Web Page 1:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Ethical\_Hacking.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Auth</title>

<style type="text/css">

.auto-style1 {

background-color: #333333;

border-style: none;

cursor: text;

display : flex;

}

</style>

</head>

<body>

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

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

<h1>This Website is strictly 18+</h1>

</td>

</tr>

<tr>

<td><p>

<asp:Label ID="Label1" runat="server" Text="Enter your birthdate:"></asp:Label>

</p>

<p>Year:

<asp:TextBox ID="TextBox3" runat="server" OnTextChanged="TextBox3\_TextChanged" CssClass="auto-style1" AutoPostBack="True" Height="27px"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Button ID="Button2" CssClass="auto-style1" runat="server" Text="Set Year" Height="44px" OnClick="Button2\_Click" Width="116px" />

</p>

<p>

<asp:Calendar ID="Calendar1" runat="server" Height="397px" Width="491px" BorderColor="#999999" BorderStyle="Solid" BorderWidth="1px" ForeColor="White" ShowGridLines="True"></asp:Calendar>

</p>

</td>

</tr>

<tr>

<td><p>

<asp:Button ID="Button1" CssClass="auto-style1" runat="server" Text="Submit" Height="44px" OnClick="Button1\_Click" Width="116px" />

</p>

</td>

</tr>

<tr>

<td>

&nbsp;</td>

</tr>

</table>

</div>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Ethical\_Hacking

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

// Retrieve the "Visited" cookie from the request

HttpCookie \_userCookieRetreive = Request.Cookies["Visited"];

if (\_userCookieRetreive != null) // Check if the cookie is not empty

{

if (\_userCookieRetreive["Over18"] == "True") // Check if the "Over18" value in the cookie is set to "True"

{

// Redirect the user to "WebFrom2.aspx"

Response.Redirect("WebFrom2.aspx");

}

}

}

protected void TextBox3\_TextChanged(object sender, EventArgs e)

{

// Get the year from the text box.

int year = Convert.ToInt32(TextBox3.Text);

// Set the year of the calendar.

// Set the calendar to the first of Jan of that year.

Calendar1.SelectedDate = new DateTime(year, 1, 1);

Calendar1.VisibleDate = new DateTime(year, 1, 1);

}

protected void Button2\_Click(object sender, EventArgs e)

{

// Get the year from the text box.

int year = Convert.ToInt32(TextBox3.Text);

// Set the year of the calendar.

// Set the calendar to the first of Jan of that year.

Calendar1.SelectedDate = new DateTime(year, 1, 1);

Calendar1.VisibleDate = new DateTime(year, 1, 1);

}

protected void Button1\_Click(object sender, EventArgs e)

{

// Get the date from the calendar.

DateTime selectedDate = Calendar1.SelectedDate;

// Get today's date.

DateTime today = DateTime.Now;

// Calculate the difference between the two dates.

TimeSpan difference = today - selectedDate;

// Check if the difference is more than 18 years.

if ((difference.TotalDays) / 365 > 18)

{

// The difference is more than 18 years.

Label1.Text = "Enter birthdate:";

// Create a new "Visited" cookie

HttpCookie \_userCookie = new HttpCookie("Visited");

// Set the value of the "Over18" key in the cookie to "True"

\_userCookie["Over18"] = "True";

// Add the cookie to the response

Response.Cookies.Add(\_userCookie);

// Set the expiration date of the cookie to 7 days from the current date and time

\_userCookie.Expires = DateTime.Now.AddDays(7);

// Redirect the user to "WebForm2.aspx"

Response.Redirect("WebForm2.aspx");

}

else

{

// The difference is less than 18 years.

Label1.Text = "Valid Birth date";

}

}

}

}

Web Page 2:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="Ethical\_Hacking.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Hacking Website</title>

<link href="StyleSheet1.css" rel="stylesheet" type="text/css" />

</head>

<body>

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

<header>

<h1>Hacking Website</h1>

<div class="logo">

<a href="#">&nbsp;<asp:Image ID="Image1" runat="server" ImageUrl="~/logo-no-background.png" />

</a>

</div>

<nav class="main-nav">

<ul>

<li><a href="WebForm2.aspx">Home</a></li>

<li><a href="WebForm3.aspx">CTF</a>

<ul>

<li><a href="WebForm4.aspx">Linux Basics</a></li>

</ul>

</li>

<li><a href="WebForm5.aspx">Q&A</a></li>

</ul>

</nav>

</header>

<main>

<section>

<h2>Capture the Flag (CTF) Hacking Challenge</h2>

Capture the Flag (CTF) hacking challenges are a type of cybersecurity competition where participants are tasked with finding vulnerabilities and exploiting them to gain access to a target system or steal information. The goal is to find hidden "flags," which are strings of text that are hidden in the system, and submit them to score points.

