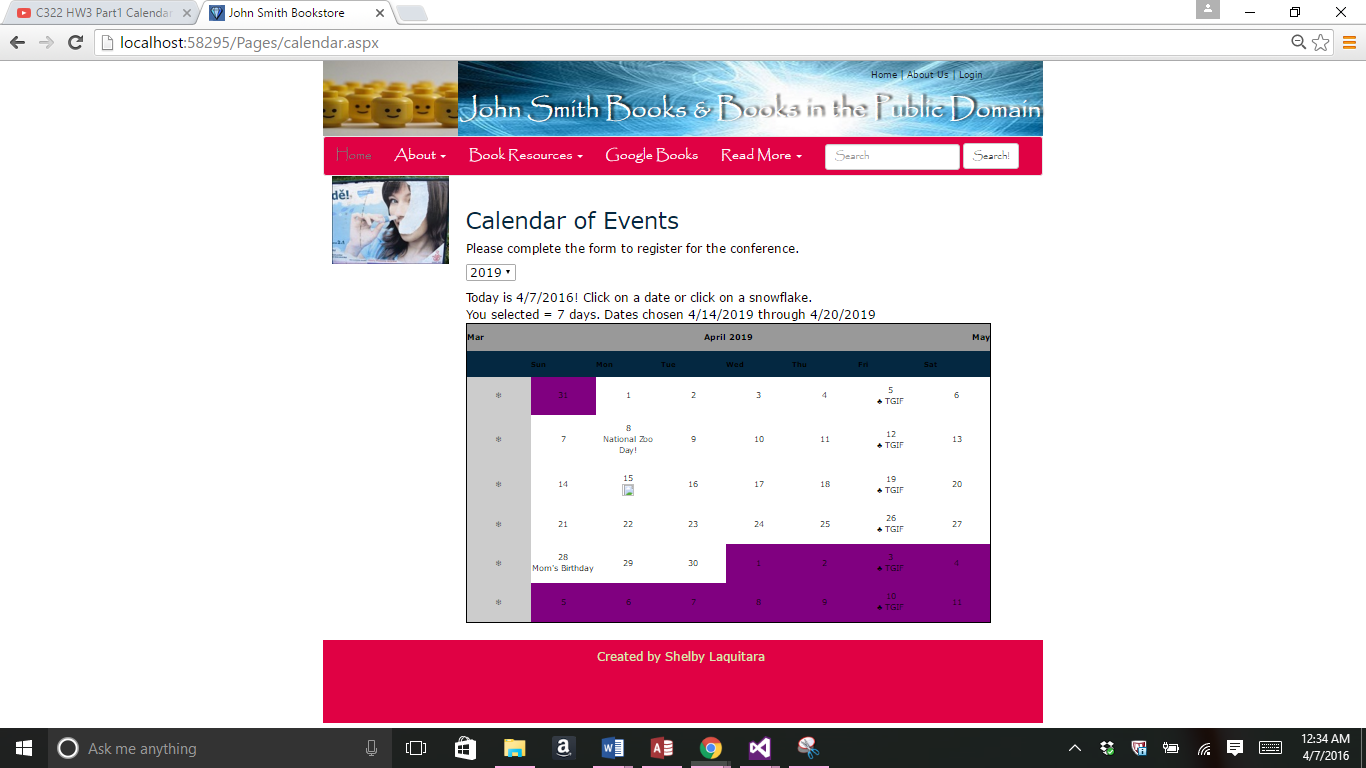
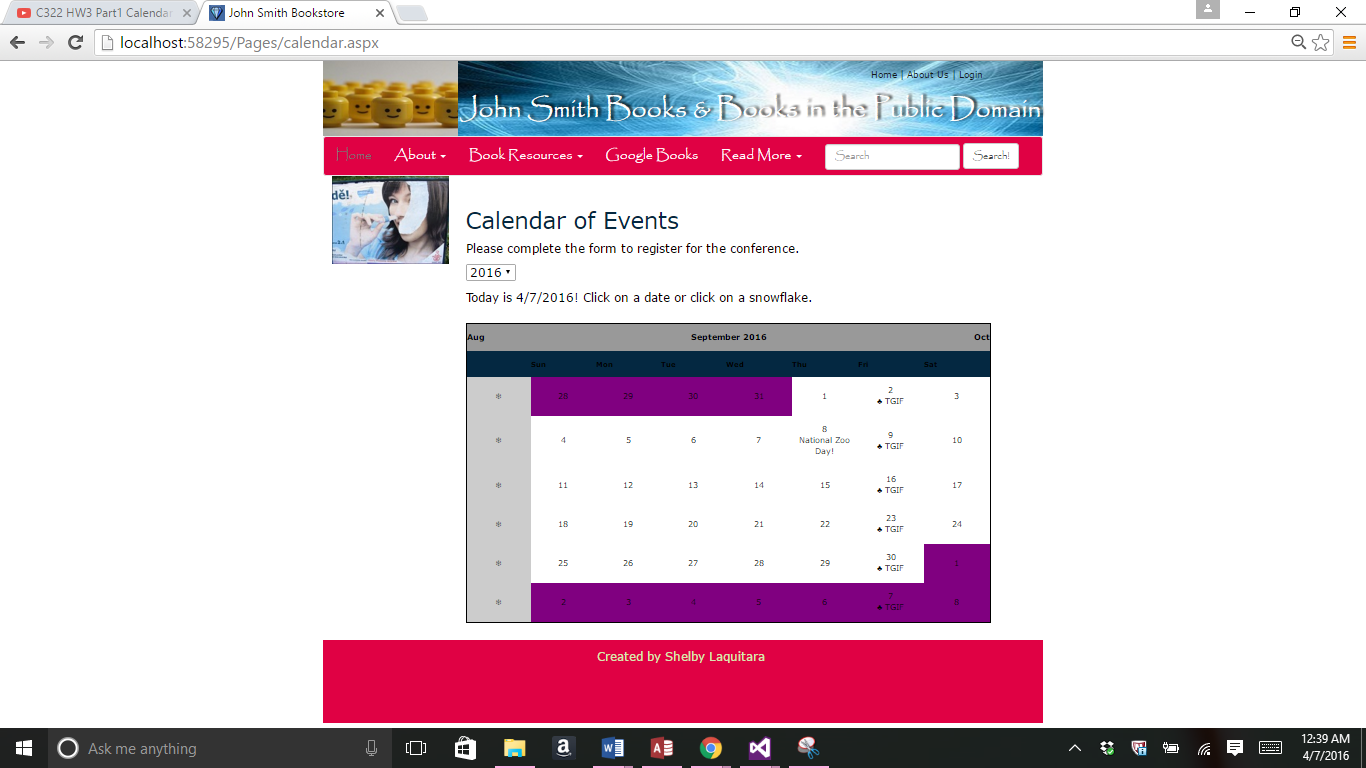
Part 2-

//screenshot calendar.aspx in browser



//code for calendar.aspx

<%@ Page Title="" Language="C#" MasterPageFile="~/Homework.Master" AutoEventWireup="true"

CodeBehind="calendar.aspx.cs" Inherits="Project.Pages.calendar" %>

<asp:Content ID="Content1" ContentPlaceHolderID="HeadSection" runat="server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentSection" runat="server">

<br />

<div id="pageheader">

<h2>Calendar of Events</h2>

<p id="message" runat="server">

Please complete the form to register for the conference.

</p>

<p runat="server">

<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"

OnSelectedIndexChanged="DropDownList1\_SelectedIndexChanged">

</asp:DropDownList>

</p>

<asp:Label ID="Label1" runat="server" Text=""></asp:Label> <br />

<asp:Label ID="Label2" runat="server" Text=""></asp:Label>

<br />

</div>

<asp:Calendar ID="Calendar1" runat="server" BackColor="White" BorderColor="Black"

CellPadding="4" Font-Names="Verdana" Font-Size="8pt"

ForeColor="Black" Height="400px" SelectionMode="DayWeek" Width="700px"

FirstDayOfWeek="Sunday" NextPrevFormat="ShortMonth" SelectWeekText="&#x2744"

OnSelectionChanged="Calendar1\_SelectionChanged"

OnVisibleMonthChanged="Calendar1\_VisibleMonthChanged" OnDayRender="Calendar1\_DayRender">

<DayHeaderStyle BackColor="#CCCCCC" Font-Bold="True" Font-Size="7pt" />

<NextPrevStyle VerticalAlign="Bottom" />

<OtherMonthDayStyle ForeColor="#999999" />

<SelectedDayStyle BackColor="#333399" ForeColor="White" />

<SelectorStyle BackColor="#CCCCCC" />

<TitleStyle BackColor="#999999" BorderColor="Black" Font-Bold="True" />

<TodayDayStyle BackColor="#CCCCCC" ForeColor="Black" />

<WeekendDayStyle BackColor="#FFFFCC" />

</asp:Calendar>

</asp:Content>

//code for calendar.aspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Project.Pages

{

public partial class calendar : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (IsPostBack == true)

{

}

else

{

populateYear();

formatCalendar();

resetCalendar();

// Calendar1.VisibleDate = new DateTime ([year], [month], [day]);

Calendar1.VisibleDate = new DateTime(2016, 9, 1);

}

}

//reset the calendar

public void resetCalendar()

{

Calendar1.SelectedDates.Clear();

Label1.Text = "Today is " + Calendar1.TodaysDate.ToShortDateString()

