

Dharmsinh Desai University

Department of MCA

Semester - III

ASP.NET Programming With C#

Termwork Report on

Employee Management System

Submitted by

Roll No Name

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Title: Employee Management System

Description:

The Employee Management System is a comprehensive platform designed to streamline the management of employee information. It allows for efficient handling of CRUD operations—Create, Read, Update, and Delete—ensuring that employee data is always up-to-date and easily accessible.

Admin can add new employees, view detailed employee profiles, search for specific employees, update existing employee information, and delete records as needed. This system is essential for maintaining an organized and efficient workplace, providing a user-friendly interface for managing all aspects of employee data.

Codes:

Login.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="Default.aspx.cs"
Inherits="EmployeeManagementSystem.Default" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Admin Login</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
    .login-container {
      width: 300px;
      margin: 100px auto;
      padding: 20px;
      background-color: white;
      border-radius: 5px;
```

```
box-shadow: 0 0 10px rgba(0,0,0,0.1);
    }
    .login-container h2 {
      text-align: center;
    }
    .form-group {
      margin-bottom: 15px;
    }
    .form-group label {
      display: block;
      margin-bottom: 5px;
    }
    .form-group input {
      width: 100%;
      height: 20px;
      padding: 10px,10px;
      border: 1px solid #ccc;
      border-radius: 3px;
    }
    .btn {
      width: 100%;
      padding: 10px;
      background-color: #007BFF;
      color: white;
      border: none;
      border-radius: 3px;
      cursor: pointer;
    .btn:hover {
      background-color: #0056b3;
    .logout{
      text-align: center;
  </style>
</head>
<body>
```

```
<form id="form1" runat="server">
    <div class="login-container">
      <h2>Admin Login</h2>
      <div class="form-group">
        <label for="txtUsername">Username:</label>
        <asp:TextBox ID="txtUsername" runat="server" />
      </div>
      <div class="form-group">
        <label for="txtPassword">Password:</label>
        <asp:TextBox ID="txtPassword" runat="server"
TextMode="Password" />
      </div>
      <asp:Button ID="btnLogin" runat="server" Text="Login" CssClass="btn"
OnClick="btnLogin Click" />
      <asp:Label ID="lblMessage" runat="server" ForeColor="Red" />
      <br />
      <div class="logout">
        <a href="Logout.aspx">Logout</a>
      </div>
    </div>
  </form>
</body>
</html>
Login.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System. Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
  public partial class Default : System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
```

```
{
    }
    protected void btnLogin_Click(object sender, EventArgs e)
      string username = txtUsername.Text;
      string password = txtPassword.Text;
      if (username == "admin" && password == "admin")
        lblMessage.Text = "Login successful!";
        Response.Redirect("Home.aspx");
      }
      else
        lblMessage.Text = "Invalid username or password.";
    }
  }
}
Home.aspx:
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="Home.aspx.cs" Inherits="EmployeeManagementSystem.Home"
%>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Employee Management System</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
```

```
margin: 0;
  padding: 0;
}
.container {
  width: 80%;
  margin: 50px auto;
  padding: 20px;
  background-color: white;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
header {
  text-align: center;
  margin-bottom: 20px;
}
header h1 {
  color: #007BFF;
}
nav {
  background-color: #007BFF;
  padding: 10px;
  border-radius: 5px;
  margin-bottom: 20px;
}
nav ul {
  list-style-type: none;
  padding: 0;
  text-align: center;
}
nav ul li {
  display: inline;
  margin: 0 15px;
}
nav ul li a {
  text-decoration: none;
  color: white;
  font-weight: bold;
```

```
padding: 10px 5px;
     border-radius: 3px;
     transition: background-color 0.3s;
   }
   nav ul li a:hover {
     background-color: #0056b3;
   main {
     text-align: center;
     margin-bottom: 20px;
   }
   main h2 {
     color: #333;
   }
   footer {
     text-align: center;
     font-size: 0.9em;
     color: #666;
   }
 </style>
</head>
<body>
 <form id="form1" runat="server">
    <div class="container">
     <header>
       <h1>Employee Management System</h1>
       <nav>
         ul>
           <a href="Home.aspx">Home</a>
           <a href="AddEmployee.aspx">Add Employee</a>
           <a href="DisplayEmployee.aspx">View Employees</a>
           <a href="SearchEmployee.aspx">Search Employee</a>
           <a href="UpdateEmployee.aspx">Update Employee</a>
           <a href="DeleteEmployee.aspx">Delete Employee</a>
         </nav>
     </header>
```

<main>

<h2>Welcome to the Employee Management System</h2>The Employee Management System is a comprehensive platform

designed to streamline the management of employee information. It allows for efficient handling of CRUD operations—Create, Read, Update, and Delete—ensuring that employee data is always up-to-date and easily accessible. Admin can add new employees, view detailed employee profiles, search for specific employees, update existing employee information, and delete records as needed. This system is essential for maintaining an organized and efficient workplace, providing a user-friendly interface for managing all aspects of employee data.

