



Khulna University of Engineering & Technology, Khulna

Department of
Electronics & Communication Engineering

Project Report on:

Designing an E-Commerce Website using HTML, CSS, JavaScript, ASP.NET

Course No: **CSE 3100**

Course Title: **Internet Programming Laboratory**

Submitted By

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Objective:

To create a Curriculum Vitae using HTML & CSS.

Theory:

HTML, or **HyperText Markup Language**, is the standard language for creating web pages. It uses tags to define the structure and content of a webpage. Elements like headings, paragraphs, images, and links are crucial components. Tags come in pairs, with an opening and closing tag. Attributes provide additional information about elements. A typical HTML document includes a declaration, `<html>`, `<head>` (for metadata), and `<body>` (for main content). Hyperlinks are created using `<a>` tags. Images are added with `` tags, specifying a source (src) attribute. Lists can be ordered `` or unordered ``, both using `` for list items. HTML5 introduced semantic elements like `<header>`, `<footer>`, `<section>`, `<article>`, and `<nav>`.

CSS, or **Cascading Style Sheets**, is a vital web technology. It complements HTML by styling web pages, controlling elements' appearance like colors, fonts, and layout. CSS rules consist of selectors (targeting elements) and properties (defining appearance). Syntax involves curly braces and property-value pairs. The "cascade" resolves conflicting styles from various sources. Inheritance allows child elements to adopt parent styles unless overridden. The box model governs an element's space with properties like margin, border, and padding. Different units like pixels, em, and percentages offer layout flexibility. Media queries enable responsive design for various screen sizes. CSS frameworks like Bootstrap and preprocessors like Sass enhance styling capabilities.

JavaScript is a widely-used programming language for web development. It enables interactivity, dynamic content, and DOM manipulation on websites. Created by Brendan Eich in 1995, it was initially called Mocha before being renamed JavaScript. It's distinct from Java, despite the similar name. JavaScript works in conjunction with HTML and CSS to create interactive web pages. It's an interpreted language, allowing for quick development without compilation. With Node.js, JavaScript can also be used for server-side scripting. The language boasts a rich ecosystem of libraries and frameworks like React and Angular. JavaScript is foundational in modern web development, powering many popular websites and applications.

ASP.NET is a web application framework developed by Microsoft. It enables developers to build dynamic, robust, and scalable web applications and services. It's a part of the larger .NET platform, providing a powerful environment for server-side scripting and web development. ASP.NET supports multiple programming languages, including C# and VB.NET, offering flexibility to developers. It utilizes a Model-View-Controller (MVC) architecture, promoting organized and maintainable code. ASP.NET also includes Web Forms, a technology for creating web pages with a drag-and-drop interface. It integrates seamlessly with other Microsoft technologies and tools, enhancing productivity for developers in the Microsoft ecosystem. ASP.NET Core, a cross-platform and open-source version, extends the framework's capabilities to non-Windows environments. It's widely used in enterprise-level applications, powering various websites and web services across different industries.

Software used:

Visual Studio 2022

Code:

Homepage:

```
<%@ Page Title="" Language="C#" MasterPageFile "~/User/User.Master" AutoEventWireup="true"
CodeBehind="Default.aspx.cs" Inherits="TechWorld.User.Default" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceholder1" runat="server">

<!-- offer section -->

<section class="offer_section layout_padding-bottom">
    <div class="offer_container">
        <div class="container">
            <div class="row">
                <div class="col-md-6">
                    <div class="box">
                        <div class="img-box">
                            
                        </div>
                        <div class="detail-box">
                            <h5>
                                iPhone Special
                            </h5>
                            <h6>
                                <span>10%</span> Off
                            </h6>
                            <a href="">
                                Shop Now <svg version="1.1" id="Capa_1" xmlns="http://www.w3.org/2000/svg"
                                xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px" viewBox="0 0 456.029 456.029"
                                style="enable-background:new 0 0 456.029 456.029;" xml:space="preserve">
                                    <g>
                                        <g>
                                            <path d="M345.6,338.862c-29.184,0-53.248,23.552-
53.248,53.248c0,29.184,23.552,53.248,53.248,53.248
                                            c29.184,0,53.248-23.552,53.248-
53.248C398.336,362.926,374.784,338.862,345.6,338.862z" />
                                        </g>
                                    </g>
                                    <g>
                                        <g>
                                            <path d="M439.296,84.91c-1.024,0-2.56-0.512-4.096-0.512H112.64l-5.12-
34.304C104.448,27.566,84.992,10.67,61.952,10.67H20.48
                                            C9.216,10.67,0,19.886,0,31.15c0,11.264,9.216,20.48,20.48,20.48h41.472c2.56,0,4.608,2.048,5.12,4.608l31
.744,216.064
                                            c4.096,27.136,27.648,47.616,55.296,47.616h212.992c26.624,0,49.664-18.944,55.296-
45.056l33.28-166.4
                                            C457.728,97.71,450.56,86.958,439.296,84.91z" />
                                        </g>
                                    </g>
                                    <g>
                                        <path d="M215.04,389.55c-1.024-28.16-24.576-50.688-52.736-50.688c-
29.696,1.536-52.224,26.112-51.2,55.296
                                            c1.024,28.16,24.064,50.688,52.224,50.688h1.024C193.536,443.31,216.576,418.734,215.04,389.55z" />
                                    </g>
                                </svg>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>
```



```

        </div>
    </section>

    <!-- end offer section -->

    <!-- about section -->

<section class="about_section layout_padding">
    <div class="container" >

        <div class="row">
            <div class="col-md-6 ">
                <div class="img-box">
                    
                </div>
            </div>
            <div class="col-md-6">
                <div class="detail-box">
                    <div class="heading_container">
                        <h2>
                            TechWorld
                        </h2>
                    </div>
                    <p>
                        Providing latest smartphones with best prices is our first priorities. We do believe in Service not in cheap words.
                    </p>
                    You can order from anywhere in the country through online. We try to deliver our products as soon as possible.
                    </p>
                    <a href="">
                        Read More
                    </a>
                </div>
            </div>
        </div>
    </div>
</section>

    <!-- end about section -->

    <!-- client section -->

<section class="client_section layout_padding-bottom">
    <div class="container">
        <div class="heading_container heading_center psudo_white_primary mb_45">
            <h2>
                What Says Our Customers
            </h2>
        </div>
        <div class="carousel-wrap row ">
            <div class="owl-carousel client_owl-carousel">
                <div class="item">
                    <div class="box">
                        <div class="detail-box">
                            <p>
                                They try to give products with awesome prices... All the staff are very helpful...
                            </p>
                            You can trust them.
                            </p>
                            <h6>
                                Fahad Azom
                            </h6>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>

```

```

        </h6>
        <p>

            </p>
        </div>
        <div class="img-box">
            
        </div>
    </div>
<div class="item">
    <div class="box">
        <div class="detail-box">
            <p>
                I just love their after sales services... You can deal with them without any
hesitaiton.
            </p>
            <h6>
                Debashis Bishwas
            </h6>
            <p>

                </p>
        </div>
        <div class="img-box">
            
        </div>
    </div>
</div>
</div>
</div>
</section>

<!-- end client section --&gt;

&lt;/asp:Content&gt;
</pre>

```

Login Page:

```

<%@ Page Title="" Language="C#" UnobtrusiveValidationMode="None" MasterPageFile="~/User/User.Master"
AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="TechWorld.User.Login" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
    <script>
        /*For disappearing alert message*/
        window.onload = function () {
            var seconds = 5;
            setTimeout(function () {
                document.getElementById("<%=lblMsg.ClientID %>").style.display = "none";
            }, seconds * 1000);
        };
    </script>
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
    <section class="book_section layout_padding">
        <div class="container">
            <div class="heading_container">

```

```

<div class="align-self-end">
    <asp:Label runat="server" ID="lblMsg"></asp:Label>
</div>
<h2>Login</h2>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form_container">
            
        </div>
    </div>

    <div class="col-md-6">
        <div class="form_container">

            <div>
                <asp:RequiredFieldValidator ID="rfvUsername" runat="server"
ErrorMessage="Username is required" ControlToValidate="txtUsername"
                    ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                    <asp:TextBox ID="txtUsername" runat="server" CssClass="form-control"
placeholder="Enter Username"></asp:TextBox>
                </div>

                <div>
                    <asp:RequiredFieldValidator ID="rfvPassword" runat="server"
ErrorMessage="Password is required" ControlToValidate="txtPassword"
                    ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                    <asp:TextBox ID="txtPassword" runat="server" CssClass="form-control"
placeholder="Enter Password" TextMode="Password"></asp:TextBox>
                </div>

                <div class="btn-box">
                    <asp:Button ID="btnLogin" runat="server" Text="Login" CssClass="btn btn-
success rounded-pill pl-4 pr-4 text-white"
                        OnClick="btnLogin_Click"/>
                    <span class="pl-3 text-info">New User? <a href="Registration.aspx"
class="badge badge-info">Register here..</a></span>
                </div>

            </div>
        </div>
    </div>
</section>
</asp:Content>