+ "! Click on a date or click on a snowflake.";

Label2.Text = "";

}

public void formatCalendar()

{

Calendar1.BackColor = System.Drawing.Color.White;

Calendar1.DayHeaderStyle.BackColor = System.Drawing.Color.FromArgb(0x79042841);

}

public void populateYear()

{

ListItemCollection MyList = new ListItemCollection();

int currYear = System.DateTime.Today.Year;

for (int y = 0; y < 10; y = y + 1)

{

MyList.Add(new ListItem(Convert.ToString(currYear + y), Convert.ToString(y)));

}

DropDownList1.DataSource = MyList;

DropDownList1.DataBind();

}

protected void Calendar1\_VisibleMonthChanged(object sender, MonthChangedEventArgs e)

{

resetCalendar();

}

protected void DropDownList1\_SelectedIndexChanged(object sender, EventArgs e)

{

Calendar1.VisibleDate =

new DateTime(Convert.ToInt32(DropDownList1.SelectedValue),

Calendar1.TodaysDate.Month, 1);

resetCalendar();

}

protected void Calendar1\_SelectionChanged(object sender, EventArgs e)

{

string results = "";

if (Calendar1.SelectedDates.Count == 0)

{

results = "Pick a date";

}

else if ((Calendar1.SelectedDates.Count == 1)

&& (Calendar1.SelectedDate.Date != DateTime.MinValue.Date))

{

results = "You selected = " + Calendar1.SelectedDate.ToShortDateString();

}

else if (Calendar1.SelectedDates.Count > 0)

{

string startdate = ""; string enddate = "";

int last = Calendar1.SelectedDates.Count - 1;

for (int i = 0; i <= last; i++)

{

startdate = Calendar1.SelectedDates[0].ToShortDateString();

enddate = Calendar1.SelectedDates[last].ToShortDateString();

}

results = "You selected = " + Calendar1.SelectedDates.Count +

" days. Dates chosen " + startdate + " through " + enddate;

}

else

{

results = "Please pick a date";

}

Label2.Text = results;

}

protected void Calendar1\_DayRender(object sender, DayRenderEventArgs e)

{

LiteralControl br = new LiteralControl("<br />");

if (e.Day.Date.Day == 28 && Calendar1.VisibleDate.Month == 4)

{

string msg1 = "Mom's Birthday";

e.Cell.Controls.Add(br);

e.Cell.Controls.Add(new LiteralControl(msg1));

}

if (e.Day.Date.Day == 8 && !e.Day.IsOtherMonth)

{

HyperLink myLink = new HyperLink();

myLink.NavigateUrl = "http://www.kansascityzoo.org/";

myLink.Text = "<br /> National Zoo Day!";

myLink.Target = "\_blank";

e.Cell.Controls.Add(br);

e.Cell.Controls.Add(myLink);

}

if (e.Day.Date.Day == 13 && e.Day.Date.Month == 4)

{

Image myImage = new Image();

myImage.AlternateText = "LOC Logo";

myImage.ImageUrl = "/App\_Theme/MyTheme/Images/Logo.jpg";

myImage.Height = 16;

myImage.Width = 16;

e.Cell.Controls.Add(br);

e.Cell.Controls.Add(myImage);

}

if (e.Day.Date.DayOfWeek == DayOfWeek.Friday)

{

string msg2 = "&clubs; TGIF";

e.Cell.Controls.Add(br);

e.Cell.Controls.Add(new LiteralControl(msg2));

}

if (!e.Day.IsOtherMonth && !e.Day.IsWeekend)

{

e.Cell.ForeColor = System.Drawing.Color.Black;

e.Cell.BackColor = System.Drawing.Color.White;

}

else if (e.Day.IsOtherMonth)

{

e.Cell.ForeColor = System.Drawing.Color.Black;

e.Cell.BackColor = System.Drawing.Color.Purple;

}

else if (e.Day.IsWeekend)

{

e.Cell.ForeColor = System.Drawing.Color.Black;

e.Cell.BackColor = System.Drawing.Color.White;

}

else

{

e.Cell.BackColor = System.Drawing.Color.White;

e.Cell.ForeColor = System.Drawing.Color.White;

}

}

}

}

//Part 3

//Ads.xml code

<?xml version="1.0" encoding="utf-8" ?>

<Advertisments>

<Ad>

<ImageUrl>~/Images/Ads/alice.jpg</ImageUrl>

<height>200</height>

<width>300</width>

<NavigationUrl>http://www.gutenberg.org/files/28885/28885-h/28885-h.htm/</NavigationUrl>

<AlternateText>Alice's Adventures in Wonderland, Lewis Carroll, 2009</AlternateText>

<Impressions>80</Impressions>

<Keyword>alice</Keyword>

</Ad>

<Ad>

<ImageUrl>~/Images/Ads/galaxy.jpg</ImageUrl>

<height>200</height>

<width>300</width>

<NavigationUrl>http://www.gutenberg.org/files/51681/51681-h/51681-h.htm/</NavigationUrl>

<AlternateText>Amateur in Chancery, George O. Smith, 2016</AlternateText>

<Impressions>80</Impressions>

<Keyword>Galaxy</Keyword>

</Ad>

<Ad>

<ImageUrl>~/Images/Ads/lion.jpg</ImageUrl>

<height>200</height>

<width>300</width>

<NavigationUrl>http://www.gutenberg.org/files/38208/38208-h/38208-h.htm/</NavigationUrl>

<AlternateText>Animal Story Book, Various, 2011</AlternateText>

<Impressions>80</Impressions>

<Keyword>Lion</Keyword>

</Ad>

<Ad>

<ImageUrl>~/Images/Ads/ozmaOfOz.jpg</ImageUrl>

<height>200</height>

<width>300</width>

<NavigationUrl>http://www.gutenberg.org/files/33361/33361-h/33361-h.htm/</NavigationUrl>

<AlternateText>Ozma of Oz, L. Frank Baum, 2010</AlternateText>

<Impressions>80</Impressions>

<Keyword>Ozma</Keyword>

</Ad>

<Ad>

<ImageUrl>~/Images/Ads/storiesOfOz.jpg</ImageUrl>

<height>200</height>

<width>300</width>

<NavigationUrl>http://www.gutenberg.org/files/25519/25519-h/25519-h.htm/</NavigationUrl>

<AlternateText>Little Wizard Stories of Oz, L. Frank Baum, 2008</AlternateText>

<Impressions>80</Impressions>

<Keyword>Oz</Keyword>

</Ad>

</Advertisments>

//code used to insert the add in the ASP page

<!-- insert the AdRotator here -->

<asp:AdRotator ID="AdRotator1" runat="server"

AdvertisementFile="~/App\_Data/ads.xml"

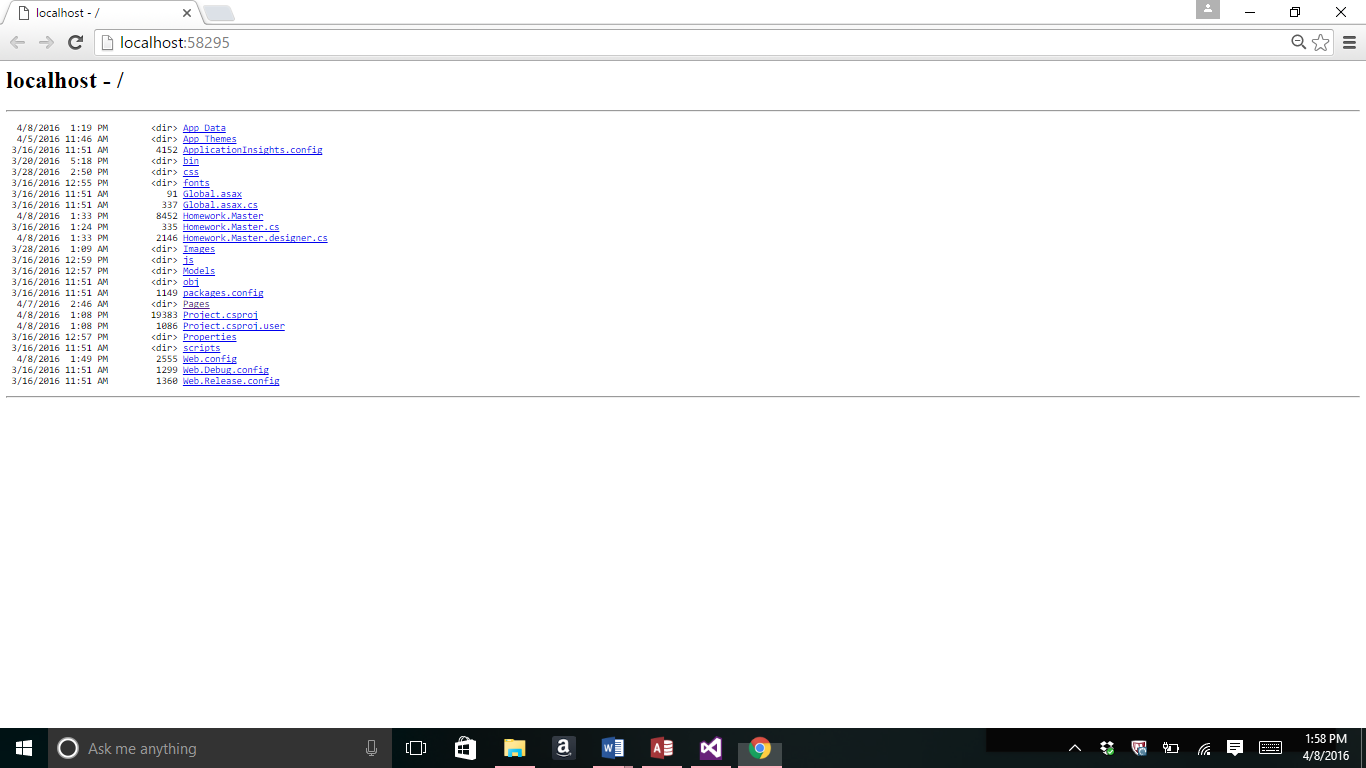
Height="130px" Width="175px"