```
</main>
     <footer>
       © 2024 Employee Management System
        <a href="Logout.aspx">Logout</a>
     </footer>
   </div>
 </form>
</body>
</html>
Home.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
{
 public partial class Home: Page
    protected void Page Load(object sender, EventArgs e)
    {
```

```
}
  }
}
```

AddEmployee.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="AddEmployee.aspx.cs"
Inherits="EmployeeManagementSystem.AddEmployee" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
 <title>Add Employee</title>
  k rel="stylesheet" type="text/css" href="Styles/styles.css" />
</head>
<body>
 <form id="form1" runat="server">
   <div class="container">
     <header>
       <h1>Add New Employee</h1>
       <nav>
         <a href="Home.aspx">Home</a>
           <a href="AddEmployee.aspx">Add Employee</a>
           <a href="DisplayEmployee.aspx">View Employees</a>
           <a href="SearchEmployee.aspx">Search Employee</a>
           <a href="UpdateEmployee.aspx">Update Employee</a>
           <a href="DeleteEmployee.aspx">Delete Employee</a>
         </nav>
     </header>
     <main>
       <h2>Enter Employee Details</h2>
       <div>
         <label>First Name:</label>
         <asp:TextBox ID="txtFirstName" runat="server"></asp:TextBox>
```

```
<div>
          <label>Last Name:</label>
          <asp:TextBox ID="txtLastName" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Email:</label>
          <asp:TextBox ID="txtEmail" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Mobile No:</label>
          <asp:TextBox ID="txtMobile" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Department:</label>
          <asp:TextBox ID="txtDepartment" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Salary:</label>
          <asp:TextBox ID="txtSalary" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Designation:</label>
          <asp:TextBox ID="txtdes" runat="server"></asp:TextBox>
        </div>
        <div>
          <asp:Button ID="btnSubmit" runat="server" Text="Submit"
OnClick="btnSubmit_Click" />
          <asp:Button ID="btnCancel" runat="server" Text="Cancel"
OnClick="btnCancel_Click" />
        </div>
      </main>
      <footer>
        © 2024 Employee Management System
        <a href="Logout.aspx">Logout</a>
      </footer>
    </div>
```