<p>These challenges are often used as a way to test and improve the skills of cybersecurity professionals, as well as to train individuals interested in learning more about cybersecurity. CTF hacking challenges can be designed for a wide range of skill levels, from beginner to advanced, and can cover a variety of topics such as web application security, network security, reverse engineering, cryptography, and more.</p>

<a href="CTF.aspx" class="btn">Start the CTF Challenge</a>

</section>

<section>

<h2>Documentation of IT Projects</h2>

<ul>

<li><a href="#">Project 1</a></li>

<li><a href="#">Project 2</a></li>

<li><a href="#">Project 3</a></li>

</ul>

</section>

<section>

<h2>Tutorials for Hacking Subjects</h2>

<ul>

<li><a href="#">Tutorial 1</a></li>

<li><a href="#">Tutorial 2</a></li>

<li><a href="#">Tutorial 3</a></li>

</ul>

</section>

</main>

<footer>

<p>&copy; 2023 Hacking Website</p>

</footer>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Ethical\_Hacking

{

public partial class WebForm2 : System.Web.UI.Page

{

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

{

}

}

}

Web Page 3:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="Ethical\_Hacking.WebForm3" %>

<!DOCTYPE html>

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

<head runat="server">

<title>CTF Challenges</title>

<link href="StyleSheet1.css" rel="stylesheet" type="text/css" />

</head>

<body>

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

<header>

<h1>CTF Challenges</h1>

<div class="logo">

<a href="#">&nbsp;<asp:Image ID="Image1" runat="server" ImageUrl="~/logo-no-background.png" />

</a>

</div>

<nav class="main-nav">

<ul>

<li><a href="WebForm2.aspx">Home</a></li>

<li><a href="WebForm3.aspx">CTF</a>

<ul>

<li><a href="WebForm4.aspx">Linux Basics</a></li>

</ul>

</li>

<li><a href="WebForm5.aspx">Q&A</a></li>

</ul>

</nav>

</header>

<section>

<h2><a href="LinuxBasics.aspx">Linux Fundamentals</a></h2>

<ul>

<li><a href="LinuxBasics.aspx#InstallingLinux">Installing Linux</a></li>

<li><a href="#">Challenge 2</a></li>

<li><a href="#">Challenge 3</a></li>

</ul>

</section>

<section>

<h2>Steganography</h2>

<ul>

<li><a href="#">Challenge 4</a></li>

<li><a href="#">Challenge 5</a></li>

<li><a href="#">Challenge 6</a></li>

</ul>

</section>

<section>

<h2>Cryptography - mathematical + python</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<section>

<h2>Reverse Engineering</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<section>

<h2>OSINT</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<section>

<h2>Network Analysis</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<section>

<h2>Binary Exploitation</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<section>

<h2>Pentesting (Attack + Defence)</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<section>

<h2>Social Engineering</h2>

<ul>

<li><a href="#">Challenge 7</a></li>

<li><a href="#">Challenge 8</a></li>

<li><a href="#">Challenge 9</a></li>

</ul>

</section>

<footer>

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</footer>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Ethical\_Hacking

{

public partial class WebForm3 : System.Web.UI.Page

{

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

{

}

}

}

Web Page 4:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs" Inherits="Ethical\_Hacking.WebForm4" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Linux Basics</title>

<link href="StyleSheet1.css" rel="stylesheet" type="text/css" />

</head>

<body>

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

<header>

<h1>Linux Basics</h1>

<div class="logo">

<a href="#">&nbsp;<asp:Image ID="Image1" runat="server" ImageUrl="~/logo-no-background.png" />

</a>

</div>

<nav class="main-nav">

<ul>

<li><a href="WebForm2.aspx">Home</a></li>

<li><a href="WebForm3.aspx">CTF</a>

<ul>

<li><a href="WebForm4.aspx">Linux Basics</a></li>

</ul>

</li>

<li><a href="WebForm5.aspx">Q&A</a></li>

</ul>

</nav>

</header>

<section>

<h2>Linux Basics</h2>

<p>In this section, you will learn the basics of using Linux operating system.</p>

<ul>

<li>Introduction to Linux</li>

<li><a href="#InstallingLinux">Installing Linux</a></li>

<li>File System Navigation and Manipulation</li>

<li>Managing Users and Permissions</li>

<li>Installing and Updating Software Packages</li>

<li>System Monitoring and Troubleshooting</li>

</ul>

</section>

<section id="InstallingLinux">

<h2 >Installing Linux</h2>

<p>Welcome to the world of virtual machines and Kali Linux! In this section, you'll discover how to set up and run a virtual machine, along with a step-by-step guide on installing Kali Linux. With virtualization, you can run multiple operating systems on a single machine without affecting the host system. And Kali Linux, a popular penetration testing and security auditing operating system, offers a wide range of tools for security professionals and enthusiasts. So, let's get started on this exciting journey!</p>

<p></p>

<ol>

<li><a href="https://www.virtualbox.org/wiki/Downloads"> Install VirtualBox</a>

<ul>

<li>

<p>To get started, ensure that you have the most up-to-date VirtualBox platform packages downloaded onto your computer.</p>

</li>

</ul>

</li>

<li><a href="https://www.kali.org/get-kali/#kali-virtual-machines">Installing Kali Linux</a>