KeywordFilter="alice" />

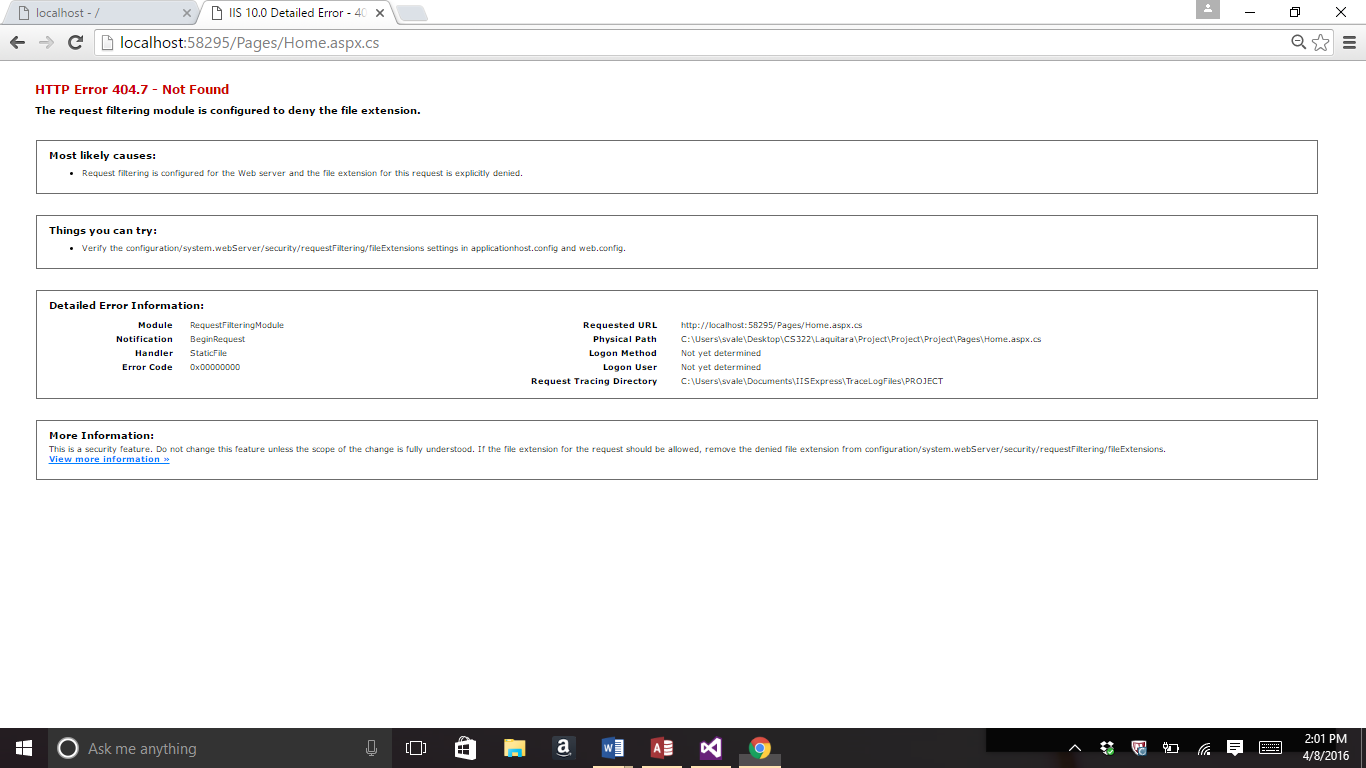
<br /><br />

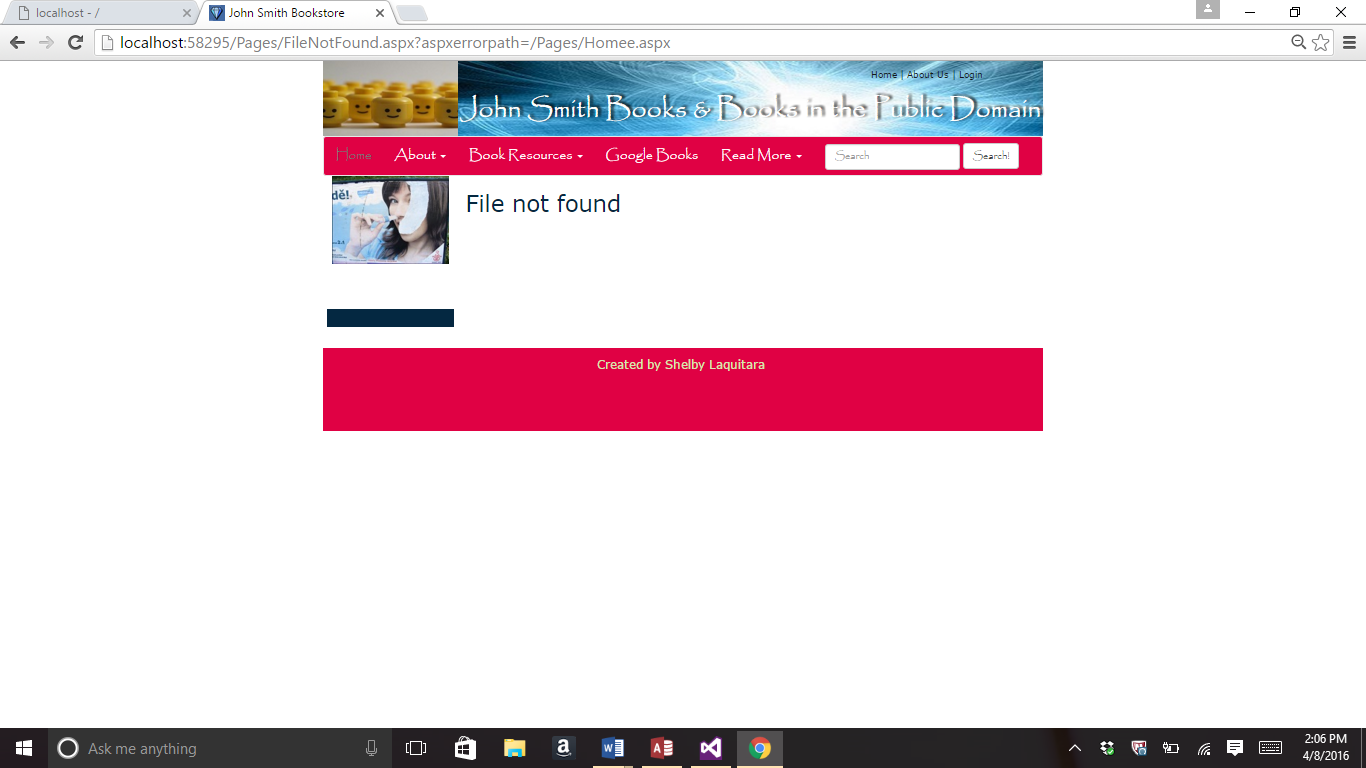
//Part 4

//screenshot of web.config in browser



//screenshot of Home.aspx in browser





//code from web.config

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

http://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<system.web>

<!-- Set the theme-->

<pages theme="MyTheme"/>

<trace enabled="true" pageOutput="false" requestLimit="40"

localOnly="false"/>

<!-- On Off RemoteOnly (We can see the error but not customers!-->

<customErrors mode="On" defaultRedirect="~/Pages/GenericError.aspx">

<error statusCode="403" redirect="~/Pages/NoAcess.aspx"/>

<error statusCode="404" redirect="~/Pages/FileNotFound.aspx" />

<error statusCode="400" redirect="~/Pages/GenericError.aspx"/>

</customErrors>

<urlMappings enabled="true">

<add url="~/web.config" mappedUrl="~/Pages/GenericError.aspx"/>

<add url="~/App\_Data" mappedUrl="~/Pages/GenericError.aspx"/>

</urlMappings>

<compilation debug="true" targetFramework="4.5.2"

optimizeCompilations="true" />

<httpRuntime targetFramework="4.5.2"/>

<httpModules>

<add name="ApplicationInsightsWebTracking" type="Microsoft.ApplicationInsights.Web.ApplicationInsightsHttpModule, Microsoft.AI.Web"/>

</httpModules>

</system.web>

<system.codedom>

<compilers>

<compiler language="c#;cs;csharp" extension=".cs"

type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"

warningLevel="4" compilerOptions="/langversion:6 /nowarn:1659;1699;1701"/>

<compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"

type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"

warningLevel="4" compilerOptions="/langversion:14 /nowarn:41008 /define:\_MYTYPE=\&quot;Web\&quot; /optionInfer+"/>