```

Registration Page:

```

<%@ Page Title="" Language="C#" UnobtrusiveValidationMode="None" MasterPageFile="~/User/User.Master"
AutoEventWireup="true" CodeBehind="Registration.aspx.cs" Inherits="TechWorld.User.Registration" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

<script>
    /*For disappearing alert message*/
    window.onload = function () {

```

```

var seconds = 5;
setTimeout(function () {
    document.getElementById("<%=lblMsg.ClientID %>").style.display = "none";
}, seconds * 1000);
};

</script>

<script>
    function ImagePreview(input) {
        if (input.files && input.files[0]) {
            var reader = new FileReader();
            reader.onload = function (e) {
                $('#<%=imgUser.ClientID%>').prop('src', e.target.result)
                    .width(200)
                    .height(200);
            };
            reader.readAsDataURL(input.files[0]);
        }
    }
</script>

</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<section class="book_section layout_padding">
    <div class="container">
        <div class="heading_container">
            <div class="align-self-end">
                <asp:Label ID="lblMsg" runat="server" Visible="false"></asp:Label>
            </div>
            <asp:Label ID="lblHeaderMsg" runat="server" Text="<h2>User
Registration</h2>"></asp:Label>
        </div>
    </div>
    <div class="row">
        <div class="col-md-6">
            <div class="form_container">

                <div>
                    <asp:RequiredFieldValidator ID="rfvName" runat="server" ErrorMessage="Name
is required!" ControlToValidate="txtName"
                        ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                    <asp:RegularExpressionValidator ID="revName" runat="server"
ErrorMessage="Name must contain characters only."
                        ForeColor="Red" Display="Dynamic" SetFocusOnError="true"
ValidationExpression="^[a-zA-Z\s]+$" ControlToValidate="txtName"
                        ></asp:RegularExpressionValidator>
                    <asp:TextBox ID="txtName" runat="server" CssClass="form-control"
placeholder="Enter Full Name"
                        ToolTip="Full Name"></asp:TextBox>
                </div>

                <div>
                    <asp:RequiredFieldValidator ID="rfvUsername" runat="server"
ErrorMessage="Username is required!" ControlToValidate="txtUsername"
                        ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                </div>
            </div>
        </div>
    </div>
</section>

