AIM: DESIGN A WEB APPLICATION FOR AN ORGANIZATION WITH REGISTRATION FORMS AND ADVANCED CONTROLS

A) **Design online registration form for the participation of technical events (use HTML Controls, validation controls) and display all the data on the other page. Also design a layout using Master Page.**

SOURCE CODE:

Site.master:

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="Site.master.cs"
Inherits="SiteMaster" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head runat="server">
    <title></title>
    <link href="~/Styles/Site.css" rel="stylesheet" type="text/css" />

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
        rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
        crossorigin="anonymous" />
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
        crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
        integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
        crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
        integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
        crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.2/angular.min.js"
integrity="sha512-
7oYXeK0OxTFxndh0erL8FsjGvrl2VMDor6fVqzlLGfwOQQqTbYsGPv4ZZ15QHfSk80doyaM0ZJdv
kyDcVO7KFA==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>
    <asp:ContentPlaceHolder ID="HeadContent" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <form id="Form1" runat="server" method="post">
        <div class="container" style="padding: 25px">
            <div style="font-weight: bold; margin-block-end: 10px; text-align: center; border-
style: solid">
                <h1>SMART INDIA HACKATHON 2022
                </h1>
```

```
        </div>
        <div style="float: left; width: 22%; height: auto; border-style: solid; margin-block-
start: 15px; padding: 10px; margin-left: 10px; margin-right: 5px">
            <asp:Menu ID="NavigationMenu" runat="server" CssClass="menu"
EnableViewState="false" IncludeStyleBlock="false" Orientation="Vertical">
                <Items>
                    <asp:MenuItem NavigateUrl="~/Default.aspx" Text="Home" />
                    <asp:MenuItem NavigateUrl="~/About.aspx" Text="About" />
                </Items>
            </asp:Menu>
        </div>
        <div style="float: left; width: 73%; border-style: solid; margin-block-start: 15px;
margin-left: 5px; padding: 10px; margin-block-end: 10px">
            <asp:ContentPlaceHolder ID="MainContent" runat="server" />
        </div>

        <p style="border-style: solid; text-align: center; font-weight: bold">
            Copyright 2022 , Developed by Narender Keswani
        </p>
        </div>
    </form>
</body>
</html>
```

Default.aspx:

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
    CodeFile="Default.aspx.cs" Inherits="_Default" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">

    <div class="mb-3">
        <label for="exampleFormControlInput1" class="form-label">Email address</label>
        <asp:TextBox ID="email" runat="server" CssClass="form-control" placeholder="Enter
your email"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
            runat="server" ErrorMessage="Please enter your email"
            ControlToValidate="email"></asp:RequiredFieldValidator>
        <asp:RegularExpressionValidator
            ID="regEmail"
            ControlToValidate="email"
            Text="Enter valid email id"
            ValidationExpression="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*"
            runat="server" />
    </div>

    <div class="mb-3">
        <label for="exampleFormControlInput1" class="form-label">Select College:</label>
        <asp:DropDownList ID="college" runat="server" CssClass="form-select">
```

```
            <asp:ListItem Value="">Please Select</asp:ListItem>
            <asp:ListItem>JHC </asp:ListItem>
            <asp:ListItem>SPIT</asp:ListItem>
            <asp:ListItem>VESIT</asp:ListItem>
        </asp:DropDownList>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator9"
            runat="server" ErrorMessage="Please select your college"
            ControlToValidate="college"></asp:RequiredFieldValidator>
    </div>

    <div class="mb-3">
        <label>Team Mentor Name:</label>
        <asp:TextBox ID="tmn" runat="server" CssClass="form-control" placeholder="Enter
your Team Mentor"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator2"
            runat="server" ErrorMessage="Please enter team mentor name"
            ControlToValidate="tmn"></asp:RequiredFieldValidator>
    </div>

    <div class="mb-3">
        <label>Team Member 1 Name:</label>
        <asp:TextBox ID="tm1" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 1"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator3"
            runat="server" ErrorMessage="Please enter team member name 1"
            ControlToValidate="tm1"></asp:RequiredFieldValidator>
    </div>

    <div class="mb-3">
        <label>Team Member 2 Name:</label>
        <asp:TextBox ID="tm2" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 2"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator4"
            runat="server" ErrorMessage="Please enter team member name 2"
            ControlToValidate="tm2"></asp:RequiredFieldValidator>
    </div>

    <div class="mb-3">
        <label>Team Member 3 Name:</label>
        <asp:TextBox ID="tm3" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 3"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator5"
            runat="server" ErrorMessage="Please enter team member name 3"
            ControlToValidate="tm3"></asp:RequiredFieldValidator>
    </div>

    <div class="mb-3">
        <label>Team Member 4 Name:</label>
        <asp:TextBox ID="tm4" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 4"></asp:TextBox>
        <asp:RequiredFieldValidator ID="RequiredFieldValidator6"
```

```
            runat="server" ErrorMessage="Please enter team member name 4"
            ControlToValidate="tm4"></asp:RequiredFieldValidator>
        </div>

        <div class="mb-3">
          <label>Team Member 5 Name:</label>
          <asp:TextBox ID="tm5" runat="server" CssClass="form-control" placeholder="Enter
    your Team Member Name 5"></asp:TextBox>
          <asp:RequiredFieldValidator ID="RequiredFieldValidator7"
            runat="server" ErrorMessage="Please enter team member name 5"
            ControlToValidate="tm5"></asp:RequiredFieldValidator>
        </div>

        <div class="mb-3">
          <label>Team Member 6 Name:</label>
          <asp:TextBox ID="tm6" runat="server" CssClass="form-control" placeholder="Enter
    your Team Member Name 6"></asp:TextBox>
          <asp:RequiredFieldValidator ID="RequiredFieldValidator8"
            runat="server" ErrorMessage="Please enter team member name 6"
            ControlToValidate="tm6"></asp:RequiredFieldValidator>
        </div>
        <div class="mb-3">
          <asp:Button ID="Button1" runat="server" Text="Register" CssClass="btn btn-primary"
    PostBackUrl="~/Default2.aspx" />
        </div>
    </asp:Content>
```