</compilers>

</system.codedom>

<system.webServer>

<directoryBrowse enabled="true"/>

<validation validateIntegratedModeConfiguration="false"/>

<modules>

<remove name="ApplicationInsightsWebTracking"/>

<add name="ApplicationInsightsWebTracking" type="Microsoft.ApplicationInsights.Web.ApplicationInsightsHttpModule, Microsoft.AI.Web"

preCondition="managedHandler"/>

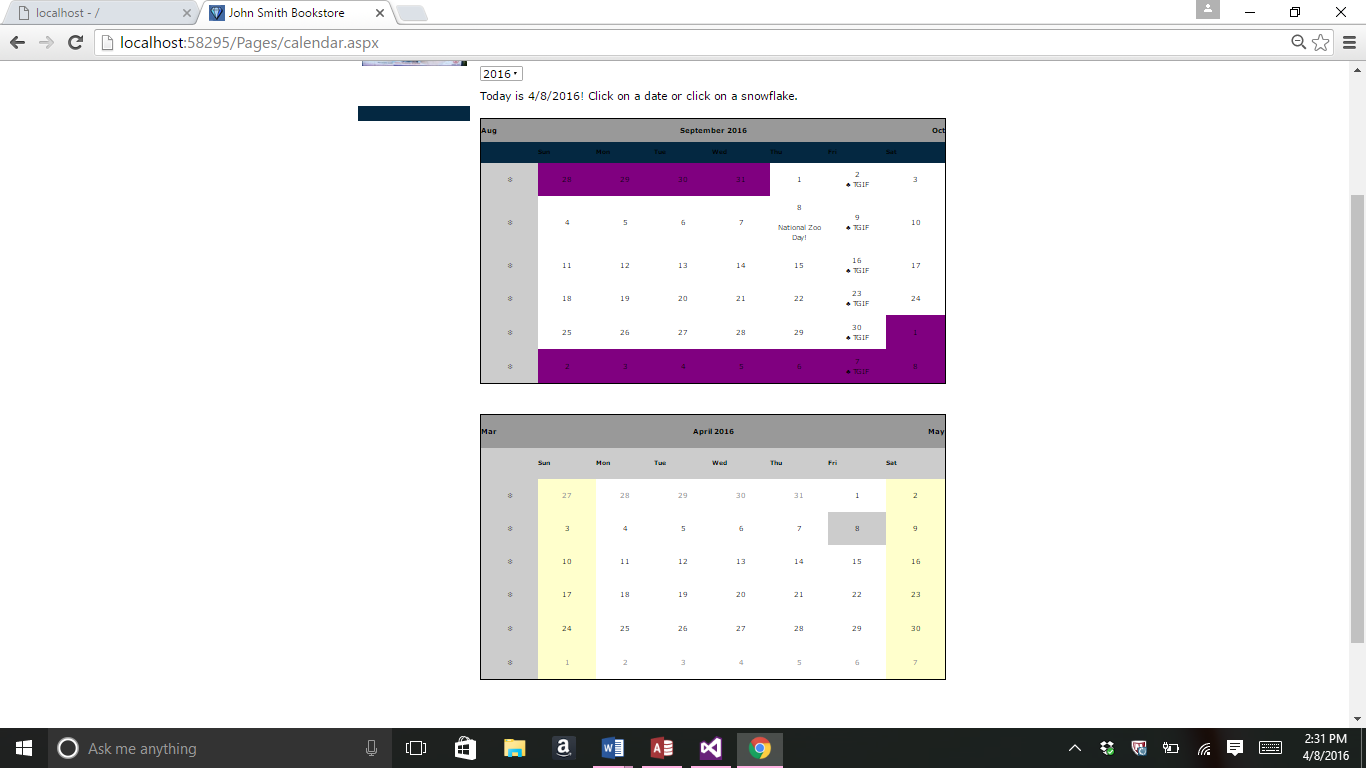
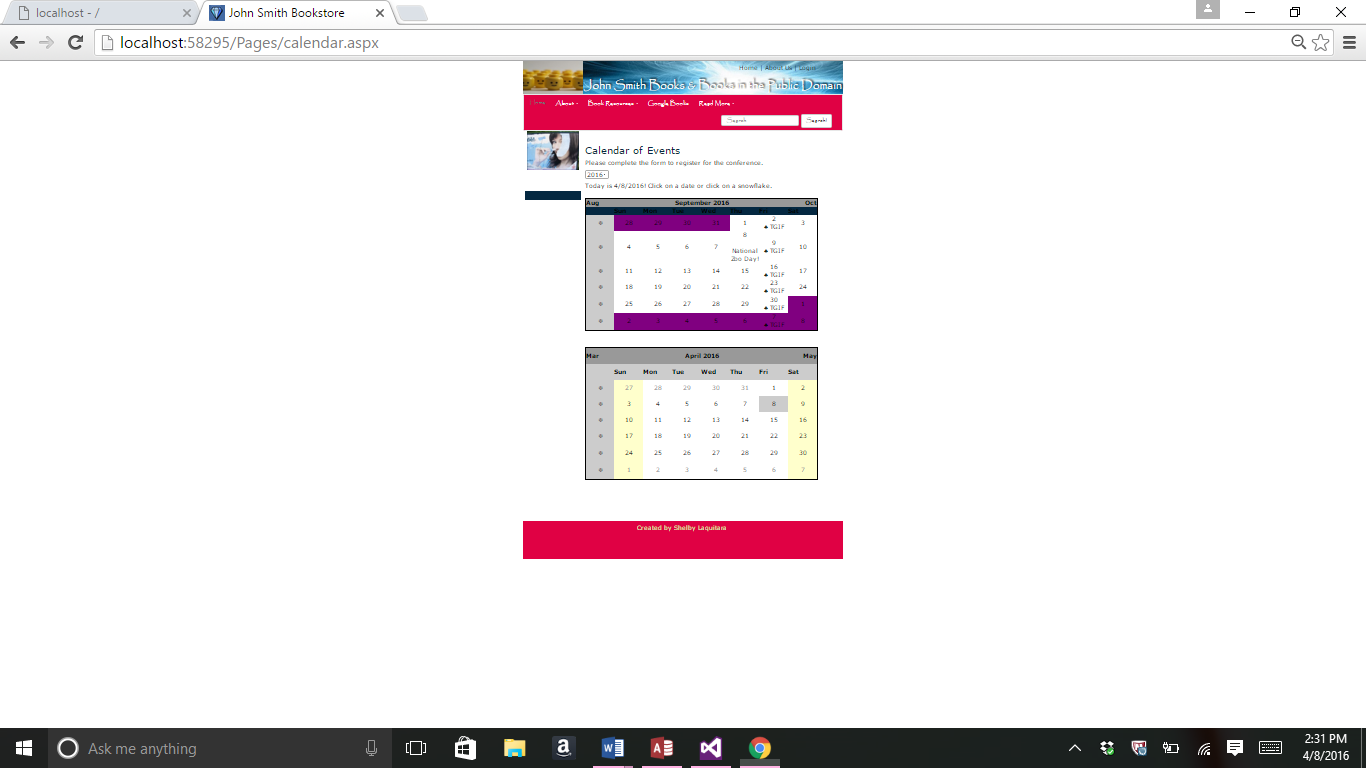
</modules>

</system.webServer>

</configuration>

//Part 5

//Screenshot of Calendar.aspx with the skin applied



//Calendar.skin code

<%--

Default skin template. The following skins are provided as examples only.

1. Named control skin. The SkinId should be uniquely defined because

duplicate SkinId's per control type are not allowed in the same theme.

<asp:GridView runat="server" SkinId="gridviewSkin" BackColor="White" >

<AlternatingRowStyle BackColor="Blue" />

</asp:GridView>

2. Default skin. The SkinId is not defined. Only one default

control skin per control type is allowed in the same theme.

<asp:Image runat="server" ImageUrl="~/images/image1.jpg" />

--%>

<asp:Calendar skinID = "Red" runat="server" BackColor="White" BorderColor="Black"

CellPadding="4" Font-Names="Verdana" Font-Size="8pt"

ForeColor="Black" Height="400px" SelectionMode="DayWeek" Width="700px"

FirstDayOfWeek="Sunday" NextPrevFormat="ShortMonth" SelectWeekText="&#x2744">

<DayHeaderStyle BackColor="#CCCCCC" Font-Bold="True" Font-Size="7pt" />

<NextPrevStyle VerticalAlign="Bottom" />

<OtherMonthDayStyle ForeColor="#999999" />

<SelectedDayStyle BackColor="#333399" ForeColor="White" />

<SelectorStyle BackColor="#CCCCCC" />

<TitleStyle BackColor="#999999" BorderColor="Black" Font-Bold="True" />

<TodayDayStyle BackColor="#CCCCCC" ForeColor="Black" />

<WeekendDayStyle BackColor="#FFFFCC" />

</asp:Calendar>

//changes to calendar.aspx page

<br />

<br />

<asp:Calendar ID="Calendar2" runat="server"