</div>

```
</form>
</body>
</html>
addEmployee.aspx.cs:
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
  public partial class AddEmployee: Page
    protected void Page_Load(object sender, EventArgs e)
    }
    protected void btnSubmit Click(object sender, EventArgs e)
      string connectionString =
System.Configuration.ConfigurationManager.ConnectionStrings["EmployeeDB
Connection"].ConnectionString;
      using (SqlConnection con = new SqlConnection(connectionString))
      {
        string query = "INSERT INTO Employee (FirstName, LastName, Email,
MobileNo, Department, Salary, Designation) VALUES (@FirstName,
@LastName, @Email, @MobileNo, @Department, @Salary, @Designation)";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.Parameters.AddWithValue("@FirstName", txtFirstName.Text);
        cmd.Parameters.AddWithValue("@LastName", txtLastName.Text);
```

```
cmd.Parameters.AddWithValue("@Email", txtEmail.Text);
        cmd.Parameters.AddWithValue("@MobileNo", txtMobile.Text);
        cmd.Parameters.AddWithValue("@Department",
txtDepartment.Text);
        cmd.Parameters.AddWithValue("@Salary",
decimal.Parse(txtSalary.Text));
        cmd.Parameters.AddWithValue("@Designation", txtdes.Text);
        con.Open();
        cmd.ExecuteNonQuery();
      }
      Response.Redirect("DisplayEmployee.aspx");
    }
    protected void btnCancel_Click(object sender, EventArgs e)
      Response.Redirect("Home.aspx");
    }
 }
}
searchEmployee.aspx:
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="SearchEmployee.aspx.cs"
Inherits="EmployeeManagementSystem.SearchEmployee" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Search Employee</title>
 <link rel="stylesheet" type="text/css" href="Styles/styles.css" />
</head>
<body>
  <form id="form1" runat="server">
    <div class="container">
      <header>
        <h1>Search Employee</h1>
```

```
<nav>
    ul>
      <a href="Home.aspx">Home</a>
      <a href="AddEmployee.aspx">Add Employee</a>
      <a href="DisplayEmployee.aspx">View Employees</a>
      <a href="SearchEmployee.aspx">Search Employee</a>
      <a href="UpdateEmployee.aspx">Update Employee</a>
      <a href="DeleteEmployee.aspx">Delete Employee</a>
    </nav>
</header>
<main>
  <h2>Search for an Employee</h2>
  <div>
    <label>Search by ID or Name:</label>
    <asp:TextBox ID="txtSearch" runat="server"></asp:TextBox>
    <asp:Button ID="btnSearch" runat="server" Text="Search"
     OnClick="btnSearch Click" />
  </div>
  <div>
    <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" CssClass="grid-view">
      <Columns>
        <asp:BoundField DataField="EmployeeId" HeaderText="ID" />
        <asp:BoundField DataField="FirstName" HeaderText="First
          Name" />
        <asp:BoundField DataField="LastName" HeaderText="Last
           Name" />
        <asp:TemplateField HeaderText="Actions">
         <ItemTemplate>
           <asp:LinkButton ID="btnEdit" runat="server" Text="Edit"
          CommandArgument='<%#
Eval("EmployeeId") %>' OnCommand="btnEdit_Command" />
           <asp:LinkButton ID="btnDelete" runat="server"
Text="Delete" CommandArgument='<%#
Eval("EmployeeId") %>' OnCommand="btnDelete Command" />
```

```
</asp:TemplateField>
            </Columns>
          </asp:GridView>
        </div>
      </main>
      <footer>
        © 2024 Employee Management System
        <a href="Logout.aspx">Logout</a>
      </footer>
    </div>
  </form>
</body>
</html>
searchEmployee.aspx.cs:
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SqlClient;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
{
  public partial class SearchEmployee : System.Web.UI.Page
    protected void Page Load(object sender, EventArgs e)
    {
    }
    protected void btnSearch_Click(object sender, EventArgs e)
    {
```

```
string connectionString =
     System.Configuration.ConfigurationManager.ConnectionStrings["Employ
eeDBConnection"].ConnectionString;
      using (SqlConnection con = new SqlConnection(connectionString))
        string searchTerm = txtSearch.Text.Trim();
        string query;
        if (int.TryParse(searchTerm, out int employeeld))
          query = "SELECT * FROM Employee WHERE EmployeeId =
@Search";
        }
        else
          query = "SELECT * FROM Employee WHERE FirstName LIKE '%' +
@Search + '%' OR LastName LIKE '%' + @Search +
        }
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.Parameters.AddWithValue("@Search", searchTerm);
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        DataTable dt = new DataTable();
        da.Fill(dt);
        GridView1.DataSource = dt;
        GridView1.DataBind();
      }
    }
    protected void btnEdit Command(object sender, CommandEventArgs e)
    {
```

Response.Redirect(\$"UpdateEmployee.aspx?id={e.CommandArgument}");