<ul>

<li>

<p>If you're planning to install Kali in a virtual environment, I have a time-saving tip for you. Instead of downloading the Kali ISO file, you can simply download the pre-configured Kali virtual machine for VirtualBox. This way, you can avoid the hassle of setting up Kali from scratch and get started with your virtual environment right away.</p>

</li>

</ul>

</li>

<li>Set up Kali in a virtualized environment

<ol>

<li>Open VirtualBox and go to "Machine" and select "New".</li>

<li>Give your new system a name and select the Kali virtual machine file that was previously downloaded.</li>

<li>Change the type to "Linux" and select the version according to your processor's architecture.</li>

<li>Next, select the amount of RAM you would like to dedicate to your virtual machine (2GB of RAM is recommended).</li>

<li>Select the amount of cores you would like to dedicate (1 processor is recommended), and then check "Enable EFI".</li>

<li>Finally, create a virtual hard disk with a recommended size of 25GB. Click "Next" and then "Finish".</li>

</ol>

<p>By following these steps, you'll be able to set up Kali in a virtualized environment without having to download the ISO file separately. This will save you a lot of time and effort.</p>

</li>

<li>Managing Users and Permissions</li>

<li>Installing and Updating Software Packages</li>

<li>System Monitoring and Troubleshooting</li>

</ol>

</section>

<footer>

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</footer>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Ethical\_Hacking

{

public partial class WebForm4 : System.Web.UI.Page

{

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

{

}

}

}

Web Page 5:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm5.aspx.cs" Inherits="Ethical\_Hacking.WebForm5" EnableSessionState="True" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Comments</title>

<link href="StyleSheet1.css" rel="stylesheet" type="text/css" />

<style type="text/css">

.auto-style1 {

width: 100%;

}

.auto-style2 {

width: 48%;

}

</style>

</head>

<body>

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

<header>

<h1>Q&A</h1>

<div class="logo">

<a href="#">&nbsp;<asp:Image ID="Image1" runat="server" ImageUrl="~/logo-no-background.png" />

</a>

</div>

<nav class="main-nav">

<ul>

<li><a href="WebForm2.aspx">Home</a></li>

<li><a href="WebForm3.aspx">CTF</a>

<ul>

<li><a href="WebForm4.aspx">Linux Basics</a></li>

</ul>

</li>

<li><a href="WebForm5.aspx">Q&A</a></li>

</ul>

</nav>

</header>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

<h1>Ask A Question</h1>

</td>

</tr>

<tr>

<td><p>Username:</p>

<asp:TextBox ID="TextBox1" runat="server" CssClass="TextBox" Height="43px" ForeColor="White"></asp:TextBox>

</td>

</tr>

<tr>

<td><p>Comment:</p>

<asp:TextBox ID="TextBox2" runat="server" CssClass="TextBox" Height="124px" ForeColor="White"></asp:TextBox>

</td>

</tr>

<tr>

<td>

<asp:Button ID="Button1" CssClass="Button" runat="server" Text="Post" OnClick="Button1\_Click" />

</td>

</tr>

</table>

</div>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

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

</td>

<td>

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

</td>

</tr>

<tr>

<td colspan="2">

<asp:TextBox ID="TextBox3" runat="server" CssClass="TextBox" Height="75px" Width="1259px" ForeColor="White" ReadOnly="True"></asp:TextBox>

</td>

</tr>

</table>

</div>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

<asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>

</td>

<td>

<asp:Label ID="Label4" runat="server" Text="Label"></asp:Label>

</td>

</tr>

<tr>

<td colspan="2">

<asp:TextBox ID="TextBox4" runat="server" CssClass="TextBox" Height="75px" Width="1259px" ForeColor="White" ReadOnly="True"></asp:TextBox>

</td>

</tr>

</table>

</div>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

<asp:Label ID="Label5" runat="server" Text="Label"></asp:Label>

</td>

<td>

<asp:Label ID="Label6" runat="server" Text="Label"></asp:Label>

</td>

</tr>

<tr>

<td colspan="2">

<asp:TextBox ID="TextBox5" runat="server" CssClass="TextBox" Height="75px" Width="1259px" ForeColor="White" ReadOnly="True"></asp:TextBox>

</td>

</tr>

</table>

</div>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

<asp:Label ID="Label7" runat="server" Text="Label"></asp:Label>

</td>

<td>

<asp:Label ID="Label8" runat="server" Text="Label"></asp:Label>

</td>

</tr>

<tr>

<td colspan="2">

<asp:TextBox ID="TextBox6" runat="server" CssClass="TextBox" Height="75px" Width="1259px" ForeColor="White" ReadOnly="True"></asp:TextBox>

</td>

</tr>

</table>

</div>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td>

<asp:Label ID="Label9" runat="server" Text="Label"></asp:Label>

</td>

<td>

<asp:Label ID="Label10" runat="server" Text="Label"></asp:Label>

</td>

</tr>

<tr>

<td colspan="2">

<asp:TextBox ID="TextBox7" runat="server" CssClass="TextBox" Height="75px" Width="1259px" ForeColor="White" ReadOnly="True"></asp:TextBox>

</td>

</tr>

</table>

</div>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td class="auto-style2">