SkinID = "Red">

</asp:Calendar>

<br />

<br />

<br />

<br />

</asp:Content>

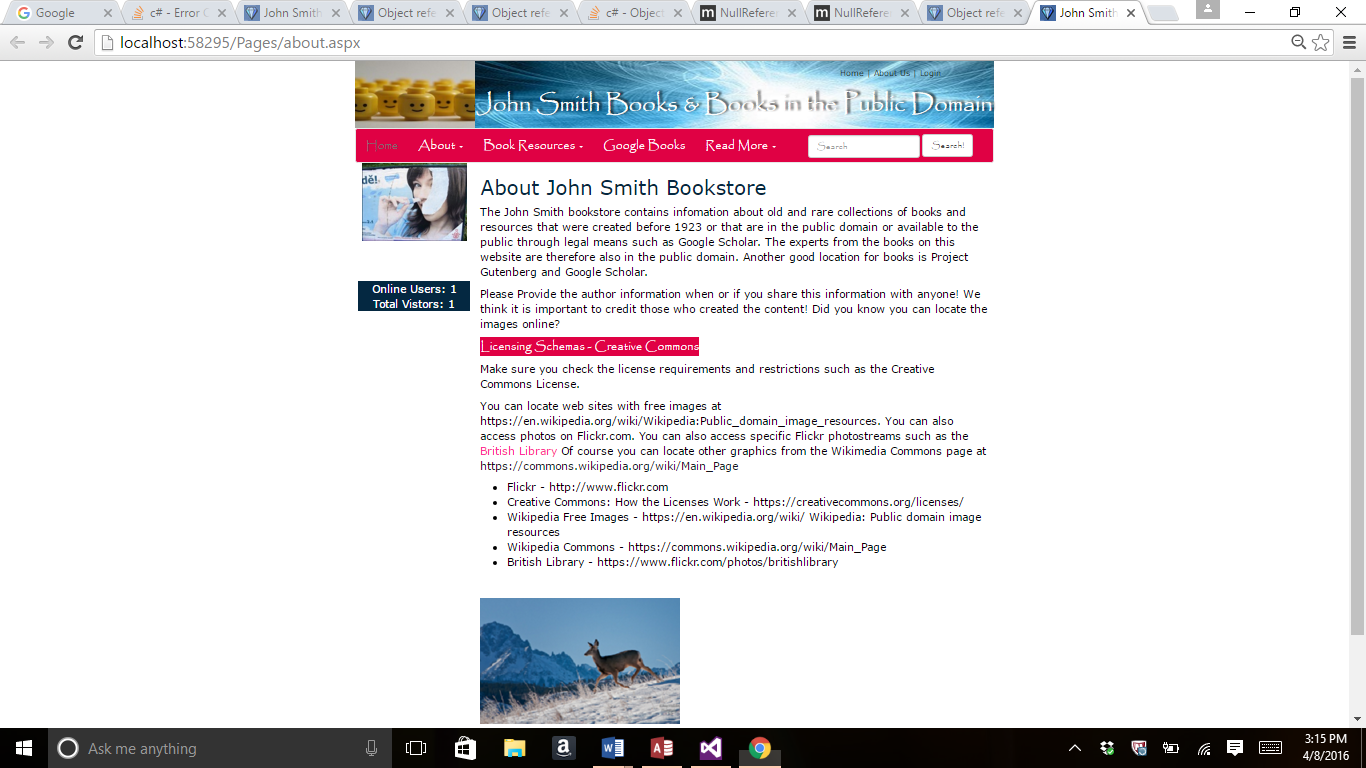
//changes to web.config code

<!-- On Off RemoteOnly (We can see the error but not customers!-->

<customErrors mode="RemoteOnly" defaultRedirect="~/Pages/GenericError.aspx">

//Part 6-

//about.aspx shown in browser



//global.aspx code

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Security;

using System.Web.SessionState;

using System.Web.UI;

namespace Project

{

public class Global : System.Web.HttpApplication

{

protected void Application\_Start(object sender, EventArgs e)

{

System.Web.UI.ValidationSettings.UnobtrusiveValidationMode =

UnobtrusiveValidationMode.None;

Application["OnlineUsers"] = 0;

Application["TotalVisitors"] = 0;

}

protected void Session\_Start(object sender, EventArgs e)

{

Application.Lock();

Application["OnlineUsers"] = Convert.ToInt32(Application

["OnlineUsers"]) + 1;

Application["TotalVisitors"] = Convert.ToInt32(Application

["TotalVisitors"]) + 1;

Application.UnLock();

}

protected void Application\_BeginRequest(object sender, EventArgs e)

{

}

protected void Application\_AuthenticateRequest(object sender,

EventArgs e)

{

}

protected void Application\_Error(object sender, EventArgs e)

{

}

protected void Session\_End(object sender, EventArgs e)

{

Application["OnlineUsers"] = Convert.ToInt32(Application

["OnlineUsers"]) - 1;

}

protected void Application\_End(object sender, EventArgs e)

{

}

}

}

//Homework.master.cs

protected void Page\_Load(object sender, EventArgs e)

{

lblOnlineUsers.Text = "Online Users: " + Application["OnlineUsers"].ToString();

lblTotalVisitors.Text = "Total Vistors: " + Application["TotalVisitors"].ToString();

}

}

}

//Homework.master

<!-- insert the number of online users here -->

<div id="appVars">

<asp:Label ID="lblOnlineUsers" runat="server"

Text=""></asp:Label><br />

<asp:Label ID="lblTotalVisitors" runat="server"