Default2.aspx:
```
<%@ Page Language="C#" AutoEventWireup="true"  MasterPageFile="~/Site.master"
CodeFile="Default2.aspx.cs" Inherits="Default2" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
  <div>
 <asp:Label ID="Smsg" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Semail" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Stm" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Scollege" runat="server" Text="" CssClass="form-control"></asp:Label><br
/>
 <asp:Label ID="Stm1" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Stm2" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Stm3" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Stm4" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Stm5" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Stm6" runat="server" Text="" CssClass="form-control"></asp:Label><br />
  </div>
</asp:Content>
```

Default2.aspx.cs:

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

public partial class Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (PreviousPage != null)
        {
            ContentPlaceHolder placeHolder =
(ContentPlaceHolder)PreviousPage.Master.FindControl("MainContent");
            TextBox email = (TextBox)placeHolder.FindControl("email");
            Smsg.Text = "<h3 style='color:green;'> You are successfully registered for SIH 2022
with following details: </h3>";
            Semail.Text = "<b>Email :- </b>" + email.Text + "</b>";
            DropDownList college = (DropDownList)placeHolder.FindControl("college");
            Scollege.Text = "<b>College :- </b>" + college.Text + "</b>";
            TextBox tm = (TextBox)placeHolder.FindControl("tmn");
            Stm.Text = "<b>Team Mentor: </b>" + tm.Text + "</b>";
            TextBox tm1 = (TextBox)placeHolder.FindControl("tm1");
            Stm1.Text = "<b>Team Member 1: </b>" + tm1.Text + "</b>";
            TextBox tm2 = (TextBox)placeHolder.FindControl("tm2");
            Stm2.Text = "<b>Team Member 2: </b>" + tm2.Text + "</b>";
            TextBox tm3 = (TextBox)placeHolder.FindControl("tm3");
            Stm3.Text = "<b>Team Member 3: </b>" + tm3.Text + "</b>";
            TextBox tm4 = (TextBox)placeHolder.FindControl("tm4");
            Stm4.Text = "<b>Team Member 4: </b>" + tm4.Text + "</b>";
            TextBox tm5 = (TextBox)placeHolder.FindControl("tm5");
            Stm5.Text = "<b>Team Member 5: </b>" + tm5.Text + "</b>";
            TextBox tm6 = (TextBox)placeHolder.FindControl("tm6");
            Stm6.Text = "<b>Team Member 6: </b>" + tm6.Text + "</b>";
        }
    }
}
```

About.aspx:

```
<%@ Page Title="About Us" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
    CodeFile="About.aspx.cs" Inherits="About" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
    <h2>
        About Us
    </h2>
```