}

```
protected void btnDelete Command(object sender, CommandEventArgs
e)
   {
Response.Redirect($"DeleteEmployee.aspx?id={e.CommandArgument}");
 }
}
displayEmployee.aspx:
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="DisplayEmployee.aspx.cs"
Inherits="EmployeeManagementSystem.DisplayEmployee" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
 <title>Employee List</title>
 k rel="stylesheet" type="text/css" href="Styles/styles.css" />
</head>
<body>
 <form id="form1" runat="server">
   <div class="container">
     <header>
       <h1>Employee List</h1>
       <nav>
         <a href="Home.aspx">Home</a>
           <a href="AddEmployee.aspx">Add Employee</a>
           <a href="DisplayEmployee.aspx">View Employees</a>
           <a href="SearchEmployee.aspx">Search Employee</a>
           <a href="UpdateEmployee.aspx">Update Employee</a>
           <a href="DeleteEmployee.aspx">Delete Employee</a>
         </nav>
     </header>
     <main>
```

```
<h2>List of Employees</h2>
       <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" OnRowCommand="GridView1 RowCommand"
CssClass="grid-view">
         <Columns>
           <asp:BoundField DataField="EmployeeId" HeaderText="ID"
ReadOnly="True" />
           <asp:BoundField DataField="FirstName" HeaderText="First
Name" ReadOnly="True" />
           <asp:BoundField DataField="LastName" HeaderText="Last Name"
ReadOnly="True" />
           <asp:BoundField DataField="Email" HeaderText="Email"
ReadOnly="True" />
           <asp:BoundField DataField="MobileNo" HeaderText="Mobile No"
ReadOnly="True" />
           <asp:BoundField DataField="Department"
HeaderText="Department" ReadOnly="True" />
           <asp:BoundField DataField="Salary" HeaderText="Salary"
ReadOnly="True" />
           <asp:TemplateField HeaderText="Actions">
             <ItemTemplate>
               <asp:Button ID="btnEdit" runat="server" Text="Edit"
CommandName="Edit" CommandArgument='<%#
     Eval("EmployeeId") %>' />
               <asp:Button ID="btnDelete" runat="server" Text="Delete"
CommandName="Delete"
     CommandArgument='<%# Eval("EmployeeId") %>' />
             </asp:TemplateField>
         </Columns>
       </asp:GridView>
     </main>
     <footer>
       © 2024 Employee Management System
        <a href="Logout.aspx">Logout</a>
     </footer>
```

```
</div>
  </form>
</body>
</html>
DisplayEmployee.aspx.cs:
using System;
using System.Data;
using System.Data.SqlClient;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
  public partial class DisplayEmployee : System.Web.UI.Page
    protected void Page Load(object sender, EventArgs e)
      if (!IsPostBack)
        BindGrid();
    }
    private void BindGrid()
    {
      string connectionString =
System.Configuration.ConfigurationManager.ConnectionStrings["EmployeeDB
Connection"].ConnectionString;
      using (SqlConnection con = new SqlConnection(connectionString))
      {
        string query = "SELECT * FROM Employee";
        SqlDataAdapter da = new SqlDataAdapter(query, con);
        DataTable dt = new DataTable();
        da.Fill(dt);
        GridView1.DataSource = dt;
        GridView1.DataBind();
      }
```

```
}
    protected void GridView1 RowCommand(object sender,
GridViewCommandEventArgs e)
    {
      if (e.CommandName == "Edit")
        int employeeId = Convert.ToInt32(e.CommandArgument);
        Response.Redirect($"UpdateEmployee.aspx?id={employeeId}");
      else if (e.CommandName == "Delete")
        int employeeId = Convert.ToInt32(e.CommandArgument);
        Response.Redirect($"DeleteEmployee.aspx?id={employeeId}");
      }
    }
  }
}
DeleteEmployee.aspx:
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="DeleteEmployee.aspx.cs"
Inherits="EmployeeManagementSystem.DeleteEmployee" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Delete Employee</title>
  <link rel="stylesheet" type="text/css" href="Styles/styles.css" />
</head>
<body>
  <form id="form1" runat="server">
    <div class="container">
      <header>
        <h1>Delete Employee</h1>
        <nav>
          ul>
```

```
<a href="Home.aspx">Home</a>
           <a href="AddEmployee.aspx">Add Employee</a>
           <a href="DisplayEmployee.aspx">View Employees</a>
           <a href="SearchEmployee.aspx">Search Employee</a>
           <a href="UpdateEmployee.aspx">Update Employee</a>
           <a href="DeleteEmployee.aspx">Delete Employee</a>
         </nav>
     </header>
     <main>
       <h2>Delete Employee</h2>
       <div>
         <label>Employee ID:</label>
         <asp:TextBox ID="txtEmployeeID" runat="server"></asp:TextBox>
         <asp:Button ID="btnDelete" runat="server" Text="Delete"
OnClick="btnDelete Click" />
         <asp:Button ID="btnCancel" runat="server" Text="Cancel"
OnClick="btnCancel Click" />
       </div>
       <asp:Label ID="lblMessage" runat="server"
ForeColor="Red"></asp:Label>
       <h2>List of Employees</h2>
      <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False">
         <Columns>
           <asp:BoundField DataField="EmployeeID" HeaderText="ID"
ReadOnly="True" />
           <asp:BoundField DataField="FirstName" HeaderText="First
Name" ReadOnly="True" />
           <asp:BoundField DataField="LastName" HeaderText="Last Name"
ReadOnly="True" />
           <asp:BoundField DataField="Email" HeaderText="Email"
ReadOnly="True" />
           <asp:BoundField DataField="MobileNo" HeaderText="Mobile No"
ReadOnly="True" />
```

```
<asp:BoundField DataField="Department"
HeaderText="Department" ReadOnly="True" />
            <asp:BoundField DataField="Salary" HeaderText="Salary"
ReadOnly="True" />
            <asp:TemplateField HeaderText="Actions">
              <ItemTemplate>