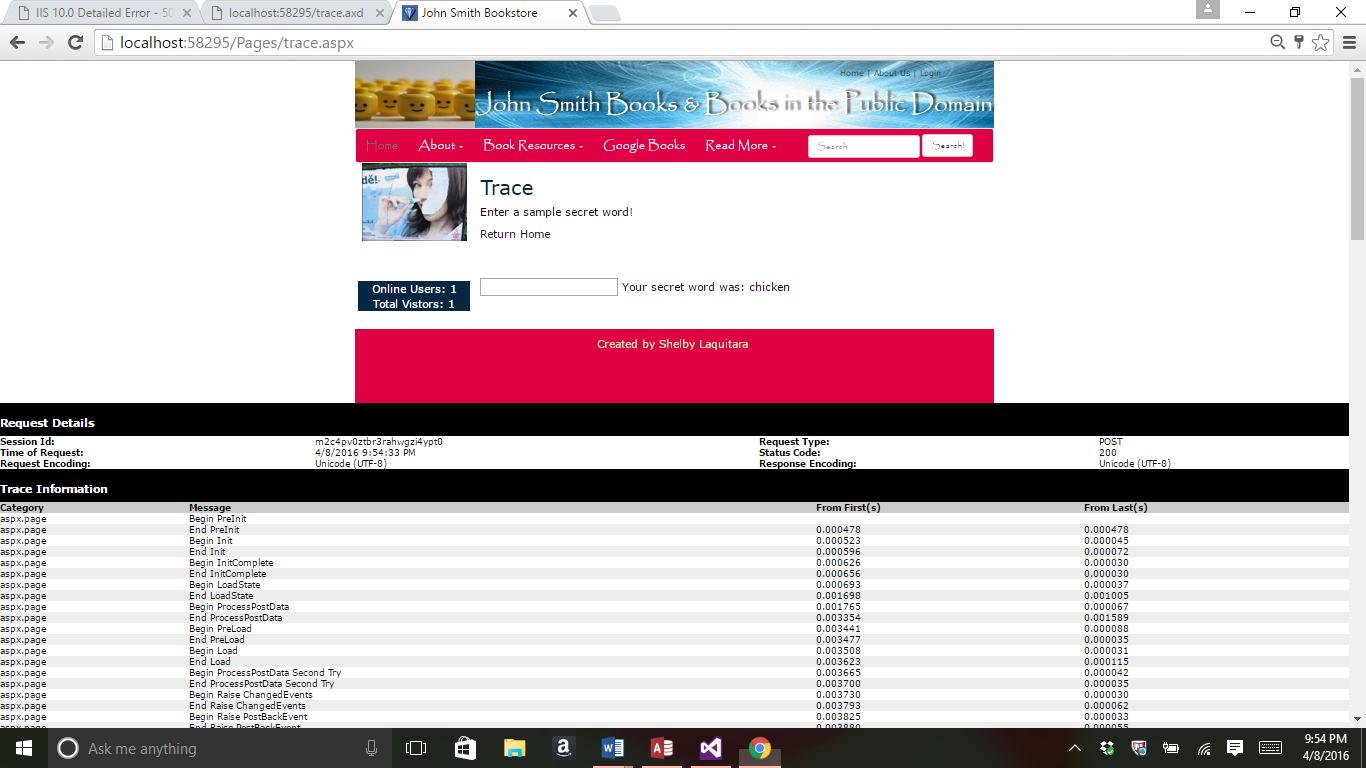
Text=""></asp:Label>

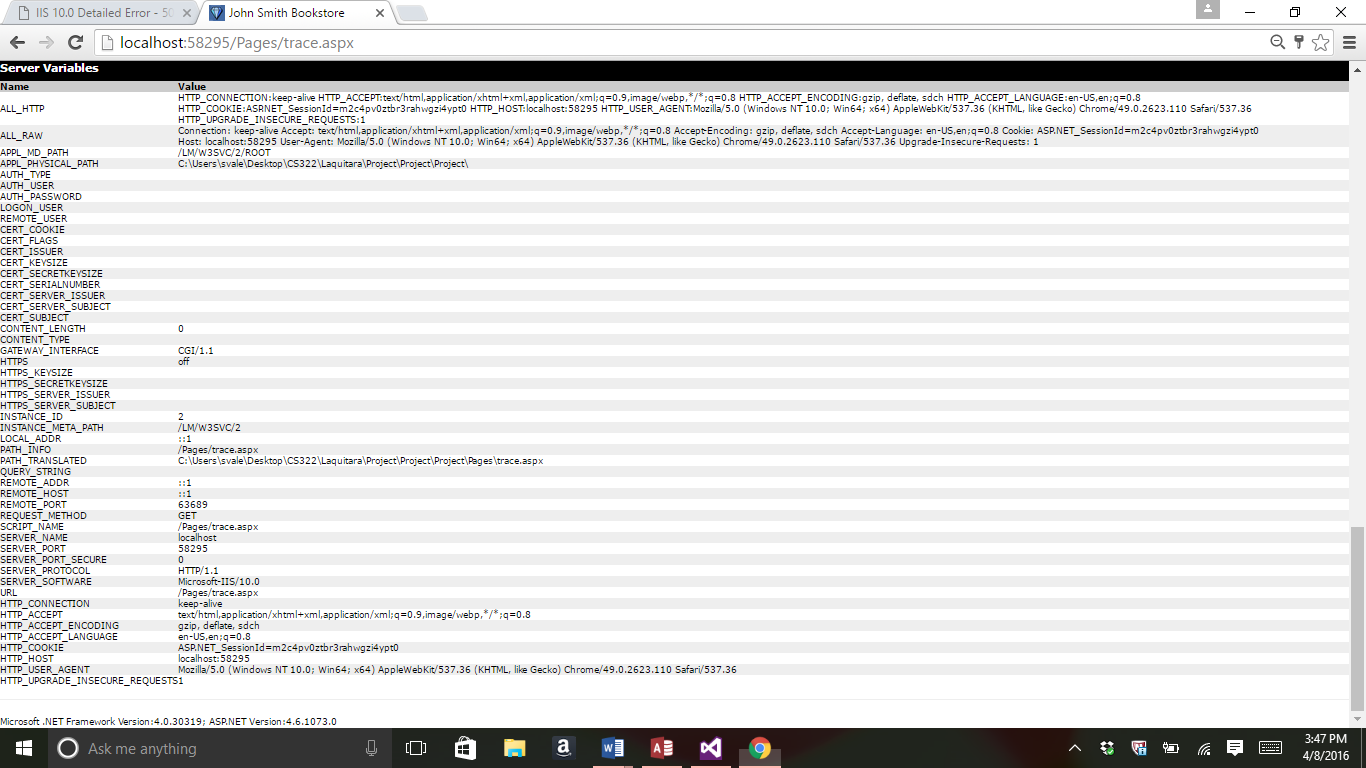
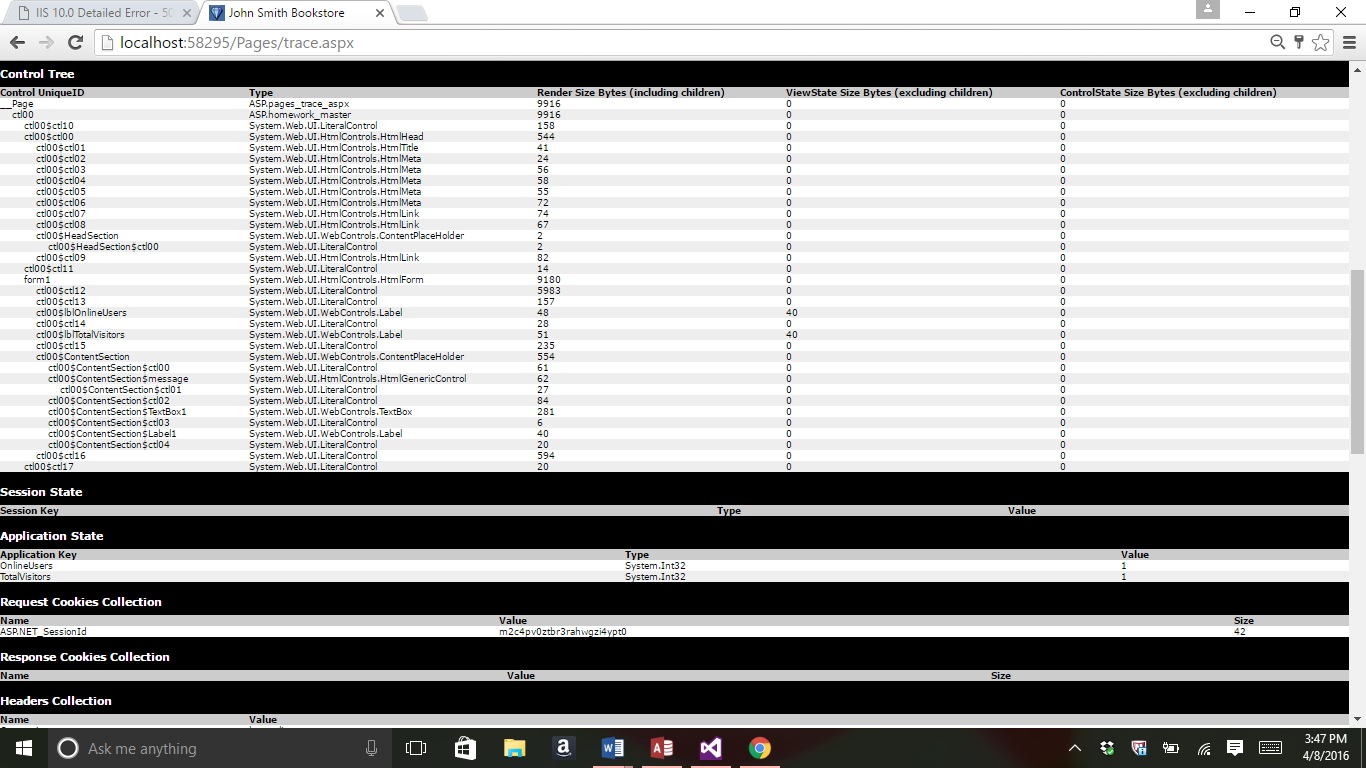
</div>