```
    <p>
     Hi,
        I am Narender Keswani
     </p>
</asp:Content>
```

OUTPUT:

HOMEPAGE:

ABOUT US PAGE:

VALIDATION:

Email address

| Enter your email |

Please enter your email

Select College:

| Please Select |

Please select your college

Team Mentor Name:

| Enter your Team Mentor |

Please enter team mentor name

Team Member 1 Name:

| Enter your Team Member Name 1 |

Please enter team member name 1

Team Member 2 Name:

| Enter your Team Member Name 2 |

Please enter team member name 2

Team Member 3 Name:

| Enter your Team Member Name 3 |

Please enter team member name 3

Team Member 4 Name:

| Enter your Team Member Name 4 |

Please enter team member name 4

Team Member 5 Name:

| Enter your Team Member Name 5 |

Please enter team member name 5

Team Member 6 Name:

| Enter your Team Member Name 6 |

Please enter team member name 6

Showing data on next page:

FORM FILLING:

Email address

| narender.rk10@gmail.com |

Select College:

| VESIT |

Team Mentor Name:

| SUNNY NAHAR |

Team Member 1 Name:

| NARENDER KESWANI |

Team Member 2 Name:

| CHINMAY VYAPARI |

Team Member 3 Name:

| PRATHAMESH BHOSALE |

Team Member 4 Name:

| MD ABUZER ANSARI |

Team Member 5 Name:

| YASH SAWANT |

Team Member 6 Name:

| A. LALITA KUMARI |

Register

- Home
- About

You are successfully registered for SIH 2022 with following details:

Email :- narender.rk10@gmail.com

Team Mentor: SUNNY NAHAR

College :- VESIT

Team Member 1: NARENDER KESWANI

Team Member 2: CHINMAY VYAPARI

Team Member 3: PRATHAMESH BHOSALE

Team Member 4: MD ABUZER ANSARI

Team Member 5: YASH SAWANT

Team Member 6: A. LALITA KUMARI

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B) **Build a simple angular web application.**

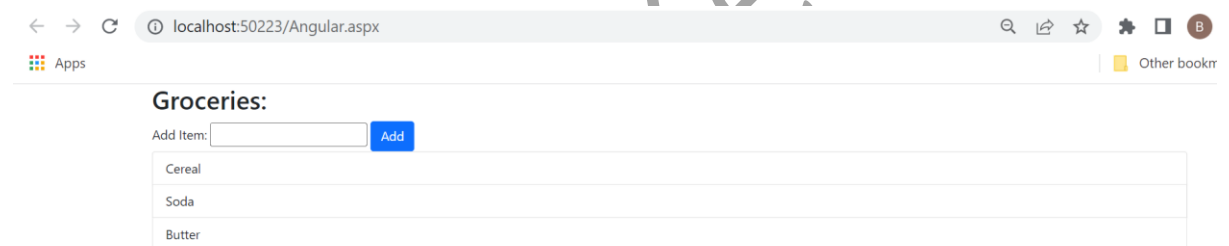**SOURCE CODE:**

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Angular.aspx.cs"
Inherits="Angular" %>

<!DOCTYPE html>
<html>
<head>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.2/angular.min.js"
        integrity="sha512-
7oYXeK0OxTFxndh0erL8FsjGvrl2VMDor6fVqzlLGfwOQQqTbYsGPv4ZZ15QHfSk80doyaM0ZJdv
kyDcVO7KFA=="
        crossorigin="anonymous" referrerpolicy="no-referrer"></script>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
        rel="stylesheet"
        integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
        crossorigin="anonymous">
    <script
        src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
        crossorigin="anonymous"></script>
</head>
<body ng-app="myApp">
    <div>
        <div class="container" ng-controller="groceryCtrl">
            <h2>Groceries:</h2>
            Add Item:
            <input type="text" ng-model="addGrocery" />
            <button class="btn btn-primary" ng-click="addItem()">Add</button>
```

```html
        <ul class="list-group">
          <li class="list-group-item" ng-repeat="g in Groceries">{{ g }} </li>
        </ul>
      </div>
    </div>
    <script type="text/javascript">
      angular.module('myApp', [])
        .controller('groceryCtrl', function GroceryController($scope) {
          $scope.Groceries = [];
          $scope.addItem = function () {
            $scope.Groceries.push($scope.addGrocery);
            $scope.addGrocery = "";
          }
        });
    </script>
</body>
</html>
```

OUTPUT:

CONCLUSION:

From this practical, I have learned how to create web application in asp.net.