                <asp:Button ID="btnSelect" runat="server" Text="Select"
CommandName="Select"
     CommandArgument='<%# Eval("EmployeeID") %>'
OnCommand="btnSelect Command" />
              </ltemTemplate>
            </asp:TemplateField>
          </Columns>
      </asp:GridView>
      </main>
      <footer>
        © 2024 Employee Management System
        <a href="Logout.aspx">Logout</a>
      </footer>
    </div>
  </form>
</body>
</html>
DeleteEmployee.aspx.cs:
using System;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
  public partial class DeleteEmployee: System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
```

```
{
      if (!IsPostBack)
        BindEmployeeGrid();
      }
    }
    private void BindEmployeeGrid()
      string connectionString =
ConfigurationManager.ConnectionStrings["EmployeeDBConnection"].Connecti
onString;
      using (SqlConnection connection = new
SqlConnection(connectionString))
      {
        string query = "SELECT EmployeeID, FirstName, LastName, Email,
MobileNo, Department, Salary FROM Employee";
        using (SqlCommand command = new SqlCommand(query,
connection))
        {
          try
            connection.Open();
            SqlDataAdapter adapter = new SqlDataAdapter(command);
            DataTable dataTable = new DataTable();
            adapter.Fill(dataTable);
            GridView1.DataSource = dataTable;
            GridView1.DataBind();
          catch (Exception ex)
          {
            lblMessage.Text = "Error loading employee data: " + ex.Message;
        }
      }
    }
```

```
private void LoadEmployeeData(string employeeId)
    {
      string connectionString =
ConfigurationManager.ConnectionStrings["EmployeeDBConnection"].Connecti
onString;
      using (SqlConnection connection = new
SqlConnection(connectionString))
      {
        string query = "SELECT FirstName, LastName FROM Employees
WHERE EmployeeID = @EmployeeID";
        using (SqlCommand command = new SqlCommand(query,
connection))
        {
          command.Parameters.AddWithValue("@EmployeeID",
employeeld);
          try
          {
            connection.Open();
            SqlDataReader reader = command.ExecuteReader();
            if (reader.Read())
            {
              txtEmployeeID.Text = employeeId;
              txtFirstName.Text = reader["FirstName"].ToString();
              txtLastName.Text = reader["LastName"].ToString();
            }
            else
              lblMessage.Text = "Employee not found.";
            }
          }
          catch (Exception ex)
          {
            lblMessage.Text = "Error loading data: " + ex.Message;
        }
      }
```

```
protected void btnDelete_Click(object sender, EventArgs e)
      string employeeId = txtEmployeeID.Text;
      string connectionString =
ConfigurationManager.ConnectionStrings["EmployeeDBConnection"].Connecti
onString;
      using (SqlConnection connection = new
SqlConnection(connectionString))
        string query = "DELETE FROM Employee WHERE EmployeeID =
@EmployeeID";
        using (SqlCommand command = new SqlCommand(query,
connection))
        {
          command.Parameters.AddWithValue("@EmployeeID",
employeeld);
          try
            connection.Open();
            int rowsAffected = command.ExecuteNonQuery();
            lblMessage.Text = rowsAffected > 0 ? "Employee deleted
successfully.": "Delete operation failed.";
            BindEmployeeGrid();
          }
          catch (Exception ex)
            lblMessage.Text = "Error deleting data: " + ex.Message;
        }
      }
    }
    protected void btnSelect Command(object sender, CommandEventArgs e)
    {
```

```
txtEmployeeID.Text = e.CommandArgument.ToString();
   }
   protected void btnCancel Click(object sender, EventArgs e)
     Response.Redirect("DisplayEmployee.aspx");
 }
}
UpdateEmployee.aspx:
<%@ Page Language="C#" AutoEventWireup="true"</pre>
CodeBehind="UpdateEmployee.aspx.cs"
Inherits="EmployeeManagementSystem.UpdateEmployee" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
 <title>Update Employee</title>
 k rel="stylesheet" type="text/css" href="Styles/styles.css" />
</head>
<body>
 <form id="form1" runat="server">
   <div class="container">
     <header>
       <h1>Update Employee</h1>
       <nav>
         ul>
           <a href="Home.aspx">Home</a>
           <a href="AddEmployee.aspx">Add Employee</a>
           <a href="DisplayEmployee.aspx">View Employees</a>
           <a href="SearchEmployee.aspx">Search Employee</a>
           <a href="UpdateEmployee.aspx">Update Employee</a>
           <a href="DeleteEmployee.aspx">Delete Employee</a>
         </nav>
     </header>
```

```
<h2>Update Employee Details</h2>
        <div>
          <label>Employee ID:</label>
          <asp:TextBox ID="txtEmployeeID" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>First Name:</label>
          <asp:TextBox ID="txtFirstName" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Last Name:</label>
          <asp:TextBox ID="txtLastName" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Email:</label>
          <asp:TextBox ID="txtEmail" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Mobile No:</label>
          <asp:TextBox ID="txtMobile" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Department:</label>
          <asp:TextBox ID="txtDepartment" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Salary:</label>
          <asp:TextBox ID="txtSalary" runat="server"></asp:TextBox>
        </div>
        <div>
          <label>Designation:
          <asp:TextBox ID="txtDesignation" runat="server"></asp:TextBox>
        </div>
        <div>
          <asp:Button ID="btnUpdate" runat="server" Text="Update"
OnClick="btnUpdate_Click" />
```