</aside>

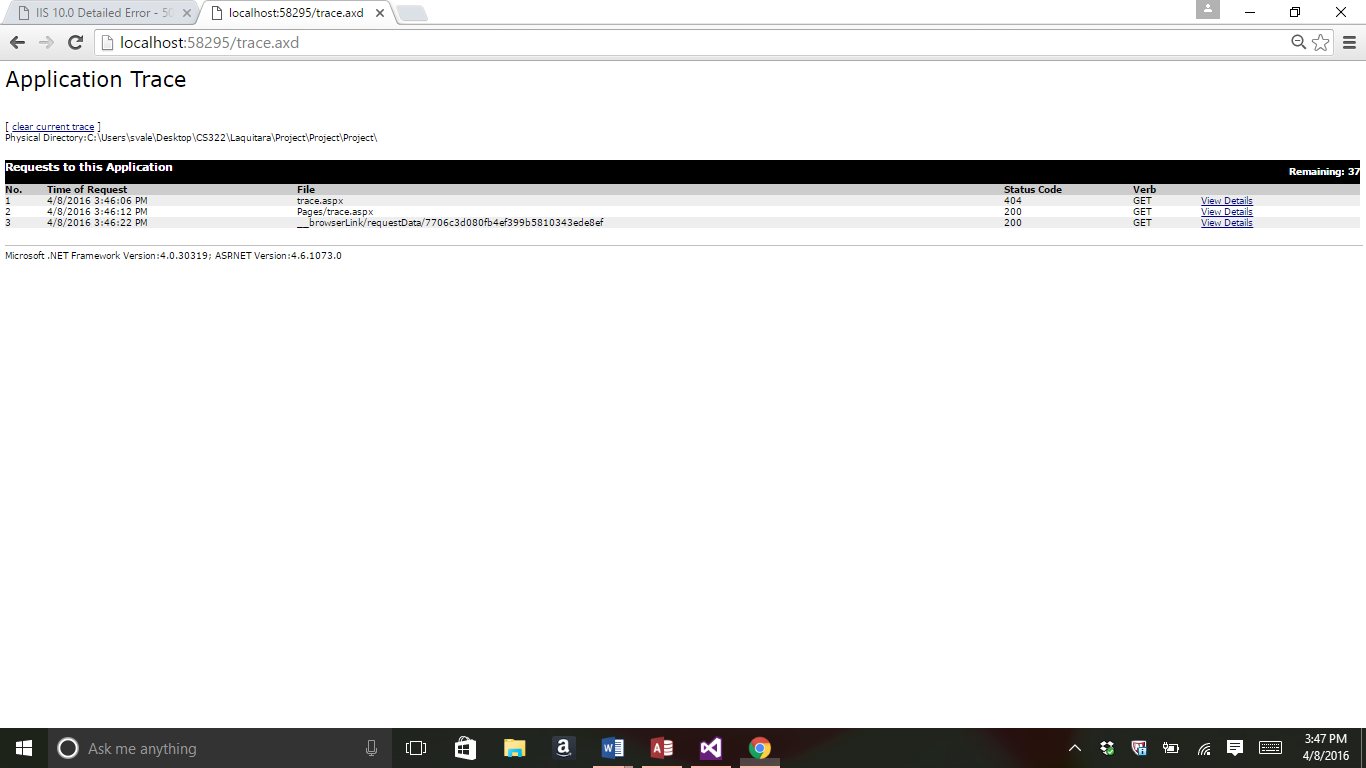
//Part 7-

//Trace.aspx shown in browser



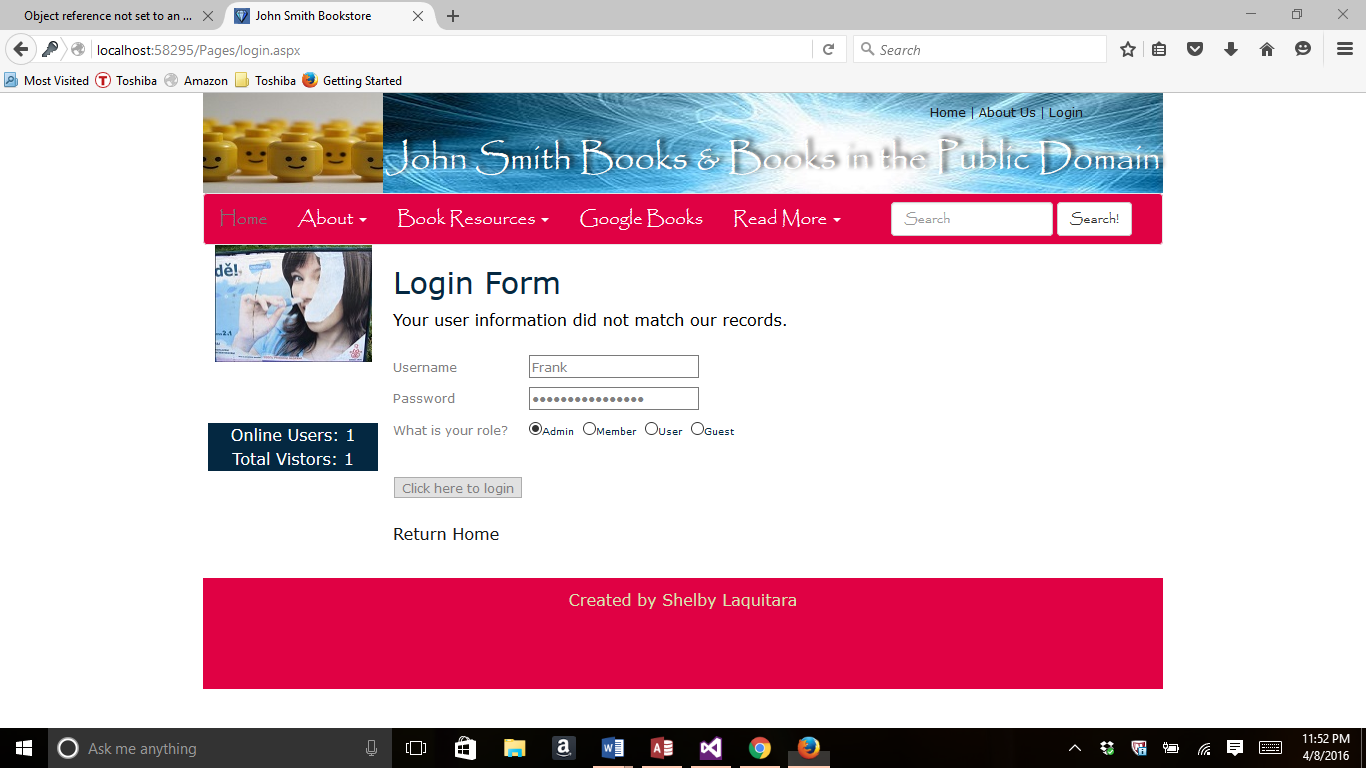


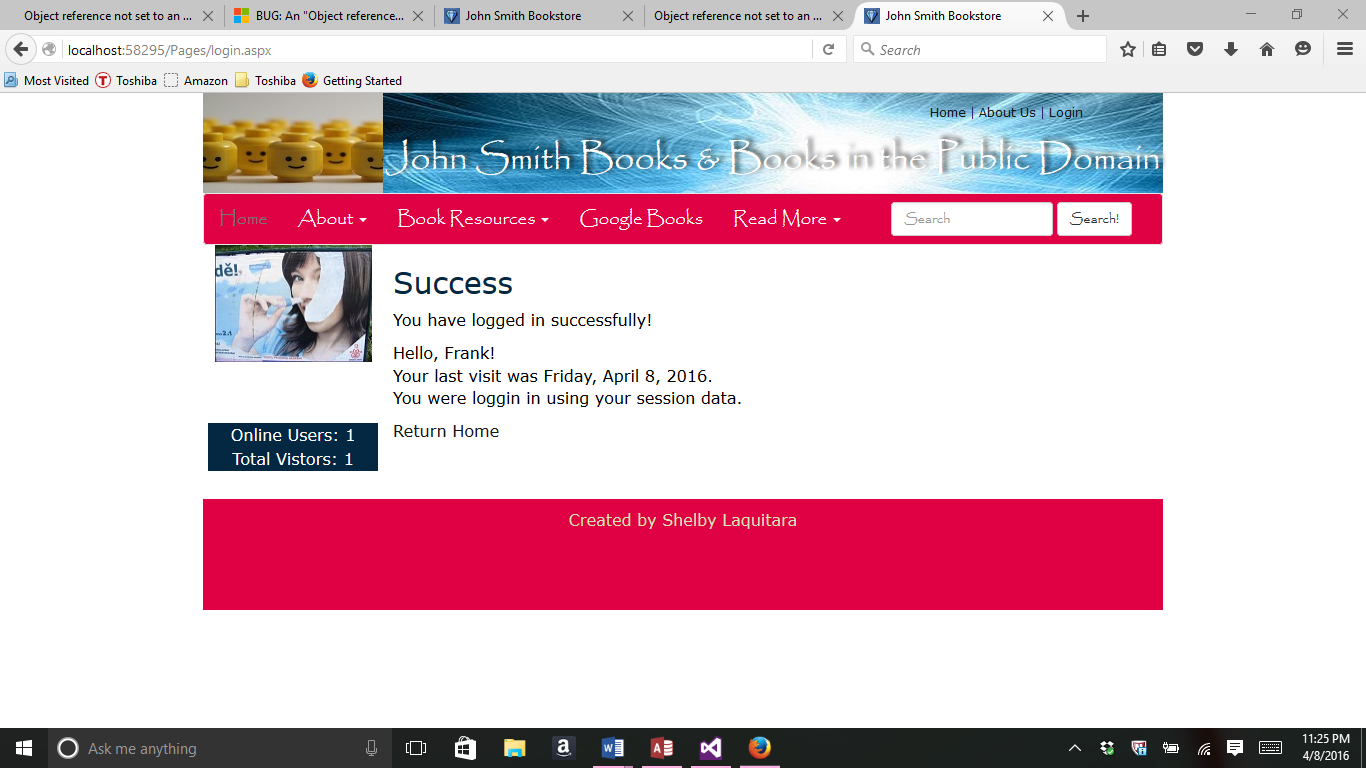
//screenshot of Application Trace page



//Part 8-

//screenshot of login.aspx





//code for login.aspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Project.Pages

{

public partial class login : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

//Because ASP uses sessions at least one session cookie is created named ASP.NET\_SessionId

if ((!Page.IsPostBack == true) && (Request.Cookies.Keys.Count > 1))

{

ldirections.Text = "Login but no cookie: " + Session.SessionID;

Response.Redirect("~/Pages/success.aspx");

}

}

protected void btnSubmit\_Click(object sender, EventArgs e)

{

//Run every time they click the button

//Retrieve the values. If they are empty, display an error message.

if ((txtUserName.Text == "") || (txtPassword.Text == ""))

{

ldirections.Text = "You need to fill in a value for the form fields";

}

//Form is not empty. Does role match: admin?

else

{

//We could have used (ddlRole.SelectedValue.ToString() == "Admin"

//However in this example the value for Admin Selection is 1

if (rblRole.SelectedValue.ToString() == "1")

{

//Role is Valid. Verify username and password

if (((txtUserName.Text == "Frank") && (txtPassword.Text == "oScar^8324Rabbit"))

|| ((txtUserName.Text == "Joline") && (txtPassword.Text == "forTAnaConDa(8452)")))

{

//User is valid.

//Create the session Variables

Session["UserName"] = txtUserName.Text;

Session["PassWord"] = txtPassword.Text;

Session["Role"] = rblRole.SelectedValue.ToString();

Session["LastVisit"] = System.DateTime.Today.ToLongDateString();

Session["IPAddress"] = Request.ServerVariables["REMOTE\_ADDR"];

Session["UserAgent"] = Request.ServerVariables["HTTP\_USER\_AGENT"];

Session["BrowserInfo"] = Request.Browser.Browser.ToString();

//Create a cookie named UserInfo

Response.Cookies["UserInfo"]["UserName"] = Session["UserName"].ToString();

Response.Cookies["UserInfo"]["PassWord"] = Session["PassWord"].ToString();

Response.Cookies["UserInfo"]["Role"] = Session["Role"].ToString();

Response.Cookies["UserInfo"]["LastVisit"] = Session["LastVisit"].ToString();

Response.Cookies["UserInfo"]["IPAddress"] = Session["IPAddress"].ToString();

Response.Cookies["UserInfo"]["UserAgent"] = Session["UserAgent"].ToString();

Response.Cookies["UserInfo"]["BrowserInfo"] = Session["BrowserInfo"].ToString();

Response.Cookies["UserInfo"].Expires = DateTime.Now.AddYears(1);

//Use Server.Transfer to redirect them to success.aspx

Server.Transfer("~/Pages/Success.aspx");

}

else

{

//No user match. Stay on the page. Display an error Message.

ldirections.Text = "Your user information did not match our records.";

}

}

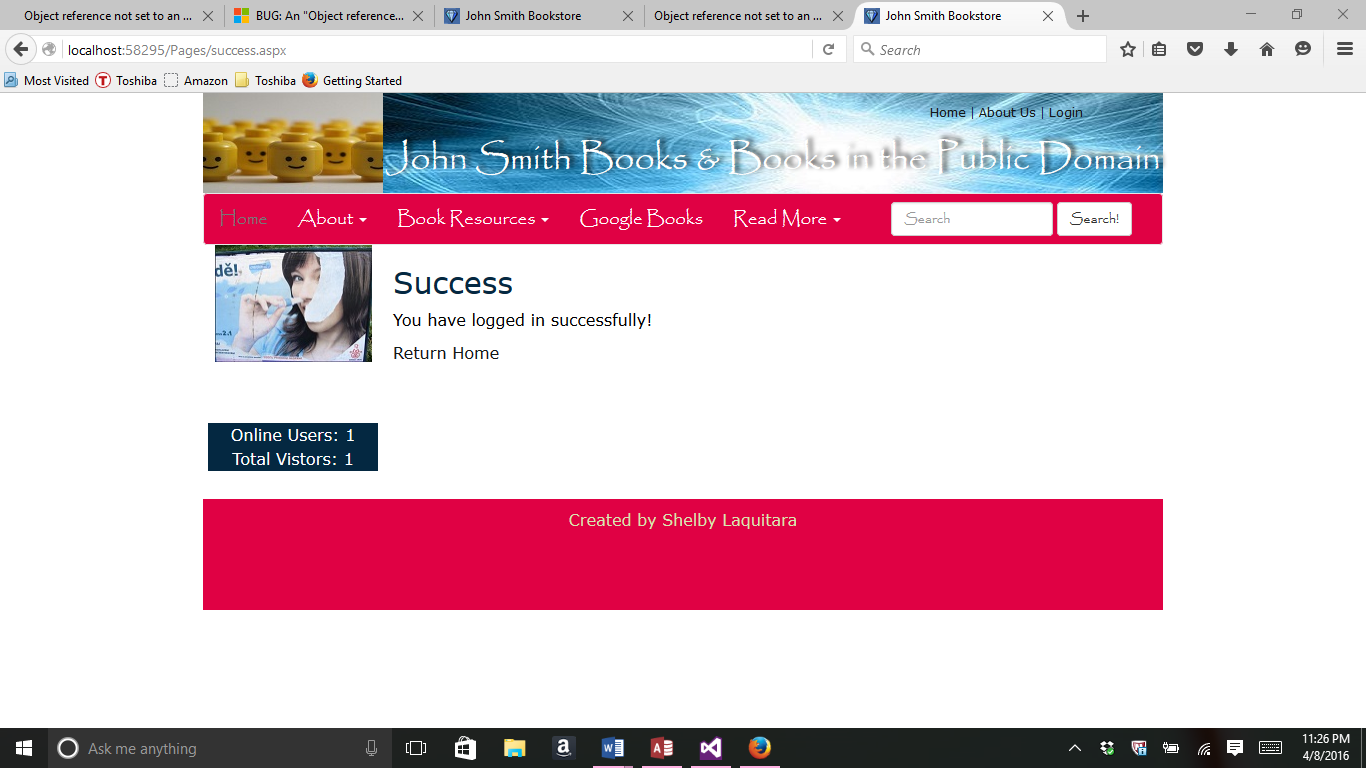
}

}

}

}

//screenshot of success.aspx



//code for success.aspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Project.Pages

{

public partial class success : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

//Use this to test to see if Cookies can be used for loggin in.

//Session["Role"] = null

//Retrieve the session variables, Role. Check if the role value is null.

if (Session["Role"] != null)

{ //They have a live session

//Check if Role is "admin" or "user" (or staff or whatever role you want to allow)

if ((Session["Role"].ToString() == "1") || (Session["Role"].ToString() == "3"))

{ //They have a value for role so they are loggin in.

lblMessage.Text = "Hello, " + Session["UserName"].ToString()

+ "! <br /> Your last visit was " + Session["LastVisit"].ToString()

+ ". <br /> You were loggin in using your session data.";

}

else

{

//They have no value for role so they are not loggin in. Check Cookies

}

}

else {

// The user did not have valid session data. Go back to the form.

// You will need to see if they have a cookie to login.

if (Request.Cookies["UserInfo"] != null)

{

//Read the cookies Username and LastVisit

lblMessage.Text = "Hello, " + Request.Cookies["UserInfo"]["UserName"]

+ "! <br />Your last visit was " + Request.Cookies["UserInfo"]["LastVisit"]

+ ". <br />You were logged in using your cookie data";

}

else

{

Response.Redirect("login.aspx");

}//end cookies

}//end session

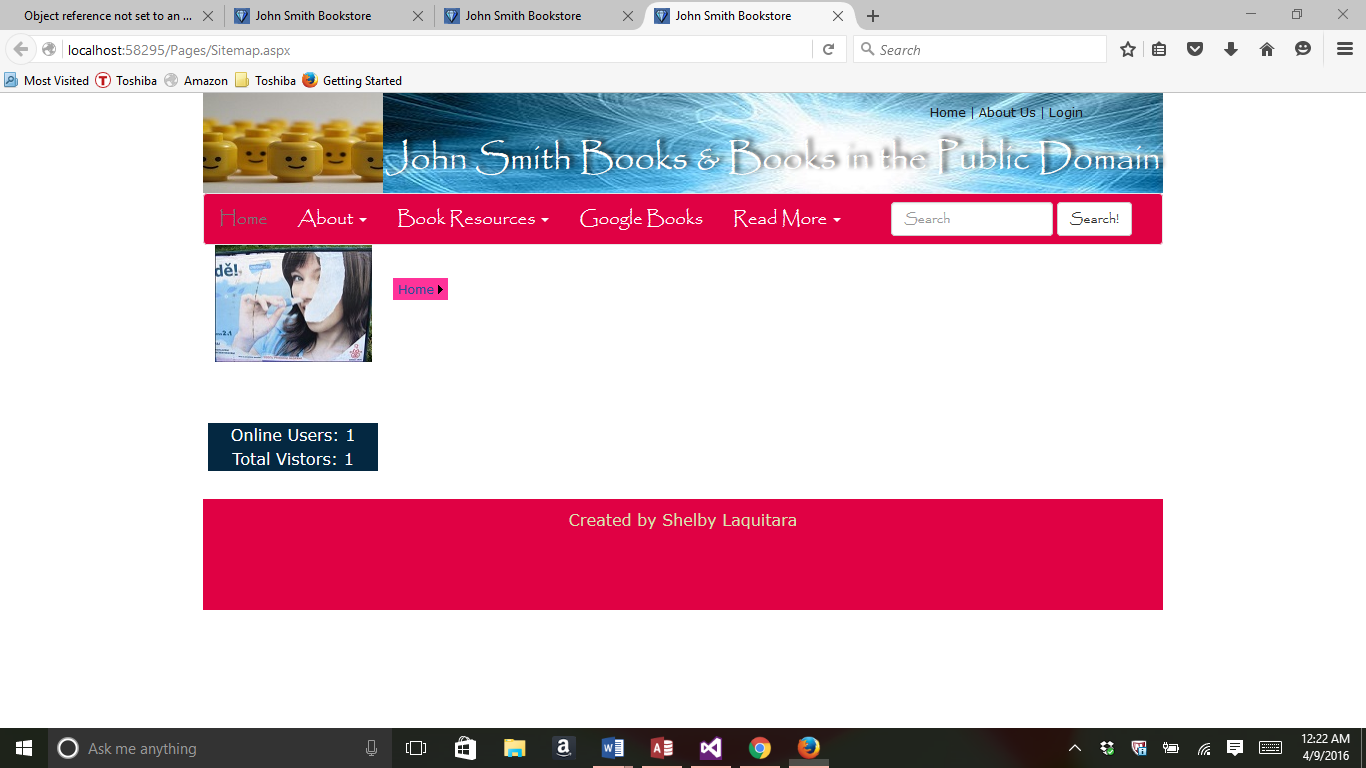
}//end page load

}

}

//Part 9-

//screenshot of Sitemap.aspx



//code from web.sitemap page

<?xml version="1.0" encoding="utf-8" ?>

<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >

<siteMapNode url="~/Pages/Home.aspx" title="Home" description="Home">

<siteMapNode url="~/Pages/Location.aspx" title="Location" description="Location" />

<siteMapNode url="~/Pages/About.aspx" title="About" description="About" />

</siteMapNode>

</siteMap>

//code from homework.master menu or treeview control

<!-- insert SiteMapPath -->

<asp:SiteMapPath ID="SiteMapPath1" runat="server" Font-Names="Verdana" Font-Size="0.8em" PathSeparator=" : ">

<CurrentNodeStyle ForeColor="#333333" />

<NodeStyle Font-Bold="true" ForeColor="#990000" />

<PathSeparatorStyle Font-Bold="true" ForeColor="#990000" />

<RootNodeStyle Font-Bold="true" ForeColor="#FF8000" />

</asp:SiteMapPath>