<asp:Button ID="Button2" runat="server" Text="Back" CssClass ="Button" OnClick="Button2\_Click" />

</td>

<td>

<asp:Label ID="Label11" runat="server" Text="Label"></asp:Label>

</td>

<td>

<asp:Button ID="Button3" runat="server" Text="Next" CssClass ="Button" OnClick="Button3\_Click" />

</td>

</tr>

</table>

</div>

<footer>

<p>&copy; 2023 Hacking Website</p>

</footer>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Data;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using ProfanityFilter;

using ProfanityFilter.Interfaces;

namespace Ethical\_Hacking

{

public partial class WebForm5 : System.Web.UI.Page

{

string constr = @"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Comments.mdf;Integrated Security=True";

public SqlConnection conn;

public SqlDataAdapter adapter;

public DataSet ds;

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

{

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

{

// Set the value of "loadindex" session variable to 1

Session["loadindex"] = 1;

}

// Call the method to populate comments with index 1

PopulateComments(1);

}

protected void ClearComments()

{

// Clear the text in TextBoxes

TextBox3.Text = "";

TextBox4.Text = "";

TextBox5.Text = "";

TextBox6.Text = "";

TextBox7.Text = "";

// Clear the text in Labels

Label1.Text = "";

Label2.Text = "";

Label3.Text = "";

Label4.Text = "";

Label5.Text = "";

Label6.Text = "";

Label7.Text = "";

Label8.Text = "";

Label9.Text = "";

Label10.Text = "";

}

protected void PopulateComments(int state)

{

// Call method to clear all textboxes

ClearComments();

if (state == 1)// initial state load first 5 comments

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

SqlDataReader dataReader;

conn.Open();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

dataReader = command.ExecuteReader();

int index = 0; // index used to refer to comment number

while (dataReader.Read())

{

if (index == 0)

{

Label1.Text = dataReader.GetString(1);

Label2.Text = dataReader.GetValue(3).ToString();

TextBox3.Text = dataReader.GetString(2);

}

else if (index == 1)

{

Label3.Text = dataReader.GetString(1);

Label4.Text = dataReader.GetDateTime(3).ToString();

TextBox4.Text = dataReader.GetString(2);

}

else if (index == 2)

{

Label5.Text = dataReader.GetString(1);

Label6.Text = dataReader.GetDateTime(3).ToString();

TextBox5.Text = dataReader.GetString(2);

}

else if (index == 3)

{

Label7.Text = dataReader.GetString(1);

Label8.Text = dataReader.GetDateTime(3).ToString();

TextBox6.Text = dataReader.GetString(2);

}

else if (index == 4)

{

Label9.Text = dataReader.GetString(1);

Label10.Text = dataReader.GetDateTime(3).ToString();

TextBox7.Text = dataReader.GetString(2);

}

index++;

}

conn.Close();

Session["loadindex"] = 1; // loadindex used to keep track of current page

} else if ((state == 0)) //back state loade prevoius 5 comments

{

if (int.Parse(Session["loadindex"].ToString()) <= 2) // check if current page is page 2 or more (check if there is a prevoius page to load else load page 1)

{

PopulateComments(1);

} else

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

SqlDataReader dataReader;

conn.Open();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

dataReader = command.ExecuteReader();

Session["loadindex"] = int.Parse(Session["loadindex"].ToString()) - 1; // decrease page number

int loadindex = int.Parse(Session["loadindex"].ToString());

int index = 0;

while (dataReader.Read())

{

if (index == (5 \* loadindex) - 4) // Tn = (5\*n)-4 formula used to get next set of comments to load

{

Label1.Text = dataReader.GetString(1);

Label2.Text = dataReader.GetDateTime(3).ToString();

TextBox3.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex) - 3)

{

Label3.Text = dataReader.GetString(1);

Label4.Text = dataReader.GetDateTime(3).ToString();

TextBox4.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex) - 2)

{

Label5.Text = dataReader.GetString(1);

Label6.Text = dataReader.GetDateTime(3).ToString();

TextBox5.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex) - 1)

{

Label7.Text = dataReader.GetString(1);

Label8.Text = dataReader.GetDateTime(3).ToString();

TextBox6.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex))

{

Label9.Text = dataReader.GetString(1);

Label10.Text = dataReader.GetDateTime(3).ToString();

TextBox7.Text = dataReader.GetString(2);

}

index++;

}

conn.Close();

} }

else if ((state == 2)) // next state load next 5 comments

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

SqlDataReader dataReader;

conn.Open();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

dataReader = command.ExecuteReader();

Session["loadindex"] = int.Parse(Session["loadindex"].ToString()) + 1;

int loadindex = int.Parse(Session["loadindex"].ToString());

int index = 0;

while (dataReader.Read())

{

if (index == (5 \* loadindex) - 4)

{

Label1.Text = dataReader.GetString(1);

Label2.Text = dataReader.GetValue(3).ToString();

TextBox3.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex) - 3)

{

Label3.Text = dataReader.GetString(1);

Label4.Text = dataReader.GetDateTime(3).ToString();