<main>

```
<asp:Button ID="btnCancel" runat="server" Text="Cancel"
OnClick="btnCancel Click" />
        </div>
        <asp:Label ID="lblMessage" runat="server"
ForeColor="Red"></asp:Label>
         <h2>List of Employees</h2>
       <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False">
            <Columns>
              <asp:BoundField DataField="EmployeeID" HeaderText="ID"
ReadOnly="True" />
              <asp:BoundField DataField="FirstName" HeaderText="First
Name" ReadOnly="True" />
              <asp:BoundField DataField="LastName" HeaderText="Last
Name" ReadOnly="True" />
              <asp:BoundField DataField="Email" HeaderText="Email"
ReadOnly="True" />
              <asp:BoundField DataField="MobileNo" HeaderText="Mobile
No" ReadOnly="True" />
              <asp:BoundField DataField="Department"
HeaderText="Department" ReadOnly="True" />
              <asp:BoundField DataField="Salary" HeaderText="Salary"
ReadOnly="True" />
              <asp:TemplateField HeaderText="Actions">
                <ItemTemplate>
                  <asp:Button ID="btnSelect" runat="server" Text="Select"
CommandName="Select"
     CommandArgument='<%# Eval("EmployeeID") %>'
OnCommand="btnSelect_Command" />
                </ltemTemplate>
              </asp:TemplateField>
          </Columns>
       </asp:GridView>
      </main>
      <footer>
```

```
© 2024 Employee Management System
        <a href="Logout.aspx">Logout</a>
      </footer>
    </div>
  </form>
</body>
</html>
UpdateEmployee.aspx.cs:
using System;
using System.Data.SqlClient;
using System.Configuration;
using System.Data;
using System.Web.UI.WebControls;
namespace EmployeeManagementSystem
 public partial class UpdateEmployee : System.Web.UI.Page
 {
   protected void Page_Load(object sender, EventArgs e)
      if (!IsPostBack)
        BindEmployeeGrid();
       string employeeId = Request.QueryString["EmployeeID"];
        if (!string.lsNullOrEmpty(employeeId))
          LoadEmployeeData(employeeId);
       }
        else
          lblMessage.Text = "Invalid or missing Employee ID.";
        }
      }
    }
```

```
private void BindEmployeeGrid()
    {
      string connectionString =
ConfigurationManager.ConnectionStrings["EmployeeDBConnection"].Connecti
onString;
      using (SqlConnection connection = new
SqlConnection(connectionString))
      {
        string query = "SELECT EmployeeID, FirstName, LastName, Email,
MobileNo, Department, Salary FROM Employee";
        using (SqlCommand command = new SqlCommand(query,
connection))
        {
          try
            connection.Open();
            SqlDataAdapter adapter = new SqlDataAdapter(command);
            DataTable dataTable = new DataTable();
            adapter.Fill(dataTable);
            GridView1.DataSource = dataTable;
            GridView1.DataBind();
          catch (Exception ex)
          {
            lblMessage.Text = "Error loading employee data: " + ex.Message;
        }
      }
    private void LoadEmployeeData(string employeeId)
    {
      string connectionString =
ConfigurationManager.ConnectionStrings["EmployeeDBConnection"].Connecti
onString;
      using (SqlConnection connection = new
SqlConnection(connectionString))
```

```
{
        string query = "SELECT * FROM Employee WHERE EmployeeID =
@EmployeeID";
        using (SqlCommand command = new SqlCommand(query,
connection))
        {
          command.Parameters.AddWithValue("@EmployeeID",
employeeld);
          try
          {
            connection.Open();
            SqlDataReader reader = command.ExecuteReader();
            if (reader.Read())
            {
               txtEmployeeID.Text = reader["EmployeeID"].ToString();
              txtFirstName.Text = reader["FirstName"].ToString();
              txtLastName.Text = reader["LastName"].ToString();
              txtEmail.Text = reader["Email"].ToString();
              txtMobile.Text = reader["MobileNo"].ToString();
               txtDepartment.Text = reader["Department"].ToString();
              txtSalary.Text = reader["Salary"].ToString();
              txtDesignation.Text = reader["Designation"].ToString();
            }
            else
            {
              lblMessage.Text = "Employee not found.";
            }
          }
          catch (Exception ex)
          {
            lblMessage.Text = "Error loading data: " + ex.Message;
        }
    }
    protected void btnUpdate_Click(object sender, EventArgs e)
```

```
{
      string employeeId = txtEmployeeID.Text;
      string connectionString =
ConfigurationManager.ConnectionStrings["EmployeeDBConnection"].Connecti
onString;
      using (SqlConnection connection = new
SqlConnection(connectionString))
        string query = "UPDATE Employee SET FirstName = @FirstName,
LastName = @LastName, Email = @Email, " +
               "MobileNo = @MobileNo, Department = @Department,
Salary = @Salary, Designation = @Designation " +
               "WHERE EmployeeID = @EmployeeID";
        using (SqlCommand command = new SqlCommand(query,
connection))
        {
          command.Parameters.AddWithValue("@EmployeeID",
employeeld);
          command.Parameters.AddWithValue("@FirstName",
txtFirstName.Text);
          command.Parameters.AddWithValue("@LastName",
txtLastName.Text);
          command.Parameters.AddWithValue("@Email", txtEmail.Text);
          command.Parameters.AddWithValue("@MobileNo",
txtMobile.Text);
          command.Parameters.AddWithValue("@Department",
txtDepartment.Text);
          command.Parameters.AddWithValue("@Salary", txtSalary.Text);
          command.Parameters.AddWithValue("@Designation",
txtDesignation.Text);
          try
          {
            connection.Open();
            int rowsAffected = command.ExecuteNonQuery();
```

```
lblMessage.Text = rowsAffected > 0 ? "Employee updated
successfully.": "Update operation failed.";
            BindEmployeeGrid();
          }
          catch (Exception ex)
            lblMessage.Text = "Error updating data: " + ex.Message;
        }
      }
    }
    protected void btnSelect_Command(object sender, CommandEventArgs e)
    {
      string employeeId = e.CommandArgument.ToString();
      LoadEmployeeData(employeeId);
    }
    protected void btnCancel_Click(object sender, EventArgs e)
      Response.Redirect("DisplayEmployee.aspx");
  }
}
Styles/styles.css:
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  margin: 0;
  padding: 0;
}
.container {
  width: 80%;
```

