**9) Enhance an ASP.NET application by incorporating Bootstrap modals for user interactions. Implement a feature that loads data from the server using AJAX when a button inside a modal is clicked. Show how Bootstrap and AJAX work together to improve the user experience.:**

1)Add->webform:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication3.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<!-- Bootstrap CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">

<!-- jQuery -->

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"></script>

<!-- Bootstrap JS -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

</head>

<body>

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

<div>

<!-- Your ASP.NET button -->

<asp:Button ID="btnShowModal" runat="server" Text="Show Modal" CssClass="btn btn-primary" data-toggle="modal" data-target="#myModal" />

<!-- Bootstrap Modal -->

<div class="modal" tabindex="-1" role="dialog" id="myModal">

<div class="modal-dialog" role="document">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title">Modal Title</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<p>Click the button below to load data using AJAX:</p>

<button type="button" class="btn btn-success" id="btnLoadData">Load Data</button>

<!-- Container to display loaded data -->

<div id="dataContainer"></div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- JavaScript to handle AJAX request -->

<script>

$(document).ready(function () {

// AJAX request when the "Load Data" button is clicked

$('#btnLoadData').click(function () {

$.ajax({

url: 'www.google.com', // Replace with your server-side endpoint

method: 'GET',

success: function (data) {

// Display the loaded data in the modal

$('#dataContainer').html(data);

},

error: function (error) {

console.error('Error loading data:', error);

}

});

});

});

</script>

</div>

</form>

</body>

</html>

2)Webform.aspx.cs:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication3

{

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

{

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

{

// Your server-side code

// Endpoint to handle AJAX request

if (Request.QueryString["action"] == "loadData")

{

// Simulate loading data from the server (replace with your logic)

string loadedData = "Data loaded from the server.";

// Return the loaded data

Response.Write(loadedData);

Response.End();

}

}

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

{

}

}

}