TextBox4.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex) - 2)

{

Label5.Text = dataReader.GetString(1);

Label6.Text = dataReader.GetDateTime(3).ToString();

TextBox5.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex) - 1)

{

Label7.Text = dataReader.GetString(1);

Label8.Text = dataReader.GetDateTime(3).ToString();

TextBox6.Text = dataReader.GetString(2);

}

else if (index == (5 \* loadindex))

{

Label9.Text = dataReader.GetString(1);

Label10.Text = dataReader.GetDateTime(3).ToString();

TextBox7.Text = dataReader.GetString(2);

}

index++;

}

conn.Close();

}

Label11.Text = Session["loadindex"].ToString();

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlCommand command;

string sql = "";

SqlDataReader dataReader;

conn = new SqlConnection(constr);

Int32 Output = 0;

conn.Open();

sql = "SELECT MAX(ID) FROM UserComments"; // get the number of comments in the table

command = new SqlCommand(sql, conn);

dataReader = command.ExecuteReader();

while (dataReader.Read())

{

Output =dataReader.GetInt32(0);

}

dataReader.Close();

command.Dispose();

ProfanityFilter.ProfanityFilter detector = new ProfanityFilter.ProfanityFilter();

string username = detector.CensorString(TextBox1.Text);

string Comment = detector.CensorString(TextBox2.Text);

Output++; //increase the number of comments to get the next ID

sql = "INSERT INTO UserComments VALUES ("+Output+",'"+username+"','"+Comment+"','"+DateTime.Now.ToString()+"')";

adapter = new SqlDataAdapter();

command = new SqlCommand(sql, conn);

adapter.InsertCommand = new SqlCommand(sql, conn);

adapter.InsertCommand.ExecuteNonQuery();

command.Dispose();

adapter.Dispose();

// show all comments

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

dataReader = command.ExecuteReader();

int index = 0;

while (dataReader.Read())

{

if (index == 0)

{

Label1.Text = dataReader.GetString(1);

Label2.Text = dataReader.GetValue(3).ToString();

TextBox3.Text = dataReader.GetString(2);

}

else if (index == 1)

{

Label3.Text = dataReader.GetString(1);

Label4.Text = dataReader.GetDateTime(3).ToString();

TextBox4.Text = dataReader.GetString(2);

}

else if (index == 2)

{

Label5.Text = dataReader.GetString(1);

Label6.Text = dataReader.GetDateTime(3).ToString();

TextBox5.Text = dataReader.GetString(2);

}

else if (index == 3)

{

Label7.Text = dataReader.GetString(1);

Label8.Text = dataReader.GetDateTime(3).ToString();

TextBox6.Text = dataReader.GetString(2);

}

else if (index == 4)

{

Label9.Text = dataReader.GetString(1);

Label10.Text = dataReader.GetDateTime(3).ToString();

TextBox7.Text = dataReader.GetString(2);

}

index++;

}

conn.Close();

Session["loadindex"] = 1;

}

protected void Button2\_Click(object sender, EventArgs e)

{

PopulateComments(0);

}

protected void Button3\_Click(object sender, EventArgs e)

{

PopulateComments(2);

}

}

}

Web Page 6:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm6.aspx.cs" Inherits="Ethical\_Hacking.WebForm6" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<link href="StyleSheet1.css" rel="stylesheet" type="text/css" />

<style type="text/css">

.auto-style1 {

width: 30%;

}

.auto-style3 {

height: 415px;

}

.auto-style5 {

width: 21%;

}

.auto-style6 {

width: 102%;

}

.auto-style7 {

width: 28%;

}

</style>

</head>

<body>

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

<header>

<h1>Hacking Website</h1>

<div class="logo">

<a href="#"> <asp:Image ID="Image1" runat="server" ImageUrl="~/logo-no-background.png" />

</a>

</div>

<h1>Staff</h1>

<p>

</p>

</header>

<div style =

"

background-color: #1c1c1c;

display: flex;

">

<table>

<tr>

<td class="auto-style3" colspan="4">

<asp:GridView ID="GridView1" runat="server" EmptyDataText="NULL" OnSelectedIndexChanged="GridView1\_SelectedIndexChanged">

<SelectedRowStyle BackColor="Gray" BorderColor="Red" BorderStyle="Solid" BorderWidth="2px" />

</asp:GridView>

</td>

</tr>

<tr>

<td>

<asp:Button ID="Button4" runat="server" Text="Back" CssClass ="Button" OnClick="Button4\_Click" />

</td>

<td>

<asp:Label ID="Label11" runat="server" Text="Label"></asp:Label>

</td>

<td>

<asp:Button ID="Button5" runat="server" Text="Next" CssClass ="Button" OnClick="Button5\_Click" />

</td>

</tr>

<tr>

<td class="auto-style1">

Seatch:

<asp:TextBox ID="TextBox1" runat="server" CssClass="TextBox" OnTextChanged="TextBox1\_TextChanged"></asp:TextBox>

</td>

<td class="auto-style5">

Insert:

<asp:Button ID="Button1" runat="server" Text="Insert" OnClick="Button1\_Click" />