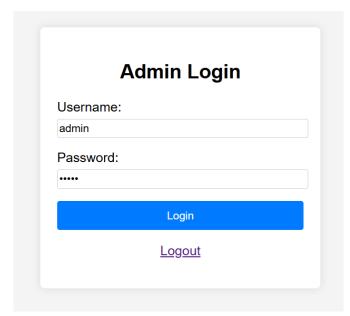
```
margin: 50px auto;
  padding: 20px;
  background-color: white;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
header {
  text-align: center;
  margin-bottom: 20px;
}
  header h1 {
    color: #007BFF;
  }
nav {
  background-color: #007BFF;
  padding: 10px;
  border-radius: 5px;
  margin-bottom: 20px;
}
  nav ul {
    list-style-type: none;
    padding: 0;
    text-align: center;
  }
    nav ul li {
      display: inline-block;
      margin: 0 10px;
    }
      nav ul li a {
        text-decoration: none;
        color: white;
```

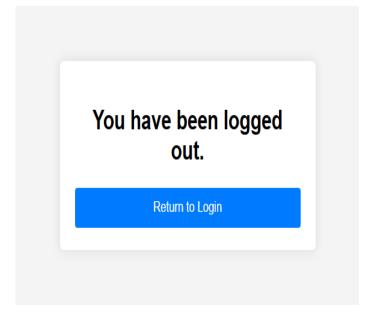
```
font-weight: bold;
        padding: 10px 10px;
        border-radius: 3px;
        transition: background-color 0.3s;
      }
        nav ul li a:hover {
           background-color: #0056b3;
main {
  text-align: left;
  margin-bottom: 20px;
}
  main h2 {
    color: #333;
  }
  main div {
    margin-bottom: 15px;
  }
label {
  font-weight: bold;
  display: inline-block;
  width: 200px;
}
footer {
  text-align: center;
  font-size: 0.9em;
  color: #666;
}
.btn {
  padding: 10px;
```

```
background-color: #007BFF;
  color: white;
  border: none;
  border-radius: 3px;
  cursor: pointer;
  margin-right: 10px;
}
  .btn:hover {
    background-color: #0056b3;
  }
.grid-view {
  margin-top: 20px;
  border-collapse: collapse;
  width: 100%;
}
  .grid-view th, .grid-view td {
    border: 1px solid #ddd;
    padding: 8px;
  }
  .grid-view th {
    background-color: #007BFF;
    color: white;
  }
  .grid-view tr:nth-child(even) {
    background-color: #f2f2f2;
  }
  .grid-view tr:hover {
    background-color: #ddd;
  }
```