```

```

        <asp:TextBox ID="txtUsername" runat="server" CssClass="form-control"
placeholder="Enter Username"
            ToolTip="Username"></asp:TextBox>
        </div>

        <div>

            <asp:RequiredFieldValidator ID="rfvEmail" runat="server"
ErrorMessage="Email is required!" ControlToValidate="txtEmail"
                ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
            <asp:TextBox ID="txtEmail" runat="server" CssClass="form-control"
placeholder="Enter Email"
                ToolTip="Email" TextMode="Email"></asp:TextBox>
            </div>

            <div>

                <asp:RequiredFieldValidator ID="rfvMobile" runat="server"
ErrorMessage="Mobile Number is required!" ControlToValidate="txtMobile"
                    ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                <asp:RegularExpressionValidator ID="revMobile" runat="server"
ErrorMessage="Mobile No. must contain 11 digits only."
                    ForeColor="Red" Display="Dynamic" SetFocusOnError="true"
ValidationExpression="^[0-9]{11}$" ControlToValidate="txtMobile"
                        ></asp:RegularExpressionValidator>
                <asp:TextBox ID="txtMobile" runat="server" CssClass="form-control"
placeholder="Enter Mobile Number"
                    ToolTip="Mobile" TextMode="Number"></asp:TextBox>
            </div>

            </div>
        </div>

        <div class="col-md-6">
            <div class="form_container">

                <div>

                    <asp:RequiredFieldValidator ID="rfvAddress" runat="server"
ErrorMessage="Address is required!" ControlToValidate="txtAddress"
                        ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                    <asp:TextBox ID="txtAddress" runat="server" CssClass="form-control"
placeholder="Enter Address"
                        ToolTip="Address" TextMode="MultiLine"></asp:TextBox>
                </div>

                <div>

                    <asp:RequiredFieldValidator ID="rfvPostCode" runat="server"
ErrorMessage="Post/Zip Code is required!" ControlToValidate="txtPostCode"
                        ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
                    <asp:RegularExpressionValidator ID="revPostCode" runat="server"
ErrorMessage="Post/Zip Code must contain 4 digits only."
                        ForeColor="Red" Display="Dynamic" SetFocusOnError="true"
ValidationExpression="^[0-9]{4}$" ControlToValidate="txtPostCode"
                            ></asp:RegularExpressionValidator>
                </div>
            </div>
        </div>
    
```

```

        <asp:TextBox ID="txtPostCode" runat="server" CssClass="form-control"
placeholder="Enter Post/Zip Code"
            ToolTip="Post/Zip Code" TextMode="Number"></asp:TextBox>
        </div>

        <div>
            <asp:FileUpload ID="fuUserImage" runat="server" CssClass="form-control"
ToolTip="User Image" onchange="ImagePreview(this); " />
        </div>

        <div>

            <asp:RequiredFieldValidator ID="rfvPassword" runat="server"
ErrorMessage="Password is required!" ControlToValidate="txtPassword"
                ForeColor="Red" Display="Dynamic" SetFocusOnError="true" Font-
Size="Small"></asp:RequiredFieldValidator>
            <asp:TextBox ID="txtPassword" runat="server" CssClass="form-control"
placeholder="Enter Password"
                ToolTip="Password" TextMode="Password"></asp:TextBox>
            </div>
        </div>

        <div class="row pl-4">
            <div class="btn_box">
                <asp:Button ID="btnRegister" runat="server" Text="Register" CssClass="btn btn-
success rounded-pill pl-4 pr-4 text-white"
                    OnClick="btnRegister_Click" />
                <asp:Label ID="lblAlreadyUser" runat="server" CssClass="pl-3 text-black-100"
                    Text="Already registered? <a href='Login.aspx' class='badge badge-
info'>Login here..</a>">
                </asp:Label>
            </div>
        </div>

        <div class="row p-5">
            <div style="align-items: center">
                <asp:Image ID="imgUser" runat="server" CssClass="img-thumbnail"/>
            </div>
        </div>

        </div>
    </div>
</section>

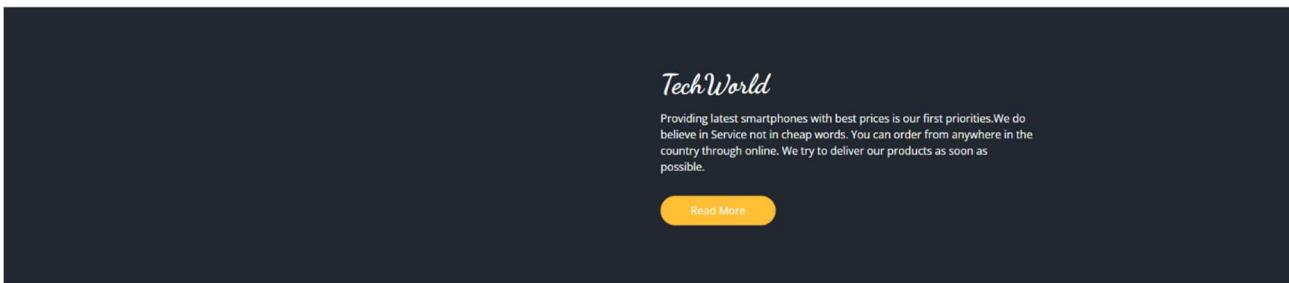
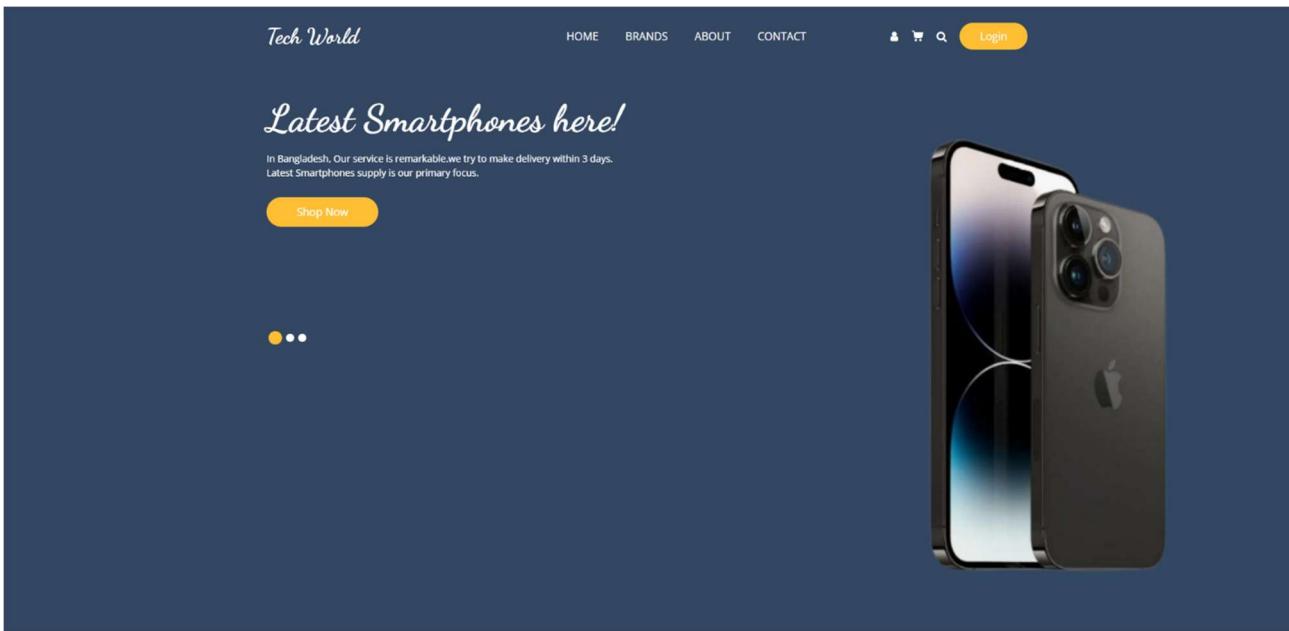
</asp:Content>

```

Github link:

https://github.com/sajibrahmansl25/sajibrahmansl25.github.io/tree/main/TechWorld_Using_ASP.Net

Output:



What Says Our Customers



All Brands

All Samsung iPhone Google Huawei

		
iPhone 14 Pro Max Brand: Apple Color: Black Ram/Rom: 4GB/512GB Camera: 12MP-12MP-12MP Display: 6.7" Retina CPU: Bionic A16	Galaxy S23 Ultra Brand: Samsung Color: Purple Ram/Rom: 2GB/256GB Camera: 108MP-50MP-50MP Display: 6.8" Super Amoled CPU: Snapdragon 8 Gen2	iPhone 14 pro Brand: Apple Color: Black Ram/Rom: 4GB/256GB Camera: 12MP-12MP-12MP Display: 6.7" Retina CPU: Bionic A16
\$1200	\$1500	\$1000
		
Pixel 7 Pro Brand: Google Color: Black Ram/Rom: 8GB/256GB Camera: 108MP-50MP-50MP Display: 6.8" Super Amoled CPU: Snapdragon 8 Gen2	Huawei P60 Pro Brand: Huawei Color: Black Ram/Rom: 8GB/256GB Camera: 108MP-50MP-50MP Display: 6.67" Super Amoled CPU: Snapdragon 8 Gen1	iPhone 14 mini Brand: Apple Color: Black Ram/Rom: 4GB/256GB Camera: 12MP-12MP Display: 5.7" Retina CPU: Bionic A16
\$1800	\$1800	\$900
		
Galaxy S23 Plus Brand: Samsung Color: Purple Ram/Rom: 12GB/256GB Camera: 64MP-50MP-50MP Display: 6.5" Super Amoled CPU: Snapdragon 8 Gen2	Galaxy S23 Brand: Samsung Color: Purple Ram/Rom: 8GB/256GB Camera: 64MP-50MP Display: 6.2" Super Amoled CPU: Snapdragon 8 Gen2	Pixel 7 Brand: Google Color: Black Ram/Rom: 8GB/256GB Camera: 108MP-50MP-50MP Display: 6.8" Super Amoled CPU: Snapdragon 8 Gen2
\$1200	\$1000	\$1200

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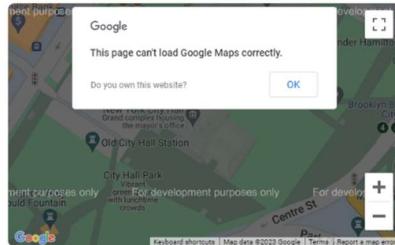
Necessary, making this the first true generator on the Internet. It uses a dictionary of over 200 Latin words, combined with



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10.00 Am - 10.00 Pm

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User Registration

Enter Full Name	Enter Address
Enter Username	Enter Post/Zip Code
Enter Email	<input type="file"/> Choose File No file chosen
Enter Mobile Number	Enter Password

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Discussion & Conclusion: By this project, I've learnt how to build a website using HTML, CSS, JavaScript, ASP.Net.