</td>

<td class="auto-style7">

Update:

<asp:Button ID="Button2" runat="server" Text="Update" OnClick="Button2\_Click" />

</td>

<td class="auto-style6">

Delete:

<asp:Button ID="Button3" runat="server" Text="Delete" OnClick="Button3\_Click" />

</td>

</tr>

<tr>

<td>

<h1>Info</h1>

</td>

</tr>

<tr>

<td><p>ID:</p>

<asp:TextBox ID="TextBox2" runat="server" CssClass="TextBox" Height="43px" ForeColor="White"></asp:TextBox>

</td>

</tr>

<tr>

<td><p>Username:</p>

<asp:TextBox ID="TextBox3" runat="server" CssClass="TextBox" Height="43px" ForeColor="White"></asp:TextBox>

</td>

</tr>

<tr>

<td><p>Comment:</p>

<asp:TextBox ID="TextBox4" runat="server" CssClass="TextBox" Height="124px" ForeColor="White"></asp:TextBox>

</td>

</tr>

<tr>

<td>

<p>Date:</p>

<asp:TextBox ID="TextBox5" runat="server" CssClass="TextBox" Height="124px" ForeColor="White"></asp:TextBox>

</td>

</tr>

</table>

</div>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.SqlClient;

using System.Data;

namespace Ethical\_Hacking

{

public partial class WebForm6 : System.Web.UI.Page

{

string constr = @"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Comments.mdf;Integrated Security=True";

public SqlConnection conn;

public SqlDataAdapter adapter;

public DataSet ds;

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

{

Session["loadindex2"] = 1;

HttpCookie \_userCookieRetreive = Request.Cookies["Staff"];

if (\_userCookieRetreive != null) //if the cookie is not empty

{

if (\_userCookieRetreive["Valid"] != "True")

{

Response.Redirect("WebForm7.aspx");

}

}

else

{

Response.Redirect("WebForm7.aspx");

}

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

adapter = new SqlDataAdapter();

ds = new DataSet();

conn.Open();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

adapter.SelectCommand = command;

adapter.Fill(ds);

GridView1.DataSource = ds;

GridView1.DataBind(); //Binding is required for web apps

conn.Close();

}

protected void GridView1\_SelectedIndexChanged(object sender, EventArgs e)

{

}

protected void TextBox1\_TextChanged(object sender, EventArgs e)

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

SqlDataReader dataReader;

conn.Open();

sql = @"SELECT \* FROM UserComments WHERE Id = " + TextBox1.Text + "";

command = new SqlCommand(sql, conn);

dataReader = command.ExecuteReader();

while (dataReader.Read())

{

TextBox2.Text = dataReader.GetInt32(0).ToString();

TextBox3.Text = dataReader.GetString(1);

TextBox4.Text = dataReader.GetString(2);

try

{

TextBox5.Text = dataReader.GetDateTime(3).ToString();

}

catch { }

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlCommand command;

string sql = "";

conn = new SqlConnection(constr);

conn.Open();

sql = "INSERT INTO UserComments VALUES (" + Int32.Parse(TextBox2.Text) + ",'" + TextBox3.Text + "','" + TextBox4.Text + "'," + DateTime.Parse(TextBox5.Text) + ")";

adapter = new SqlDataAdapter();

command = new SqlCommand(sql, conn);

adapter.InsertCommand = new SqlCommand(sql, conn);

adapter.InsertCommand.ExecuteNonQuery();

command.Dispose();

adapter.Dispose();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

adapter.SelectCommand = command;

adapter.Fill(ds);

GridView1.DataSource = ds;

GridView1.DataBind(); //Binding is required for web apps

conn.Close();

}

protected void Button2\_Click(object sender, EventArgs e)

{

SqlCommand command;

string sql = "";

conn = new SqlConnection(constr);

conn.Open();

sql = "UPDATE UserComments SET Username ='" + TextBox3.Text + "', Comment = '" + TextBox4.Text + "', Date =" + DateTime.Parse(TextBox5.Text) + " WHERE Id = "+(TextBox2.Text);

adapter = new SqlDataAdapter();

command = new SqlCommand(sql, conn);

adapter.UpdateCommand = new SqlCommand(sql, conn);

adapter.UpdateCommand.ExecuteNonQuery();

command.Dispose();

adapter.Dispose();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

adapter.SelectCommand = command;

adapter.Fill(ds);

GridView1.DataSource = ds;

GridView1.DataBind(); //Binding is required for web apps

conn.Close();

}

protected void Button3\_Click(object sender, EventArgs e)

{

string delete\_query = "DELETE FROM UserComments WHERE Id =" + TextBox1.Text ;

SqlCommand command;

conn = new SqlConnection(constr);

conn.Open();

command = new SqlCommand(delete\_query, conn);

SqlDataAdapter adapter = new SqlDataAdapter();

adapter.DeleteCommand = command;

adapter.DeleteCommand.ExecuteNonQuery();

conn.Close();

}

protected void Button4\_Click(object sender, EventArgs e)

{

PopulateComments(0);

}

protected void Button5\_Click(object sender, EventArgs e)

{

PopulateComments(2);

}

public void PopulateComments(int State)

{

if (State == 1)// initial state load first 5

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

adapter = new SqlDataAdapter();

ds = new DataSet();

conn.Open();

sql = @"SELECT \* FROM UserComments";

command = new SqlCommand(sql, conn);

adapter.SelectCommand = command;

adapter.Fill(ds);

GridView1.DataSource = ds;

GridView1.DataBind(); //Binding is required for web apps

conn.Close();

Session["loadindex2"] = 1;

}

else if ((State == 0)) //back state loade prevoius 5

{

if (int.Parse(Session["loadindex2"].ToString()) <= 2) { PopulateComments(1); }

else

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

adapter = new SqlDataAdapter();

ds = new DataSet();

Session["loadindex2"] = int.Parse(Session["loadindex2"].ToString()) - 1;

int loadindex = int.Parse(Session["loadindex2"].ToString());

loadindex = (5 \* loadindex) - 4;

conn.Open();

sql = @"SELECT \* FROM UserComments WHERE Id >= " + loadindex;

command = new SqlCommand(sql, conn);

adapter.SelectCommand = command;

adapter.Fill(ds);

GridView1.DataSource = ds;

GridView1.DataBind(); //Binding is required for web apps

conn.Close();

}

}

else if ((State == 2)) // next state load next 5

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

adapter = new SqlDataAdapter();

ds = new DataSet();

Session["loadindex2"] = int.Parse(Session["loadindex2"].ToString()) + 1;

int loadindex = int.Parse(Session["loadindex2"].ToString());

loadindex = (5 \* loadindex) - 4;

conn.Open();

sql = @"SELECT \* FROM UserComments WHERE Id >= " + loadindex;

command = new SqlCommand(sql, conn);

adapter.SelectCommand = command;

adapter.Fill(ds);

GridView1.DataSource = ds;

GridView1.DataBind(); //Binding is required for web apps

conn.Close();

}

Label11.Text = Session["loadindex2"].ToString();

}

}

}

Web Page 7:

HTML:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm7.aspx.cs" Inherits="Ethical\_Hacking.WebForm7" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<link href="StyleSheet1.css" rel="stylesheet" type="text/css" />

</head>

<body>

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

<table>

<tr>

<td>

<h1>Staff Login</h1>

</td>

</tr>

<tr>

<td>

Username:

<asp:TextBox ID="TextBox1" runat="server" CssClass="TextBox"></asp:TextBox>

</td>

</tr>

<tr>

<td>

Surname:&nbsp;

<asp:TextBox ID="TextBox2" runat="server" CssClass="TextBox"></asp:TextBox>

</td>

</tr>

<tr>

<td>

<asp:Button ID="Button1" CssClass="Button" runat="server" Text="Login" Height="44px" OnClick="Button1\_Click" Width="116px" />

</td>

</tr>

</table>

</form>

</body>

</html>

C#:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.SqlClient;

using System.Data;

namespace Ethical\_Hacking

{

public partial class WebForm7 : System.Web.UI.Page

{

string constr = @"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Comments.mdf;Integrated Security=True";

public SqlConnection conn;

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

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlCommand command;

string sql;

conn = new SqlConnection(constr);

string username = TextBox1.Text;

string password = TextBox2.Text;

conn.Open();

sql = "SELECT \* FROM Staff WHERE Username = @username AND Password = @password";

command = new SqlCommand(sql, conn);

command.Parameters.AddWithValue("@username", username);

command.Parameters.AddWithValue("@password", password);

// Execute the command.

SqlDataReader reader = command.ExecuteReader();

// Check if the user exists in the database.

if (reader.Read())

{

// The user exists, so the credentials are correct.

HttpCookie \_userCookie = new HttpCookie("Staff");

\_userCookie["Valid"] = "True";

Response.Cookies.Add(\_userCookie);

\_userCookie.Expires = DateTime.Now.AddDays(7);

Response.Redirect("WebForm6.aspx");

}

else

{

// The user does not exist, so the credentials are incorrect.

}

conn.Close();

// Get the username and password from the text boxes.

}

}

}

Styles:

/\* Set background color and font styles \*/

body {

background-color: #0e0e0e;

color: #fff;

font-family: 'Courier New', monospace;

font-size: 16px;

line-height: 1.5;

width: 100%;

}

/\* Header styles \*/

header {

top: 0;

left: 0;

width: 100%;

padding: 20px;

display: flex;

justify-content: space-between;

align-items: center;

background-color: #333;

box-shadow: 0px 5px 10px rgba(0, 0, 0, 0.5);

z-index: 10;

}

.logo {

display: flex;

align-items: center;

}

.logo img {

width: 100%;

height: auto;

max-width: 250px;

}

header h1 {

font-size: 24px;

font-weight: bold;

letter-spacing: 2px;

}

.main-nav ul {

margin: 0;

padding: 0;

list-style: none;

display: flex;

}

.main-nav li {

position: relative;

margin-right: 20px;

}

.main-nav a {

display: block;

color: #ffffff;

text-decoration: none;

padding: 0 10px;

}

.main-nav a:hover {

background-color: #555;

}

.main-nav ul ul {

position: absolute;

top: 100%;

left: 0;

background-color: #1c1c1c;

padding: 0;

display: none;

}

.main-nav ul ul li {

display: block;

width: 100%;

}

.main-nav ul ul li a {

color: #ffffff;

font-weight: normal;

padding: 10px;

}

.main-nav ul ul li a:hover {

color: #1c1c1c;

}

.main-nav li:hover > ul {

display: block;

}

/\* Main content styles \*/

main {

margin: 10px;

padding: 20px;

display: block;

flex-wrap: wrap;

width: 100%;

}

section h2 a {

color: #fff;

}

section {

margin: 20px;

padding: 20px;

background-color: #1c1c1c;

box-shadow: 0px 5px 10px rgba(0, 0, 0, 0.5);

display: block;

width: 100%;

}

section h2 {

margin-bottom: 20px;

font-size: 20px;

}

section ul {

list-style: none;

}

section ul li {

margin-bottom: 10px;

}

section ul li a {

color: #fff;

text-decoration: none;

font-weight: bold;

}

section ul li a:hover {

color: #a5a5a5;

}

ol {

list-style: decimal;

font-size: 18px;

line-height: 1.5;

margin: 0;

padding: 0 0 0 30px;

}

ol li {

margin: 10px 0;

}

ol li a {

color: #0077c0;

text-decoration: none;

}

ol li a:hover {

color: #003d;

text-decoration: underline;

}

/\* Footer styles \*/

footer {

background-color: #333;

color: #fff;

padding: 20px;

box-shadow: 0px -5px 10px rgba(0, 0, 0, 0.5);

width: 100%;

align-items: center;

text-align: center;

}

footer p {

font-size: 14px;

font-weight: bold;

letter-spacing: 1px;

text-align: center;

align-self: center;

}

/\* Media queries \*/

@media (max-width: 768px) {

header {

display: flex;

flex-direction: column;

align-items: center;

padding: 10px;

}

.logo {

margin-bottom: 10px;

}

.main-nav {

margin-top: 10px;

}

.main-nav ul {

flex-direction: column;

}

.main-nav li {

margin-right: 0;

}

.main-nav a {

padding: 5px;

}

.main-nav ul ul {

position: static;

background-color: transparent;

box-shadow: none;

}

}

/\* Custom styles for improved layout/design \*/

.container {

margin-top: 40px;

}

.row {

display: flex;

flex-wrap: wrap;

justify-content: space-between;

}

.col-md-8,

.col-md-4 {

flex-basis: calc(50% - 10px);

}

@media (max-width: 767px) {

.col-md-8,

.col-md-4 {

flex-basis: 100%;

margin-bottom: 20px;

}

}

form {

background-color: #0E0E0E;

font-family: 'Courier New', monospace;

font-size: 16px;

line-height: 1.5;

display: block;

width: 100%;

border-style: none;

border-width: 0px;

padding: 0px;

margin: 0px;

}

label {

font-weight: bold;

margin-bottom: 10px;

}

.comment,

.question {

margin-bottom: 20px;

padding: 20px;

background-color: #f5f5f5;

border-radius: 10px;

box-shadow: 0px 5px 10px rgba(0, 0, 0, 0.1);

}

.media {

display: flex;

align-items: flex-start;

}

.media img {

width: 60px;

height: 60px;

border-radius: 50%;

margin-right: 20px;

}

.media-body {

flex: 1;

}

.media-body h5 {

margin: 0;

font-size: 18px;

}

.media-body p {

margin-bottom: 0;

color: #777;

}

.TextBox {

background-color: #333333;

border-style: none;

cursor: text;

display: flex;

color : white;

}

table,

tr,

td {

width: 100%;

margin: 10px;

padding: 20px;

}

.Button {

border-style: none;

border-color: inherit;

border-width: medium;

background-color: #333;

color: #fff;

border-radius: 5px;

cursor: pointer;

position: relative;

display: block;

vertical-align: central;

width: 70px;

height:70px;

}

/\* Media queries \*/

@media (max-width: 480px) {

.col-md-8,

.col-md-4 {

flex-basis: 100%;

margin-bottom: 20px;

}

.main-nav ul {

flex-direction: column;

}

.main-nav li {

margin-right: 0;

}

.main-nav a {

padding: 5px;

}

.main-nav ul ul {

position: static;

background-color: transparent;

box-shadow: none;

}

}

.calendar {

color: white;

}

.Cal {

background-color: #0E0E0E;

border-style: none;

color: #FFFFFF;

}

Database UserComments:

CREATE TABLE [dbo].[UserComments] (

[Id] INT NOT NULL,

[Username] NVARCHAR (50) NULL,

[Comment] NVARCHAR (MAX) NULL,

[Date] DATETIME NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);

Database Staff:

CREATE TABLE [dbo].[Staff] (

[Id] INT NOT NULL,

[Username] NVARCHAR (50) NULL,

[Password] NVARCHAR (50) NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);