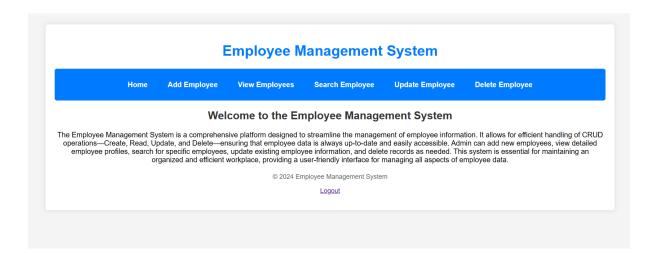
Output:

Login: Logout:

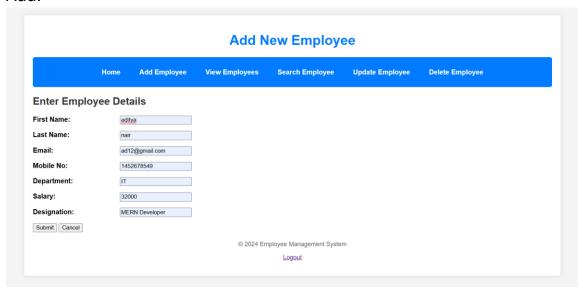




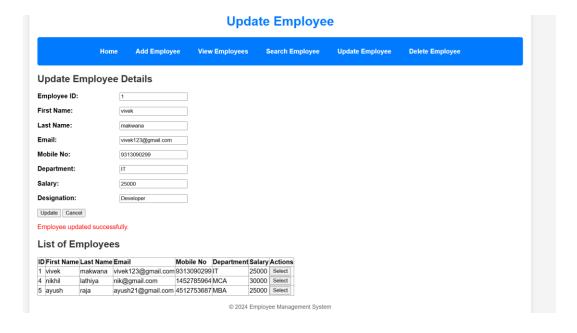
Home:



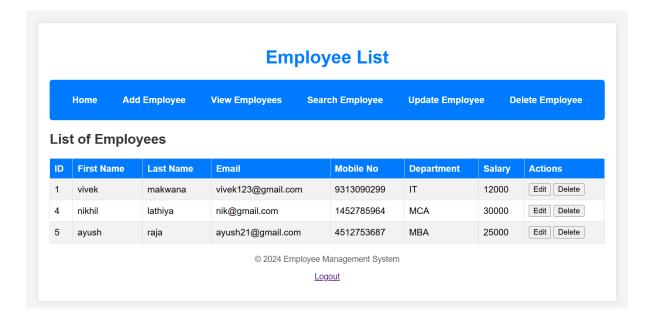
Add:



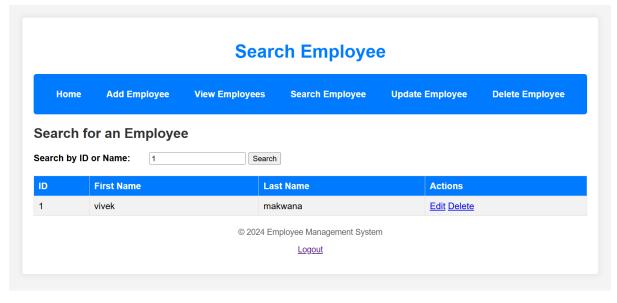
Update:



Display:



Search:



Delete:

