



EMPLOYEE PAYROLL SYSTEM

Project Report

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Project Title:

Employee Payroll System

Introduction:

The **Employee Payroll System** is a secure, role-based web application designed to manage employee data, department-wise dashboards, attendance, and salaries. It includes a login module that restricts access based on user roles (Admin or Department User). Total 15 Employees I used.

Login System:

- The system starts with a **login page** requiring a valid **username and password**.
- Credentials are stored and verified from the Roles table in the database.
- After successful login:
 - **Admin** is redirected to an **Admin Dashboard** with access to all departments.
 - **Department Users** are redirected to **their respective department dashboards**.

User Roles & Access:

Username	Password	Role	Access Level
Insha	1122	Admin	All Departments
Finance_User	1122	User	Finance Department Only
HR_User	1122	User	HR Department Only
IT_User	1122	User	IT Department Only

Similarly for Other Departments

Security Features:

- **Session Management:** Ensures users stay logged in and cannot access dashboards without authentication.
- **Role Validation:** Dashboards check if the logged-in user has access to the selected department.
- **Restricted Access:** Users cannot open dashboards by typing URLs directly.
- **ViewState Usage:** Preserves selected department data during page reloads.

1. Admin Dashboard (User: Insha)

- Has full access to:
 - View all departments: HR, Finance, IT, Sales.
 - View and manage:
 - **Employee Details**
 - **Salaries**

- **Attendance**
- **Leaves**
- Can select any department and get redirected to that department's dashboard.

2. Department Dashboards (Department Users)

Each department user is only allowed to access their **own department's data**.

A. Finance Department (Finance_User):

- Sees employee names, salaries, and attendance for Finance staff only.

B. HR Department (HR_User):

- Can view HR employees' names, contact details, designations, and attendance.

C. IT Department (IT_User):

- Dashboard displays IT staff details, roles, and availability.

Similarly for Other Departments

Demo Screen Shots of My Project

Login Page:

Code:

.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="Login.aspx.vb" Inherits="Login" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Login</title>
    <style>
        @import
url('https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap');

    body {
        font-family: 'Roboto', sans-serif;
        background: linear-gradient(to right, #e0eafc, #cfdef3);
        margin: 0;
        padding: 0;
        display: flex;
```

```

        justify-content: center;
        align-items: center;
        height: 100vh;
    }

    .container {
        background-color: #ffffff;
        padding: 35px 30px;
        border-radius: 15px;
        box-shadow: 0 8px 20px rgba(0, 0, 0, 0.15);
        width: 370px;
        text-align: center;
        animation: fadeIn 1s ease-in-out;
    }

    @keyframes fadeIn {
        from { opacity: 0; transform: translateY(30px); }
        to { opacity: 1; transform: translateY(0); }
    }

    h1 {
        color: #2c3e50;
        font-weight: 700;
        font-size: 26px;
        margin-bottom: 10px;
    }

    .intro {
        color: #555;
        font-size: 15px;
        margin-bottom: 20px;
    }

    .role-list {
        text-align: left;
        margin-top: 15px;
        font-size: 13px;
        color: #4A90E2;
        padding-left: 10px;
    }

    .role-list ul {
        list-style: none;
        padding: 0;
        margin: 0;
    }

```

```

.role-list li {
  padding: 8px 12px;
  border-radius: 6px;
  transition: background-color 0.3s, transform 0.2s;
}

.role-list li:hover {
  background-color: #f0f4f8;
  transform: scale(1.02);
  cursor: pointer;
}

input[type="text"], input[type="password"] {
  width: 100%;
  padding: 12px;
  margin: 10px 0;
  border-radius: 6px;
  border: 1px solid #ccc;
  transition: border-color 0.3s ease;
}

input[type="text"]:focus, input[type="password"]:focus {
  outline: none;
  border-color: #4A90E2;
  box-shadow: 0 0 5px rgba(74, 144, 226, 0.5);
}

input[type="button"], .aspNet-Button input {
  background-color: #4A90E2;
  color: white;
  padding: 11px 22px;
  border: none;
  border-radius: 6px;
  font-size: 15px;
  font-weight: bold;
  transition: background-color 0.3s ease, transform 0.2s;
}

input[type="button"]:hover, .aspNet-Button input:hover {
  background-color: #357ABD;
  transform: translateY(-2px);
  cursor: pointer;
}

.error-message {

```

```

        color: red;
        font-weight: bold;
        margin-bottom: 10px;
    }

    /* ASP.NET Button fix */
    .aspNet-Button input {
        all: unset;
        display: inline-block;
        padding: 11px 22px;
        background-color: #4A90E2;
        color: white;
        border-radius: 6px;
        font-size: 15px;
        text-align: center;
    }

</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h1>Welcome to Employee Payroll System</h1>
            <div class="intro">
                <p>Enter your credentials to login:</p>
            </div>

            <div class="role-list">
                <h3>Choose your role to login:</h3>
                <ul>
                    <li>Admin</li>
                    <li>Finance Manager</li>
                    <li>HR Manager</li>
                    <li>IT Manager</li>
                    <li>Marketing Manager</li>
                    <li>Operations Manager</li>
                </ul>
            </div>

            <asp:Label ID="lblMessage" runat="server" CssClass="error-
message"></asp:Label><br />
            <asp:TextBox ID="txtUsername" runat="server" placeholder="Username"
required="true"></asp:TextBox><br />
            <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
placeholder="Password" required="true"></asp:TextBox><br />

```

```

        <asp:Button ID="BtnLogin" runat="server" Text="Login" OnClick="BtnLogin_Click"
        CssClass="aspNet-Button" />
    </div>
</form>
</body>
</html>

```

.VB

```
Imports System.Data.SqlClient
```

```
Partial Class Login
```

```
    Inherits System.Web.UI.Page
```

```
    Protected Sub BtnLogin_Click(sender As Object, e As EventArgs)
```

```
        Dim conStr As String = "workstation
```

```
id=Employee_Payeroll_System.mssql.somee.com;packet size=4096;user
```

```
id=Insha_SQLLogin_2;pwd=mge27trc1t;data
```

```
source=Employee_Payeroll_System.mssql.somee.com;persist security info=False;initial
```

```
catalog=Employee_Payeroll_System;TrustServerCertificate=True"
```

```
        Dim con As New SqlConnection(conStr)
```

```
        Dim cmd As New SqlCommand("SELECT Role FROM UserCredentials WHERE Username=@username
AND Password=@password", con)
```

```
        cmd.Parameters.AddWithValue("@username", txtUsername.Text)
```

```
        cmd.Parameters.AddWithValue("@password", txtPassword.Text)
```

```
    Try
```

```
        con.Open()
```

```
        Dim role As Object = cmd.ExecuteScalar()
```

```
        con.Close()
```

```
    If role IsNot Nothing Then
```

```
        lblMessage.Text = "Login successful! Redirecting..."
```

```
        ' Store the username in session for later use
```

```
        Session("Username") = txtUsername.Text
```

```
        ' Redirect to appropriate dashboard based on role
```

```
        Select Case role.ToString()
```

```
            Case "Admin"
```

```
                Response.Redirect("AdminDashboard.aspx")
```

```
            Case "HR"
```

```
                Response.Redirect("HRManagerDashboard.aspx")
```

```
            Case "Finance"
```

```

        Response.Redirect("FinanceManagerDashboard.aspx")
    Case "IT"
        Response.Redirect("ITManagerDashboard.aspx")
    Case "Marketing"
        Response.Redirect("MarketingManagerDashboard.aspx")
    Case "Operations"
        Response.Redirect("OperationsManagerDashboard.aspx")

    Case Else
        lblMessage.Text = "Dashboard for this role is not set up."
    End Select
Else
    lblMessage.Text = "Invalid username or password."
End If
Catch ex As Exception
    lblMessage.Text = "An error occurred: " & ex.Message
End Try
End Sub
End Class

```

Output:

Welcome to Employee Payroll System

Enter your credentials to login:

Choose your role to login:

- Admin
- Finance Manager
- HR Manager
- IT Manager
- Marketing Manager
- Operations Manager

Insha

...

See above YOU entered Insha/1122 who is admin so where this redirects us is:



Welcome to the Admin's Dashboard

Step 1: Welcome!

Hello Admin, you're logged in successfully. You have full control over all departments.

Step 2: Select a Department

Human Resources Department

Manage Human Resources team and view reports.

Proceed

Finance Department

Manage Finance team and view reports.

Proceed

Information Technology Department

Manage Information Technology team and view reports.

Proceed

Let Enter Any other department Credentials
Let Human Resource Manager wants to login,

Welcome to Employee Payroll System

Enter your credentials to login:

Choose your role to login:

Admin

Finance Manager

HR Manager

IT Manager

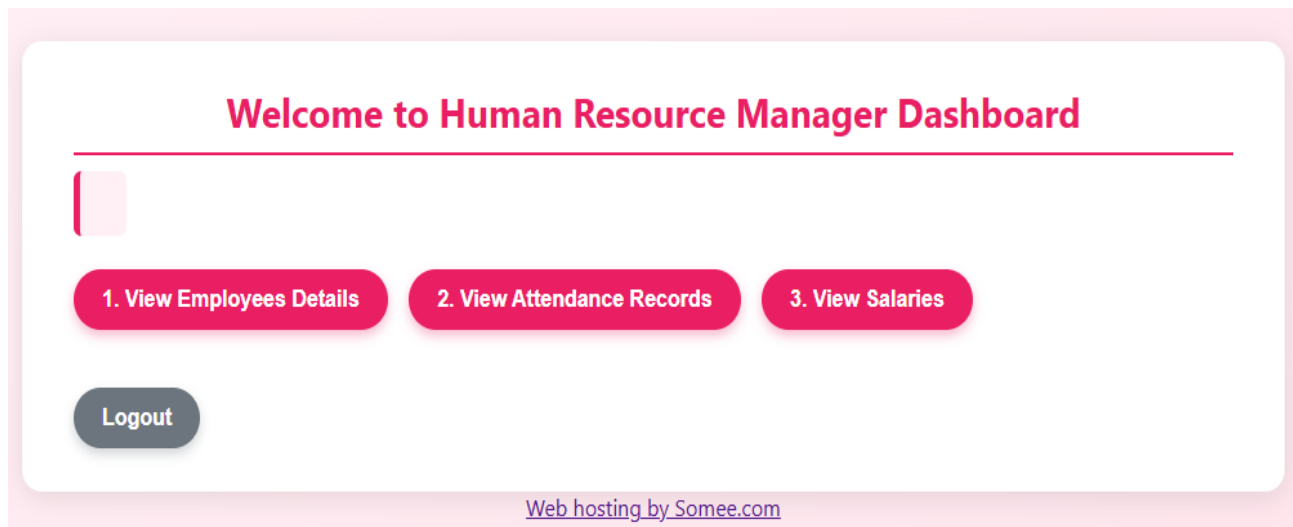
Marketing Manager

Operations Manager

HR_User

....

After Credentials He would be redirected to His Dashboard



Now After Login Page we have Different Departments in our System But Before Departments See we have Admin Dashboard

Admin Dashboard: Code:

.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="AdminDashboard.aspx.vb"
Inherits="AdminDashboard" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Admin's Dashboard</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" />
    <style>
        .step-box {
            border-left: 5px solid #007bff;
            background-color: #f8f9fa;
            padding: 20px;
            margin-bottom: 30px;
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="row">
            <div class="col-md-12">
                <div class="card">
                    <div class="card-header">
                        <h3>Welcome to Human Resource Manager Dashboard</h3>
                    </div>
                    <div class="card-body">
                        <div class="row">
                            <div class="col-md-33">
                                <div class="btn btn-primary">1. View Employees Details</div>
                            </div>
                            <div class="col-md-33">
                                <div class="btn btn-primary">2. View Attendance Records</div>
                            </div>
                            <div class="col-md-33">
                                <div class="btn btn-primary">3. View Salaries</div>
                            </div>
                        </div>
                        <div class="col-md-12">
                            <div class="btn btn-secondary">Logout</div>
                        </div>
                    </div>
                </div>
                <div class="text-center">
                    <a href="http://www.somee.com">Web hosting by Somee.com</a>
                </div>
            </div>
        </div>
    </div>
</body>
</html>
```

```

        border-radius: 10px;
        transition: all 0.3s ease-in-out;
    }
    .step-box:hover {
        background-color: #e2e6ea;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container mt-5">
            <h2 class="text-center text-primary mb-4">👋 Welcome to the Admin's
Dashboard</h2>

            <!-- Step 1 -->
            <div class="step-box">
                <h4 class="text-success">Step 1: Welcome!</h4>
                <p>Hello Admin, you're logged in successfully. You have full control over all
departments.</p>
            </div>

            <!-- Step 2 -->
            <div class="step-box">
                <h4 class="text-primary">Step 2: Select a Department</h4>
                <div class="row">
                    <asp:Repeater ID="RepeaterDepartments" runat="server"
OnItemCommand="RepeaterDepartments_ItemCommand">
                        <ItemTemplate>
                            <div class="col-md-4 mb-4">
                                <div class="card shadow-sm border-primary">
                                    <div class="card-body">
                                        <h5 class="card-title text-primary"><%#
Eval("Department_Name") %> Department</h5>
                                        <p class="card-text">Manage <%#
Eval("Department_Name") %> team and view reports.</p>
                                        <asp:Button ID="btnProceed" runat="server"
Text="Proceed"

                                        CommandName="SelectDepartment"
                                        CommandArgument='<%# Eval("Department_Name") %>'
                                        CssClass="btn btn-outline-primary" />
                                    </div>
                                </div>
                            </div>
                        </ItemTemplate>
                    </asp:Repeater>
                </div>
            </div>
        </div>
    </form>

```

```

</div>

<!-- Step 3: Shown only when a department is selected -->
<asp:Panel ID="pnlActions" runat="server" Visible="False" CssClass="step-box">
    <h4 class="text-warning">Step 3: What do you want to review in
        <span class="text-primary"><asp:Label ID="lblSelectedDept" runat="server"
/></span>?
    </h4>
    <div class="d-grid gap-2 d-md-flex justify-content-md-start">
        <asp:Button ID="btnEmployees" runat="server" Text="👤 Employee Details"
CssClass="btn btn-info me-2" />
        <asp:Button ID="btnSalaries" runat="server" Text="💰 Salary List"
CssClass="btn btn-success me-2" />
        <asp:Button ID="btnAttendance" runat="server" Text="📅 Attendance Status"
CssClass="btn btn-danger" />
    </div>
</asp:Panel>
</div>
</form>
</body>
</html>

```

.vb

```

Imports System.Data
Imports System.Data.SqlClient

Partial Class AdminDashboard
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LoadDepartments()
            pnlActions.Visible = False ' Hide step 3 initially
        Else
            ' On postback, if session has selected dept, show panel
            If Session("SelectedDepartment") IsNot Nothing Then
                lblSelectedDept.Text = Session("SelectedDepartment").ToString()
                pnlActions.Visible = True
            Else
                pnlActions.Visible = False
            End If
        End If
    End Sub
End Sub

```

```

Private Sub LoadDepartments()
    Dim conStr As String = "workstation
id=Employee_Payeroll_System.mssql.somee.com;packet size=4096;user
id=Insha_SQLLogin_2;pwd=mge27trc1t;data
source=Employee_Payeroll_System.mssql.somee.com;persist security info=False;initial
catalog=Employee_Payeroll_System;TrustServerCertificate=True"
    Using con As New SqlConnection(conStr)
        Dim query As String = "SELECT Department_Name FROM Departments"
        Dim cmd As New SqlCommand(query, con)
        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)
        RepeaterDepartments.DataSource = dt
        RepeaterDepartments.DataBind()
    End Using
End Sub

Protected Sub RepeaterDepartments_ItemCommand(source As Object, e As
RepeaterCommandEventArgs) Handles RepeaterDepartments.ItemCommand
    If e.CommandName = "SelectDepartment" Then
        Dim selectedDept As String = e.CommandArgument.ToString()
        Session("SelectedDepartment") = selectedDept

        ' Show the panel on the next load (postback)
        lblSelectedDept.Text = selectedDept
        pnlActions.Visible = True
    End If
End Sub

Protected Sub btnEmployees_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnEmployees.Click
    ' Use Session("SelectedDepartment") if needed here
    Response.Redirect("EmployeeDetails.aspx")
End Sub

Protected Sub btnSalaries_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnSalaries.Click
    Response.Redirect("Salaries.aspx")
End Sub

Protected Sub btnAttendance_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnAttendance.Click
    Response.Redirect("Attendance.aspx")
End Sub
End Class

```

Output

Welcome to the Admin's Dashboard

Step 1: Welcome!

Hello Admin, you're logged in successfully. You have full control over all departments.

Step 2: Select a Department

Human Resources Department

Manage Human Resources team and view reports.

Proceed

Finance Department

Manage Finance team and view reports.

Proceed

Information Technology Department

Manage Information Technology team and view reports.

Proceed

Marketing Department

Operations Department

Let You click on proceed scroll down and see,

Marketing Department

Manage Marketing team and view reports.

Proceed

Operations Department

Manage Operations team and view reports.

Proceed

Step 3: What do you want to review in Operations?

 Employee Details

 Salary List

 Attendance Status

Now click any one option , let say Salary,

Salary Details - Operations

ID	Name	Salary
5	Hira	55000.00
10	Eman	60000.00
15	Zafar	65000.00

← Back to Dashboard

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1.

Finance Department:

Code:

.aspx

www.Insha.somee.com

Assignemt

IAD_6th

IAD_L1

IAD_LAB3

L4

L5

Lab13

LAB9

Quiz_LAB11

Second_IAD

tt

Protected.Insha.somee.com

Name Size Date modified

AdminDashboard.aspx 3476 5/22/2025, 9:03:35 PM

AdminDashboard.aspx.vb 2556 5/22/2025, 9:19:54 PM

Attendance.aspx 1512 5/22/2025, 9:03:35 PM
 Attendance.aspx.vb 4447 5/22/2025, 9:21:21 PM
 default.asp 1333 5/22/2025, 9:03:35 PM
 EmployeeDetails.aspx 1573 5/22/2025, 9:03:36 PM
 EmployeeDetails.aspx.vb 2024 5/22/2025, 9:23:30 PM
 EmployeeRecords.aspx 3 5/22/2025, 9:03:36 PM
 EmployeeRecords.aspx.vb 3 5/22/2025, 9:03:36 PM
 FinanceManagerDashboard.aspx 13676 5/22/2025, 9:03:36 PM
 FinanceManagerDashboard.aspx.vb 2660 5/22/2025, 9:24:40 PM
 HRManagerDashboard.aspx 4865 5/22/2025, 9:03:36 PM
 HRManagerDashboard.aspx.vb 2591 5/22/2025, 9:25:25 PM
 ITManagerDashboard.aspx 3282 5/22/2025, 9:03:36 PM
 ITManagerDashboard.aspx.vb 4255 5/22/2025, 9:03:36 PM
 Login.aspx 4709 5/22/2025, 9:03:36 PM
 Login.aspx.vb 2260 5/22/2025, 9:27:00 PM
 MarketingManagerDashboard.aspx 3708 5/22/2025, 9:03:36 PM
 MarketingManagerDashboard.aspx.vb 4158 5/22/2025, 9:03:36 PM
 OperationsManagerDashboard.aspx 3040 5/22/2025, 9:03:36 PM
 OperationsManagerDashboard.aspx.vb 4164 5/22/2025, 9:03:36 PM
 Salaries.aspx 1397 5/22/2025, 9:03:36 PM
 Salaries.aspx.vb 2087 5/22/2025, 9:28:43 PM
 Web.config 1261 5/22/2025, 9:13:41 PM
 Showing 1 to 24 of 24 entries1 row selected

Edit file

Name:

FinanceManagerDashboard.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="FinanceManagerDashboard.aspx.vb"
Inherits="FinanceManagerDashboard" %>
```

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Finance Manager Dashboard</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" />
  <style>
    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      background-color: #f2f6f9;
      color: #344050;
      min-height: 100vh;
    }

    /* Sidebar */
    .sidebar {
```

```

        background: #2c3e50;
        min-height: 100vh;
        color: #ecf0f1;
    }
    .sidebar h4 {
        font-weight: 700;
        padding: 1rem 0;
        border-bottom: 1px solid #34495e;
    }
    .sidebar .nav-link {
        color: #bdc3c7;
        padding: 0.75rem 1.25rem;
        font-weight: 500;
        transition: background-color 0.3s ease;
    }
    .sidebar .nav-link:hover,
    .sidebar .nav-link.active {
        background-color: #1abc9c;
        color: #fff;
        font-weight: 700;
        border-left: 5px solid #16a085;
    }
    .sidebar .nav-link.text-danger:hover {
        background-color: #e74c3c;
        color: #fff;
        border-left: 5px solid #c0392b;
    }
}

/* Main Content */
main {
    background-color: #fff;
    padding: 2rem;
    border-radius: 12px;
    box-shadow: 0 8px 20px rgb(0 0 0 / 0.1);
    margin-top: 20px;
}

main h2 {
    color: #16a085;
    font-weight: 700;
    margin-bottom: 1.5rem;
}

/* Quick Stats Cards */
.dashboard-card {
    border-radius: 12px;

```

```

        box-shadow: 0 4px 10px rgb(22 160 133 / 0.15);
        transition: transform 0.3s ease, box-shadow 0.3s ease;
        border-left: 8px solid #16a085;
        background-color: #e0f2f1;
    }
    .dashboard-card:hover {
        transform: translateY(-7px);
        box-shadow: 0 14px 25px rgb(22 160 133 / 0.3);
    }
    .card-icon {
        font-size: 2.8rem;
        color: #16a085;
    }
    .dashboard-card h6 {
        font-weight: 600;
        color: #117a65;
    }
    .dashboard-card h3 {
        font-weight: 700;
        color: #0b665c;
    }
    .dashboard-card .btn-outline-primary {
        border-color: #16a085;
        color: #16a085;
        font-weight: 600;
    }
    .dashboard-card .btn-outline-primary:hover {
        background-color: #16a085;
        color: #fff;
    }

    /* Data Table */
    .data-table {
        border-radius: 12px;
        overflow: hidden;
        box-shadow: 0 4px 15px rgb(0 0 0 / 0.05);
        margin-top: 1rem;
    }
    .table-hover tbody tr:hover {
        background-color: #d1f2eb;
    }
    table {
        border-radius: 12px;
    }

    /* Status Badges */

```

```

.status-badge {
  padding: 6px 14px;
  border-radius: 20px;
  font-size: 0.85rem;
  font-weight: 600;
  display: inline-block;
  min-width: 70px;
  text-align: center;
}
.status-present {
  background-color: #2ecc71;
  color: white;
}
.status-absent {
  background-color: #e74c3c;
  color: white;
}

/* Dropdown button */
.btn-outline-secondary {
  border-color: #16a085;
  color: #16a085;
  font-weight: 600;
}
.btn-outline-secondary:hover {
  background-color: #16a085;
  color: #fff;
}
</style>
</head>
<body>
  <form id="form1" runat="server">
    <div class="container-fluid">
      <div class="row">
        <!-- Sidebar -->
        <div class="col-md-3 col-lg-2 d-none d-md-block sidebar">
          <div class="position-sticky pt-3">
            <div class="text-center mb-4">
              <h4>Finance Portal</h4>
            </div>
            <ul class="nav nav-pills flex-column">
              <li class="nav-item">
                <a class="nav-link active" href="#">
                  <i class="fas fa-tachometer-alt me-2"></i>Dashboard
                </a>
              </li>

```

```

        <li class="nav-item">
            <asp:LinkButton ID="BtnEmployeeDetails" runat="server"
CssClass="nav-link" OnClick="BtnEmployeeDetails_Click">
                <i class="fas fa-users me-2"></i>Employees
            </asp:LinkButton>
        </li>
        <li class="nav-item">
            <asp:LinkButton ID="BtnAttendance" runat="server"
CssClass="nav-link" OnClick="BtnAttendance_Click">
                <i class="fas fa-calendar-alt me-2"></i>Attendance
            </asp:LinkButton>
        </li>
        <li class="nav-item">
            <asp:LinkButton ID="BtnSalaries" runat="server"
CssClass="nav-link" OnClick="BtnSalaries_Click">
                <i class="fas fa-money-bill-wave me-2"></i>Salaries
            </asp:LinkButton>
        </li>
        <li class="nav-item mt-3">
            <asp:LinkButton ID="BtnLogout" runat="server" CssClass="nav-
link text-danger" OnClick="BtnLogout_Click">
                <i class="fas fa-sign-out-alt me-2"></i>Logout
            </asp:LinkButton>
        </li>
    </ul>
</div>
</div>

<!-- Main Content -->
<main class="col-md-9 ms-sm-auto col-lg-10 px-md-4 py-4">
    <div class="d-flex justify-content-between flex-wrap align-items-center
mb-4">

        <h2>Finance Dashboard</h2>
        <div class="d-flex align-items-center">
            <span class="me-3"><asp:Label ID="lblWelcome"
runat="server"></asp:Label></span>
            <div class="dropdown">
                <button class="btn btn-outline-secondary dropdown-toggle"
type="button" data-bs-toggle="dropdown">
                    <i class="fas fa-cog"></i>
                </button>
                <ul class="dropdown-menu">
                    <li><a class="dropdown-item" href="#">Profile</a></li>
                    <li><a class="dropdown-item" href="#">Settings</a></li>
                </ul>
            </div>

```

```

        </div>
    </div>

    <!-- Quick Stats -->
    <div class="row mb-4">
        <div class="col-md-4 mb-3">
            <div class="card dashboard-card p-3">
                <div class="card-body">
                    <div class="d-flex justify-content-between align-items-
center">

                        <div>
                            <h6>Total Employees</h6>
                            <h3>3</h3>
                        </div>
                        <div class="card-icon">
                            <i class="fas fa-users"></i>
                        </div>
                    </div>
                    <asp:LinkButton ID="BtnViewEmployees" runat="server"
CssClass="btn btn-sm btn-outline-primary mt-3" OnClick="BtnEmployeeDetails_Click">
                        View All
                    </asp:LinkButton>
                </div>
            </div>
        </div>
        <div class="col-md-4 mb-3">
            <div class="card dashboard-card p-3">
                <div class="card-body">
                    <div class="d-flex justify-content-between align-items-
center">

                        <div>
                            <h6>Present Today</h6>
                            <h3>2</h3>
                        </div>
                        <div class="card-icon">
                            <i class="fas fa-user-check"></i>
                        </div>
                    </div>
                    <asp:LinkButton ID="BtnViewAttendance" runat="server"
CssClass="btn btn-sm btn-outline-primary mt-3" OnClick="BtnAttendance_Click">
                        View Attendance
                    </asp:LinkButton>
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-4 mb-3">

```

```

<div class="card dashboard-card p-3">
    <div class="card-body">
        <div class="d-flex justify-content-between align-items-
center">

            <div>
                <h6>Avg. Salary</h6>
                <h3>$57,000</h3>
            </div>
            <div class="card-icon">
                <i class="fas fa-dollar-sign"></i>
            </div>
        </div>
        <asp:LinkButton ID="BtnViewSalaries" runat="server"
CssClass="btn btn-sm btn-outline-primary mt-3" OnClick="BtnSalaries_Click">
            View Salaries
        </asp:LinkButton>
    </div>
</div>

<!-- Data Section -->
<div class="card">
    <div class="card-body">
        <div class="d-flex justify-content-between align-items-center mb-
3">

            <h5 class="card-title"><asp:Label ID="lblSectionTitle"
runat="server" Text="Employee Overview"></asp:Label></h5>
            <div>
                <button class="btn btn-sm btn-outline-secondary me-2">
                    <i class="fas fa-download me-1"></i>Export
                </button>
                <button class="btn btn-sm btn-outline-secondary">
                    <i class="fas fa-filter me-1"></i>Filter
                </button>
            </div>
        </div>

        <div class="table-responsive data-table">
            <asp:GridView ID="GridViewData" runat="server"
AutoGenerateColumns="True"

                CssClass="table table-hover" GridLines="None"
                EmptyDataText="No data available. Please select a section
from the menu.">

            </asp:GridView>
        </div>
    </div>
</div>

```

```

        </div>
    </div>
</main>
</div>
</div>
</form>

<!-- Font Awesome for icons -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/js/all.min.js"></script>
<!-- Bootstrap JS -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

<script>
    // Highlight active nav item
    document.querySelectorAll('.nav-link').forEach(link => {
        link.addEventListener('click', function () {
            document.querySelectorAll('.nav-link').forEach(item => {
                item.classList.remove('active');
            });
            this.classList.add('active');
        });
    });

    // Format status badges in GridView (client side)
    document.querySelectorAll('td').forEach(cell => {
        if (cell.textContent.trim() === 'Present') {
            cell.innerHTML = '<span class="status-badge status-present">Present</span>';
        } else if (cell.textContent.trim() === 'Absent') {
            cell.innerHTML = '<span class="status-badge status-absent">Absent</span>';
        }
    });
</script>
</body>
</html>

```

Update Cancel

.vb

```
Imports System.Data
Imports System.Data.SqlClient
```

```
Partial Class FinanceManagerDashboard
```

Inherits System.Web.UI.Page

Private ReadOnly connectionString As String =

"Data Source=workstation id=Employee_Payeroll_System.mssql.somee.com;packet size=4096;user id=Insha_SQLLogin_2;pwd=mge27trc1t;data source=Employee_Payeroll_System.mssql.somee.com;persist security info=False;initial catalog=Employee_Payeroll_System;TrustServerCertificate=True"

Protected Sub BtnEmployeeDetails_Click(sender As Object, e As EventArgs)

Dim sql As String =

"SELECT e.Employee_ID, e.Name, e.Email, e.Phone, e.Date_Of_Joining " &
"FROM Employee_New e " &
"JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID " &
"JOIN Departments d ON ed.Department_ID = d.Department_ID " &
"WHERE d.Department_Name = 'Finance'"

BindGrid(sql)

End Sub

Protected Sub BtnAttendance_Click(sender As Object, e As EventArgs)

Dim sql As String =

"SELECT a.Attendance_ID, e.Employee_ID, e.Name, a.Attendance_Date, a.Status " &
"FROM Attendance a " &
"JOIN Employee_New e ON a.Employee_ID = e.Employee_ID " &
"JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID " &
"JOIN Departments d ON ed.Department_ID = d.Department_ID " &
"WHERE d.Department_Name = 'Finance'"

BindGrid(sql)

End Sub

Protected Sub BtnSalaries_Click(sender As Object, e As EventArgs)

Dim sql As String =

"SELECT s.Salary_ID, e.Employee_ID, e.Name, s.Salary, s.Effective_From " &
"FROM Salaries s " &
"JOIN Employee_New e ON s.Employee_ID = e.Employee_ID " &
"JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID " &
"JOIN Departments d ON ed.Department_ID = d.Department_ID " &
"WHERE d.Department_Name = 'Finance'"

BindGrid(sql)

End Sub

Private Sub BindGrid(query As String)

Using con As New SqlConnection(connectionString)

Using cmd As New SqlCommand(query, con)

Dim da As New SqlDataAdapter(cmd)

Dim dt As New DataTable()

da.Fill(dt)

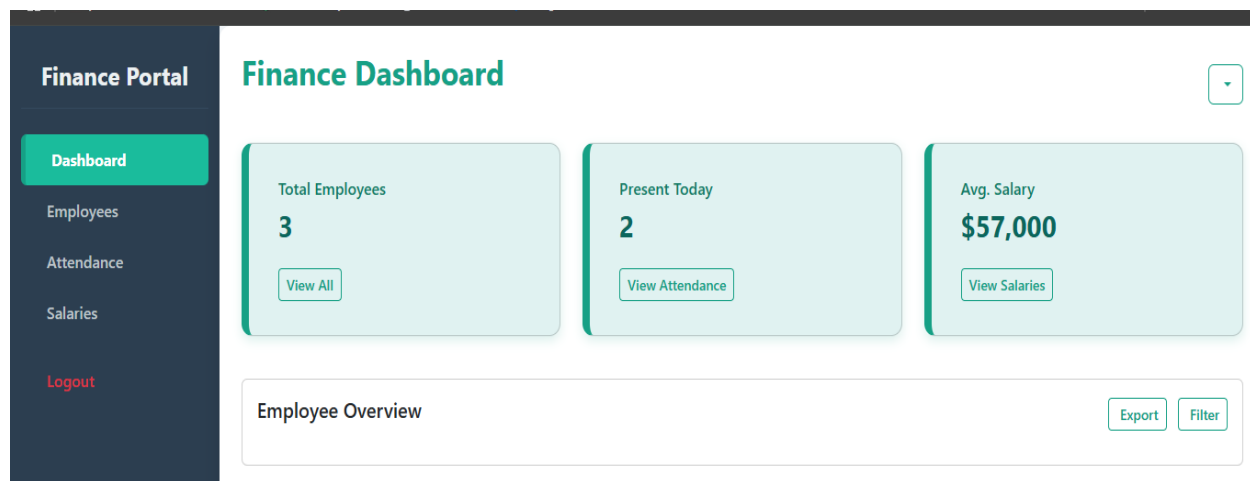
```

        GridViewData.DataSource = dt
        GridViewData.DataBind()
    End Using
End Using
End Sub

Protected Sub BtnLogout_Click(sender As Object, e As EventArgs)
    ' Log out the user and redirect to login page
    Session.Abandon()
    Response.Redirect("Login.aspx")
End Sub
End Class

```

Output



Click Total Employees,

Total Employees

3



View All

Present Today

2



View Attendance

Avg. Salary

\$57,000

\$

View Salaries

Employee Overview

[Export](#)
[Filter](#)

Employee_ID	Name	Email	Phone	Date_Of_Joining
2	Alina	alina@company.com	0300000002	1/2/2020 12:00:00 AM
7	Nadeem	nadeem@company.com	0300000007	1/7/2020 12:00:00 AM
12	Fatima	fatima@company.com	0300000012	1/12/2020 12:00:00 AM

2. Human Resource Department:

Code:

.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="HRManagerDashboard.aspx.vb"
Inherits="HRManagerDashboard" %>
```

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>HR Manager Dashboard</title>
    <style>
        body {
            font-family: 'Segoe UI', Arial, sans-serif;
            background: linear-gradient(135deg, #fff0f5, #ffe4ec);
            margin: 0;
            padding: 40px 20px;
            color: #333;
        }

        .dashboard {
```

```

    max-width: 900px;
    margin: auto;
    padding: 30px 40px;
    animation: fadeIn 1s ease-in-out;
}

h2 {
    text-align: center;
    color: #e91e63;
    margin-top: 0;
    font-size: 28px;
    border-bottom: 2px solid #e91e63;
    padding-bottom: 10px;
    font-weight: 700;
}

.section {
    margin-top: 25px;
}

/* Pink interactive buttons */
.btn-action {
    background: #e91e63;
    color: white;
    border: none;
    padding: 12px 22px;
    margin: 10px 12px 0 0;
    border-radius: 25px;
    cursor: pointer;
    font-size: 16px;
    font-weight: 600;
    transition: background 0.3s ease, transform 0.2s ease, box-shadow 0.3s ease;
    box-shadow: 0 4px 8px rgba(233,30,99,0.3);
    display: inline-block;
}

.btn-action:hover {
    background: #c2185b;
    transform: scale(1.07);
    box-shadow: 0 6px 15px rgba(194,24,91,0.5);
}

.btn-action:focus {
    outline: none;
    box-shadow: 0 0 8px 3px rgba(233,30,99,0.6);
}

```

```

/* Logout button variant */
.btn-logout {
    background: #6c757d;
    box-shadow: 0 4px 8px rgba(108,117,125,0.3);
}

.btn-logout:hover {
    background: #5a6268;
    box-shadow: 0 6px 15px rgba(90,98,104,0.5);
}

/* GridView styling */
.grid-view {
    width: 100%;
    margin-top: 30px;
    border-collapse: collapse;
    box-shadow: 0 0 10px rgba(0,0,0,0.05);
    font-size: 15px;
    border-radius: 8px;
    overflow: hidden;
}

.grid-view th {
    background: #e91e63;
    color: white;
    padding: 14px 15px;
    text-align: left;
    font-weight: 700;
}

.grid-view td {
    padding: 12px 15px;
    border-bottom: 1px solid #f8bbd0;
}

.grid-view tr:nth-child(even) {
    background-color: #fce4ec;
}

.grid-view tr:hover {
    background-color: #f8bbd0;
    color: #880e4f;
    cursor: pointer;
    transition: background-color 0.3s ease;
}

```

```

/* Status label placeholder */
.status {
    background: #fff0f5;
    border-left: 5px solid #e91e63;
    color: #444;
    padding: 12px 18px;
    margin: 20px 0;
    border-radius: 6px;
    font-weight: 700;
    font-size: 16px;
}

@keyframes fadeIn {
    from { opacity: 0; transform: translateY(25px); }
    to { opacity: 1; transform: translateY(0); }
}
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="dashboard">
            <h2>Welcome to Human Resource Manager Dashboard</h2>

            <!-- Status label for feedback -->
            <asp:Label ID="LblStatus" runat="server" CssClass="status"></asp:Label>

            <div class="section">
                <asp:Button ID="BtnEmployees" runat="server" Text="1. View Employees Details"
                CssClass="btn-action" OnClick="BtnEmployees_Click" />
                <asp:Button ID="BtnAttendance" runat="server" Text="2. View Attendance
                Records" CssClass="btn-action" OnClick="BtnAttendance_Click" />
                <asp:Button ID="BtnSalaries" runat="server" Text="3. View Salaries"
                CssClass="btn-action" OnClick="BtnSalaries_Click" />
            </div>

            <asp:GridView ID="GridViewData" runat="server" AutoGenerateColumns="True"
            CssClass="grid-view" EmptyDataText="No records found"></asp:GridView>

            <div style="margin-top: 30px;">
                <asp:Button ID="BtnLogout" runat="server" Text="Logout" CssClass="btn-action
                btn-logout" OnClick="BtnLogout_Click" />
            </div>
        </div>
    </form>
</body>

```

</html>

.vb

```
Imports System.Data
Imports System.Data.SqlClient
```

```
Partial Class HRManagerDashboard
    Inherits System.Web.UI.Page
```

```
    Private ReadOnly connectionString As String =
```

```
        "Data Source=workstation id=Employee_Payeroll_System.mssql.somee.com;packet
size=4096;user id=Insha_SQLLogin_2;pwd=mge27trc1t;data
source=Employee_Payeroll_System.mssql.somee.com;persist security info=False;initial
catalog=Employee_Payeroll_System;TrustServerCertificate=True"
```

```
    Protected Sub BtnEmployees_Click(sender As Object, e As EventArgs)
```

```
        Dim sql As String =
```

```
            "SELECT e.Employee_ID, e.Name, e.Email, e.Phone, e.Date_Of_Joining " &
            "FROM Employee_New e " &
            "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID " &
            "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
            "WHERE d.Department_Name = 'Human Resources'"
```

```
        BindGrid(sql)
```

```
    End Sub
```

```
    Protected Sub BtnAttendance_Click(sender As Object, e As EventArgs)
```

```
        Dim sql As String =
```

```
            "SELECT a.Attendance_ID, e.Employee_ID, e.Name, a.Attendance_Date, a.Status " &
            "FROM Attendance a " &
            "JOIN Employee_New e ON a.Employee_ID = e.Employee_ID " &
            "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID " &
            "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
            "WHERE d.Department_Name = 'Human Resources'"
```

```
        BindGrid(sql)
```

```
    End Sub
```

```
    Protected Sub BtnSalaries_Click(sender As Object, e As EventArgs)
```

```
        Dim sql As String =
```

```
            "SELECT s.Salary_ID, e.Employee_ID, e.Name, s.Salary, s.Effective_From " &
            "FROM Salaries s " &
            "JOIN Employee_New e ON s.Employee_ID = e.Employee_ID " &
            "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID " &
            "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
```

```

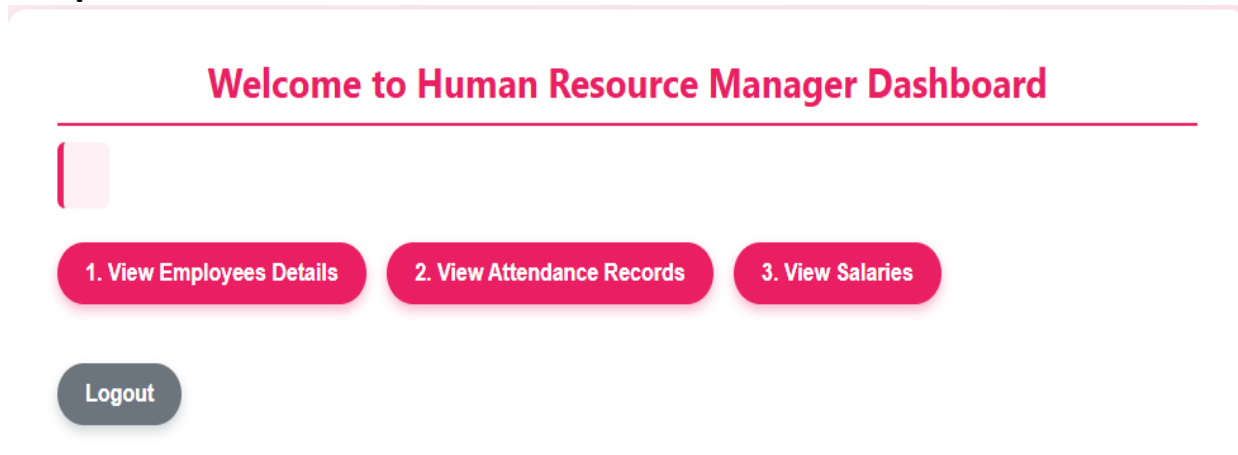
        "WHERE d.Department_Name = 'Human Resources'"
    BindGrid(sql)
End Sub

Private Sub BindGrid(query As String)
    Using con As New SqlConnection(connectionString)
        Using cmd As New SqlCommand(query, con)
            Dim da As New SqlDataAdapter(cmd)
            Dim dt As New DataTable()
            da.Fill(dt)
            GridViewData.DataSource = dt
            GridViewData.DataBind()
        End Using
    End Using
End Sub

Protected Sub BtnLogout_Click(sender As Object, e As EventArgs)
    Response.Redirect("Login.aspx")
End Sub
End Class

```

Output



Let Click Attendance

Welcome to Human Resource Manager Dashboard

1. View Employees Details

2. View Attendance Records

3. View Salaries

Attendance_ID	Employee_ID	Name	Attendance_Date	Status
1	1	Ali	1/1/2020 12:00:00 AM	Present
6	6	Iqra	1/6/2020 12:00:00 AM	Present
11	11	Qasir	1/11/2020 12:00:00 AM	Present

Logout

3. IT Department:

Code:

.aspx

www.Insha.somee.com

Assignemt

IAD_6th

IAD_L1

IAD_LAB3

L4

L5

Lab13

LAB9

Quiz_LAB11

Second_IAD

tt

Protected.Insha.somee.com

Name Size Date modified

AdminDashboard.aspx 3476 5/22/2025, 9:03:35 PM

AdminDashboard.aspx.vb 2556 5/22/2025, 9:19:54 PM

Attendance.aspx 1512 5/22/2025, 9:03:35 PM

Attendance.aspx.vb 4447 5/22/2025, 9:21:21 PM

```

default.asp 1333 5/22/2025, 9:03:35 PM
EmployeeDetails.aspx 1573 5/22/2025, 9:03:36 PM
EmployeeDetails.aspx.vb 2024 5/22/2025, 9:23:30 PM
EmployeeRecords.aspx 3 5/22/2025, 9:03:36 PM
EmployeeRecords.aspx.vb 3 5/22/2025, 9:03:36 PM
FinanceManagerDashboard.aspx 13676 5/22/2025, 9:03:36 PM
FinanceManagerDashboard.aspx.vb 2660 5/22/2025, 9:24:40 PM
HRManagerDashboard.aspx 4865 5/22/2025, 9:03:36 PM
HRManagerDashboard.aspx.vb 2591 5/22/2025, 9:25:25 PM
ITManagerDashboard.aspx 3282 5/22/2025, 9:03:36 PM
ITManagerDashboard.aspx.vb 4255 5/22/2025, 9:03:36 PM
Login.aspx 4709 5/22/2025, 9:03:36 PM
Login.aspx.vb 2260 5/22/2025, 9:27:00 PM
MarketingManagerDashboard.aspx 3708 5/22/2025, 9:03:36 PM
MarketingManagerDashboard.aspx.vb 4158 5/22/2025, 9:03:36 PM
OperationsManagerDashboard.aspx 3040 5/22/2025, 9:03:36 PM
OperationsManagerDashboard.aspx.vb 4164 5/22/2025, 9:03:36 PM
Salaries.aspx 1397 5/22/2025, 9:03:36 PM
Salaries.aspx.vb 2087 5/22/2025, 9:28:43 PM
Web.config 1261 5/22/2025, 9:13:41 PM
Showing 1 to 24 of 24 entries1 row selected

```

Edit file

Name:

ITManagerDashboard.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeFile="ITManagerDashboard.aspx.vb"
Inherits="ITManagerDashboard" %>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>IT Manager Dashboard</title>
  <style>
    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      background-color: #ffe6f0;
      margin: 0;
      padding: 0;
    }

    .dashboard {
      max-width: 900px;
      margin: 40px auto;
      padding: 30px;
      background-color: #fff0f5;
      box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
    }

```

```

        border-radius: 20px;
        text-align: center;
    }

.dashboard h2 {
    color: #d63384;
    margin-bottom: 20px;
}

.status {
    display: block;
    margin-bottom: 20px;
    color: #a61e4d;
    font-size: 18px;
    font-weight: 600;
}

.btn-action {
    background-color: #ff66b2;
    border: none;
    color: white;
    padding: 12px 24px;
    margin: 10px 15px;
    border-radius: 10px;
    cursor: pointer;
    font-size: 16px;
    transition: background 0.3s ease, transform 0.2s ease;
}

.btn-action:hover {
    background-color: #ff3385;
    transform: scale(1.05);
}

.btn-logout {
    background-color: #ff4d6d;
}

.btn-logout:hover {
    background-color: #e6004c;
}

.grid-view {
    margin: 30px auto;
    width: 100%;
    border-collapse: collapse;

```

```

    }

    .grid-view th, .grid-view td {
        border: 1px solid #f5c2d0;
        padding: 10px;
        text-align: center;
    }

    .grid-view th {
        background-color: #ffc2d1;
        color: #800040;
    }

    .grid-view tr:nth-child(even) {
        background-color: #ffe6f0;
    }

    .grid-view tr:hover {
        background-color: #ffd6e3;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="dashboard">
            <h2>IT Manager Dashboard</h2>

            <asp:Label ID="LblStatus" runat="server" CssClass="status"></asp:Label>

            <div>
                <asp:Button ID="BtnEmployees" runat="server" Text="View IT Employees"
                CssClass="btn-action" />
                <asp:Button ID="BtnAttendance" runat="server" Text="View Attendance"
                CssClass="btn-action" />
                <asp:Button ID="BtnSalaries" runat="server" Text="View Salaries"
                CssClass="btn-action" />
            </div>

            <asp:GridView ID="GridViewData" runat="server" AutoGenerateColumns="True"
            CssClass="grid-view" EmptyDataText="No records found">
                </asp:GridView>

            <div style="margin-top: 30px;">
                <asp:Button ID="BtnLogout" runat="server" Text="Logout" CssClass="btn-action
                btn-logout" />
            </div>
        </div>
    </form>

```

```

        </div>
    </form>
</body>
</html>

```

Update Cancel

.vb

```

Imports System.Data
Imports System.Data.SqlClient
Imports System.Configuration

```

```

Partial Class ITManagerDashboard
    Inherits System.Web.UI.Page

```

```

    Private ReadOnly connectionString As String =
        ConfigurationManager.ConnectionStrings("EmployeeDBConnection").ConnectionString

```

```

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LblStatus.Text = "Ready to connect to IT Department data"
            LblStatus.ForeColor = Drawing.Color.Blue
        End If
    End Sub

```

```

    Protected Sub BtnEmployees_Click(sender As Object, e As EventArgs) Handles
        BtnEmployees.Click
        Try
            Dim sql As String = "SELECT e.Employee_ID, e.Name, e.Email, e.Phone,
e.Date_Of_Joining " &
                                "FROM Employee_New e " &
                                "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
                                "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
                                "WHERE d.Department_Name = 'Information Technology'"
            BindGrid(sql, "IT Employees")
        Catch ex As Exception
            ShowError(ex)
        End Try
    End Sub

```

```

    Protected Sub BtnAttendance_Click(sender As Object, e As EventArgs) Handles
        BtnAttendance.Click
        Try

```

```

        Dim sql As String = "SELECT a.Attendance_ID, e.Employee_ID, e.Name,
a.Attendance_Date, a.Status " &
        "FROM Attendance a " &
        "JOIN Employee_New e ON a.Employee_ID = e.Employee_ID " &
        "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
        "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
        "WHERE d.Department_Name = 'Information Technology'"
        BindGrid(sql, "Attendance Records")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Protected Sub BtnSalaries_Click(sender As Object, e As EventArgs) Handles
BtnSalaries.Click
    Try
        Dim sql As String = "SELECT s.Salary_ID, e.Employee_ID, e.Name, s.Salary,
s.Effective_From " &
        "FROM Salaries s " &
        "JOIN Employee_New e ON s.Employee_ID = e.Employee_ID " &
        "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
        "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
        "WHERE d.Department_Name = 'Information Technology'"
        BindGrid(sql, "Salary Data")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Private Sub BindGrid(query As String, title As String)
    Using con As New SqlConnection(connectionString)
        Try
            con.Open()
            Using cmd As New SqlCommand(query, con)
                Dim da As New SqlDataAdapter(cmd)
                Dim dt As New DataTable()
                da.Fill(dt)

                GridViewData.DataSource = dt
                GridViewData.DataBind()
                ' Fixed: Replaced string interpolation with String.Format
                LblStatus.Text = String.Format("{0} loaded successfully. Records found:
{1}", title, dt.Rows.Count)
                LblStatus.ForeColor = Drawing.Color.Green
            End Using
        Catch ex As Exception
            ShowError(ex)
        End Try
    End Using
End Sub

```

```

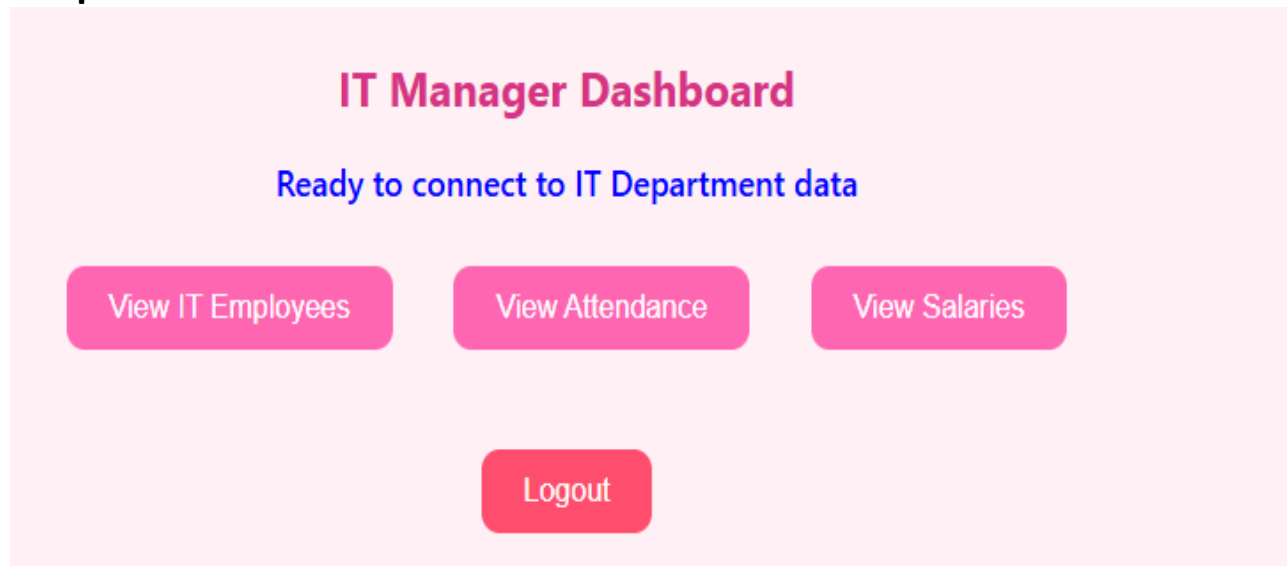
        End Using
    Catch ex As Exception
        Throw New Exception(String.Format("Failed to load {0}. {1}", title,
ex.Message))
    Finally
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
    End Try
End Using
End Sub

Private Sub ShowError(ex As Exception)
    LblStatus.Text = "Error: " & ex.Message
    LblStatus.ForeColor = Drawing.Color.Red
    GridViewData.DataSource = Nothing
    GridViewData.DataBind()
End Sub

Protected Sub BtnLogout_Click(sender As Object, e As EventArgs) Handles BtnLogout.Click
    Response.Redirect("Login.aspx")
End Sub
End Class

```

Output



Lets Click Salries

IT Manager Dashboard

Salary Data loaded successfully. Records found: 3

View IT Employees

View Attendance

View Salaries

Salary_ID	Employee_ID	Name	Salary	Effective_From
3	3	Hina	53000.00	1/1/2020 12:00:00 AM
8	8	Zain	58000.00	1/1/2020 12:00:00 AM
13	13	Asim	63000.00	1/1/2020 12:00:00 AM

Logout

4. Operations Department:

Code:

.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="MarketingManagerDashboard.aspx.vb" Inherits="MarketingManagerDashboard" %>
```

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Marketing Manager Dashboard</title>
    <style>
        body {
            font-family: 'Segoe UI', Arial;
            background: linear-gradient(135deg, #fff0f5, #ffe4ec);
            margin: 0;
            padding: 40px 20px;
        }

        .dashboard {
            background: white;
```

```

    border-radius: 15px;
    box-shadow: 0 4px 20px rgba(0,0,0,0.1);
    max-width: 1000px;
    margin: auto;
    padding: 30px;
    animation: fadeIn 1s ease-in-out;
}

h2 {
    text-align: center;
    color: #e83e8c;
    margin-top: 0;
    font-size: 28px;
    border-bottom: 2px solid #e83e8c;
    padding-bottom: 10px;
}

.btn-action {
    background: #e83e8c;
    color: white;
    border: none;
    padding: 12px 20px;
    margin: 10px 8px 0 0;
    border-radius: 25px;
    cursor: pointer;
    font-size: 15px;
    transition: background 0.3s ease, transform 0.2s ease;
}

.btn-action:hover {
    background: #d63384;
    transform: scale(1.05);
}

.btn-logout {
    background: #6c757d;
}

.btn-logout:hover {
    background: #5a6268;
}

.status {
    background: #fff0f5;
    border-left: 5px solid #e83e8c;
    color: #444;

```

```

        padding: 10px 15px;
        margin: 20px 0;
        border-radius: 6px;
        font-weight: bold;
    }

    .grid-view {
        width: 100%;
        margin-top: 25px;
        border-collapse: collapse;
        box-shadow: 0 0 10px rgba(0,0,0,0.05);
    }

    .grid-view th {
        background: #e83e8c;
        color: white;
        padding: 12px;
        text-align: left;
    }

    .grid-view td {
        padding: 10px 12px;
        border-bottom: 1px solid #eee;
    }

    .grid-view tr:nth-child(even) {
        background-color: #fdf1f7;
    }

    @keyframes fadeIn {
        from { opacity: 0; transform: translateY(20px); }
        to { opacity: 1; transform: translateY(0); }
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="dashboard">
            <h2>Marketing Manager Dashboard</h2>

            <asp:Label ID="LblStatus" runat="server" CssClass="status"></asp:Label>

            <div>
                <asp:Button ID="BtnEmployees" runat="server" Text="View Marketing Employees"
                    CssClass="btn-action" />
                <asp:Button ID="BtnAttendance" runat="server" Text="View Attendance"

```

```

        CssClass="btn-action" />
        <asp:Button ID="BtnSalaries" runat="server" Text="View Salaries"
        CssClass="btn-action" />
    </div>

    <asp:GridView ID="GridViewData" runat="server" AutoGenerateColumns="True"
        CssClass="grid-view" EmptyDataText="No records found">
    </asp:GridView>

    <div style="margin-top: 30px;">
        <asp:Button ID="BtnLogout" runat="server" Text="Logout"
        CssClass="btn-action btn-logout" />
    </div>
</div>
</form>
</body>
</html>

```

.vb

```

Imports System.Data
Imports System.Data.SqlClient
Imports System.Configuration

Partial Class MarketingManagerDashboard
    Inherits System.Web.UI.Page

    Private ReadOnly connectionString As String =
        ConfigurationManager.ConnectionStrings("EmployeeDBConnection").ConnectionString

    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LblStatus.Text = "Ready to connect to Marketing Department data"
            LblStatus.ForeColor = Drawing.Color.Blue
        End If
    End Sub

    Protected Sub BtnEmployees_Click(sender As Object, e As EventArgs) Handles
        BtnEmployees.Click
        Try
            Dim sql As String = "SELECT e.Employee_ID, e.Name, e.Email, e.Phone,
e.Date_Of_Joining " &
                                "FROM Employee_New e " &
                                "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &

```

```

        "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
        "WHERE d.Department_Name = 'Marketing'"
        BindGrid(sql, "Marketing Employees")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Protected Sub BtnAttendance_Click(sender As Object, e As EventArgs) Handles
BtnAttendance.Click
    Try
        Dim sql As String = "SELECT a.Attendance_ID, e.Employee_ID, e.Name,
a.Attendance_Date, a.Status " &
        "FROM Attendance a " &
        "JOIN Employee_New e ON a.Employee_ID = e.Employee_ID " &
        "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
        "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
        "WHERE d.Department_Name = 'Marketing'"
        BindGrid(sql, "Attendance Records")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Protected Sub BtnSalaries_Click(sender As Object, e As EventArgs) Handles
BtnSalaries.Click
    Try
        Dim sql As String = "SELECT s.Salary_ID, e.Employee_ID, e.Name, s.Salary,
s.Effective_From " &
        "FROM Salaries s " &
        "JOIN Employee_New e ON s.Employee_ID = e.Employee_ID " &
        "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
        "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
        "WHERE d.Department_Name = 'Marketing'"
        BindGrid(sql, "Salary Data")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Private Sub BindGrid(query As String, title As String)
    Using con As New SqlConnection(connectionString)
        Try
            con.Open()

```

```

        Using cmd As New SqlCommand(query, con)
            Dim da As New SqlDataAdapter(cmd)
            Dim dt As New DataTable()
            da.Fill(dt)

            GridViewData.DataSource = dt
            GridViewData.DataBind()
            LblStatus.Text = String.Format("{0} loaded successfully. Records found:
{1}", title, dt.Rows.Count)
            LblStatus.ForeColor = Drawing.Color.Green
        End Using
    Catch ex As Exception
        Throw New Exception(String.Format("Failed to load {0}. {1}", title,
ex.Message))
    Finally
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
    End Try
End Using
End Sub

Private Sub ShowError(ex As Exception)
    LblStatus.Text = "Error: " & ex.Message
    LblStatus.ForeColor = Drawing.Color.Red
    GridViewData.DataSource = Nothing
    GridViewData.DataBind()
End Sub

Protected Sub BtnLogout_Click(sender As Object, e As EventArgs) Handles BtnLogout.Click
    Response.Redirect("Login.aspx")
End Sub
End Class

```

Output

Operations Manager Dashboard

Ready to connect to Operations Department data

View Operations Employees

View Attendance

View Salaries

Logout

[Web hosting by Somee.com](http://www.somee.com)

Click Attendance

Operations Manager Dashboard

Attendance Records loaded successfully. Records found: 3

View Operations Employees

View Attendance

View Salaries

Attendance_ID	Employee_ID	Name	Attendance_Date	Status
5	5	Hira	1/5/2020 12:00:00 AM	Present
10	10	Eman	1/10/2020 12:00:00 AM	Present
15	15	Zafar	1/15/2020 12:00:00 AM	Present

Logout

5. Marketing Department:

Code:

.aspx

www.Insha.somee.com

Assignemt

IAD_6th

IAD_L1

IAD_LAB3

L4

L5

Lab13

LAB9

Quiz_LAB11

Second_IAD

tt

Protected.Insha.somee.com

Name Size Date modified

AdminDashboard.aspx 3476 5/22/2025, 9:03:35 PM

AdminDashboard.aspx.vb 2556 5/22/2025, 9:19:54 PM

Attendance.aspx 1512 5/22/2025, 9:03:35 PM

Attendance.aspx.vb 4447 5/22/2025, 9:21:21 PM

default.asp 1333 5/22/2025, 9:03:35 PM

EmployeeDetails.aspx 1573 5/22/2025, 9:03:36 PM

EmployeeDetails.aspx.vb 2024 5/22/2025, 9:23:30 PM

EmployeeRecords.aspx 3 5/22/2025, 9:03:36 PM

EmployeeRecords.aspx.vb 3 5/22/2025, 9:03:36 PM

FinanceManagerDashboard.aspx 13676 5/22/2025, 9:03:36 PM

FinanceManagerDashboard.aspx.vb 2660 5/22/2025, 9:24:40 PM

HRManagerDashboard.aspx 4865 5/22/2025, 9:03:36 PM

HRManagerDashboard.aspx.vb 2591 5/22/2025, 9:25:25 PM

ITManagerDashboard.aspx 3282 5/22/2025, 9:03:36 PM

ITManagerDashboard.aspx.vb 4255 5/22/2025, 9:03:36 PM

Login.aspx 4709 5/22/2025, 9:03:36 PM

Login.aspx.vb 2260 5/22/2025, 9:27:00 PM

MarketingManagerDashboard.aspx 3708 5/22/2025, 9:03:36 PM

MarketingManagerDashboard.aspx.vb 4158 5/22/2025, 9:03:36 PM

OperationsManagerDashboard.aspx 3040 5/22/2025, 9:03:36 PM

OperationsManagerDashboard.aspx.vb 4164 5/22/2025, 9:03:36 PM

Salaries.aspx 1397 5/22/2025, 9:03:36 PM

Salaries.aspx.vb 2087 5/22/2025, 9:28:43 PM

Web.config 1261 5/22/2025, 9:13:41 PM

Showing 1 to 24 of 24 entries1 row selected

Edit file

Name:

OperationsManagerDashboard.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="OperationsManagerDashboard.aspx.vb"
Inherits="OperationsManagerDashboard" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title>Operations Manager Dashboard</title>
```

```
<style>
```

```
body {
```

```

    font-family: 'Segoe UI', Arial;
    background-color: #f8f9fa;
    margin: 0;
    padding: 20px;
}
.dashboard {
    background: white;
    border-radius: 8px;
    box-shadow: 0 2px 10px rgba(0,0,0,0.1);
    max-width: 1200px;
    margin: 0 auto;
    padding: 25px;
}
h2 {
    color: #20c997;
    margin-top: 0;
}
.btn-action {
    background: #20c997;
    color: white;
    border: none;
    padding: 10px 15px;
    margin: 5px;
    border-radius: 4px;
    cursor: pointer;
    font-size: 14px;
}
.btn-action:hover {
    background: #17a2b8;
}
.btn-logout {
    background: #6c757d;
}
.btn-logout:hover {
    background: #5a6268;
}
.status {
    padding: 10px;
    margin: 15px 0;
    border-radius: 4px;
}
.grid-view {
    width: 100%;
    margin-top: 20px;
    border-collapse: collapse;
}

```

```

        .grid-view th {
            background: #20c997;
            color: white;
            padding: 10px;
            text-align: left;
        }
        .grid-view td {
            padding: 8px 10px;
            border-bottom: 1px solid #ddd;
        }
        .grid-view tr:nth-child(even) {
            background-color: #f2f2f2;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="dashboard">
            <h2>Operations Manager Dashboard</h2>

            <asp:Label ID="LblStatus" runat="server" CssClass="status"></asp:Label>

            <div>
                <asp:Button ID="BtnEmployees" runat="server" Text="View Operations Employees"
                    CssClass="btn-action" />
                <asp:Button ID="BtnAttendance" runat="server" Text="View Attendance"
                    CssClass="btn-action" />
                <asp:Button ID="BtnSalaries" runat="server" Text="View Salaries"
                    CssClass="btn-action" />
            </div>

            <asp:GridView ID="GridViewData" runat="server" AutoGenerateColumns="True"
                CssClass="grid-view" EmptyDataText="No records found">
            </asp:GridView>

            <div style="margin-top: 30px;">
                <asp:Button ID="BtnLogout" runat="server" Text="Logout"
                    CssClass="btn-action btn-logout" />
            </div>
        </div>
    </form>
</body>
</html>
Update Cancel

```

.vb

```
Imports System.Data
Imports System.Data.SqlClient
Imports System.Configuration
```

```
Partial Class OperationsManagerDashboard
    Inherits System.Web.UI.Page
```

```
    Private ReadOnly connectionString As String =
ConfigurationManager.ConnectionStrings("EmployeeDBConnection").ConnectionString
```

```
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            LblStatus.Text = "Ready to connect to Operations Department data"
            LblStatus.ForeColor = Drawing.Color.Blue
        End If
    End Sub
```

```
    Protected Sub BtnEmployees_Click(sender As Object, e As EventArgs) Handles
BtnEmployees.Click
```

```
        Try
            Dim sql As String = "SELECT e.Employee_ID, e.Name, e.Email, e.Phone,
e.Date_Of_Joining " &
                                "FROM Employee_New e " &
                                "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
                                "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
                                "WHERE d.Department_Name = 'Operations'"
            BindGrid(sql, "Operations Employees")
        Catch ex As Exception
            ShowError(ex)
        End Try
    End Sub
```

```
    Protected Sub BtnAttendance_Click(sender As Object, e As EventArgs) Handles
BtnAttendance.Click
```

```
        Try
            Dim sql As String = "SELECT a.Attendance_ID, e.Employee_ID, e.Name,
a.Attendance_Date, a.Status " &
                                "FROM Attendance a " &
                                "JOIN Employee_New e ON a.Employee_ID = e.Employee_ID " &
                                "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
                                "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
                                "WHERE d.Department_Name = 'Operations'"
        End Try
    End Sub
```

```

        BindGrid(sql, "Attendance Records")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Protected Sub BtnSalaries_Click(sender As Object, e As EventArgs) Handles
BtnSalaries.Click
    Try
        Dim sql As String = "SELECT s.Salary_ID, e.Employee_ID, e.Name, s.Salary,
s.Effective_From " &
                                "FROM Salaries s " &
                                "JOIN Employee_New e ON s.Employee_ID = e.Employee_ID " &
                                "JOIN Employee_Department ed ON e.Employee_ID = ed.Employee_ID
" &
                                "JOIN Departments d ON ed.Department_ID = d.Department_ID " &
                                "WHERE d.Department_Name = 'Operations'"

        BindGrid(sql, "Salary Data")
    Catch ex As Exception
        ShowError(ex)
    End Try
End Sub

Private Sub BindGrid(query As String, title As String)
    Using con As New SqlConnection(connectionString)
        Try
            con.Open()
            Using cmd As New SqlCommand(query, con)
                Dim da As New SqlDataAdapter(cmd)
                Dim dt As New DataTable()
                da.Fill(dt)

                GridViewData.DataSource = dt
                GridViewData.DataBind()
                LblStatus.Text = String.Format("{0} loaded successfully. Records found:
{1}", title, dt.Rows.Count)
                LblStatus.ForeColor = Drawing.Color.Green
            End Using
        Catch ex As Exception
            Throw New Exception(String.Format("Failed to load {0}. {1}", title,
ex.Message))
        Finally
            If con.State = ConnectionState.Open Then
                con.Close()
            End If
        End Try
    End Try

```

```

        End Using
    End Sub

    Private Sub ShowError(ex As Exception)
        LblStatus.Text = "Error: " & ex.Message
        LblStatus.ForeColor = Drawing.Color.Red
        GridViewData.DataSource = Nothing
        GridViewData.DataBind()
    End Sub

    Protected Sub BtnLogout_Click(sender As Object, e As EventArgs) Handles BtnLogout.Click
        Response.Redirect("Login.aspx")
    End Sub
End Class

```

Output



Lets click Employees in this department,

Marketing Manager Dashboard

Marketing Employees loaded successfully. Records found: 3

View Marketing Employees

View Attendance

View Salaries

Employee_ID	Name	Email	Phone	Date_Of_Joining
4	Saira	saira@company.com	0300000004	1/4/2020 12:00:00 AM
9	Faizan	faizan@company.com	0300000009	1/9/2020 12:00:00 AM
14	Faiz	faiz@company.com	0300000014	1/14/2020 12:00:00 AM

Logout

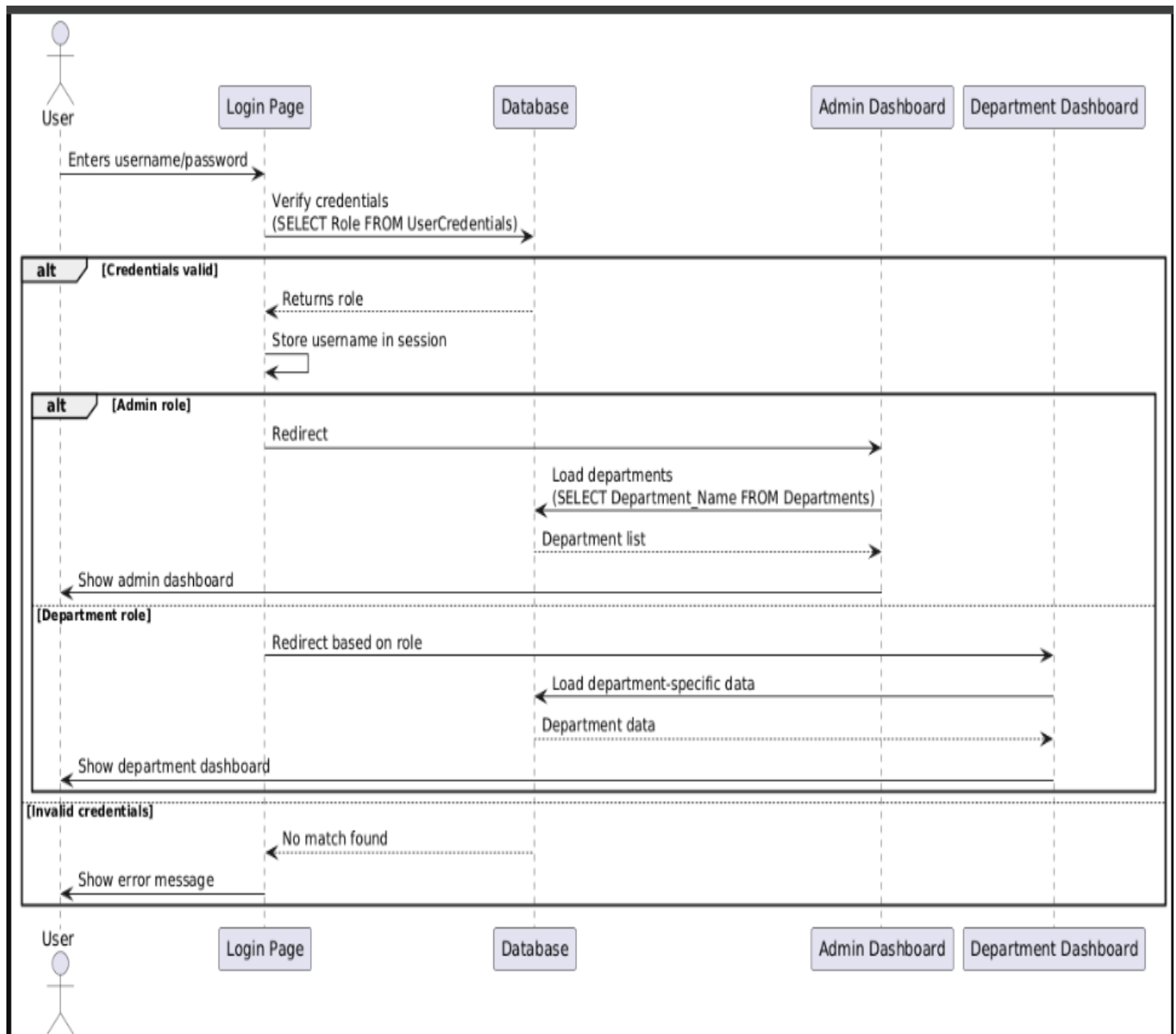
Sequence Diagram:

Description:

1. The diagram begins with the **User** initiating the login process by entering credentials on the **Login Page**.
2. The system then **verifies credentials** by querying the database with the provided username/password.
3. If credentials are **invalid**, an error message is returned to the user and the flow ends.
4. For **valid credentials**, the system retrieves the user's role (Admin/Department) from the database.
5. The login page **stores the username** in the session for future reference.
6. For **Admin users**, the system redirects to the Admin Dashboard which loads all departments from the database.
7. The Admin Dashboard displays department data and options to the privileged admin user.
8. For **Department users**, the system redirects to their specific department dashboard (HR/Finance/IT/etc).
9. Each department dashboard **queries only its relevant data** from the database.
10. Finally, the appropriate dashboard (Admin or Department) is displayed to the authenticated user with role-specific functionality.

This diagram effectively visualizes the **authentication flow**, **role-based routing**, and **data access patterns** in your secure payroll system

Diagram Image :



Conclusion - Employee Payroll System Project Report

1. The **Employee Payroll System** successfully implements a **secure, role-based web application** for managing employee data, attendance, and salaries.
2. The **Admin Dashboard** provides centralized control, allowing admins to view and manage all departments (HR, Finance, IT, etc.).
3. **Department-specific dashboards** (HR, Finance, IT, Marketing, Operations) restrict users to their designated data, ensuring privacy and security.
4. **Database integration** (SQL Server on Somee.com) efficiently handles employee records, attendance, and salary details with optimized queries.
5. The **login system** validates credentials against the database and redirects users based on their roles, enhancing security.

6. **ViewState and session variables** maintain user selections, improving the user experience during navigation.
7. **Error handling** is implemented across all modules, ensuring robustness and preventing crashes.
8. **Responsive UI design** (Bootstrap, custom CSS) provides an intuitive interface for both admins and department users.
9. **Role-based dashboards** dynamically load relevant data, reducing unnecessary database queries.
10. **Security measures** include password protection, session validation, and restricted access to sensitive operations.
11. **Modular code structure** (separate .aspx and .vb files) enhances maintainability and scalability.
12. **Real-time data binding** (GridView controls) ensures up-to-date employee records, attendance, and salary details.

13. The system **simplifies payroll management** by automating department-wise data retrieval.

14. **Export and filter options** (in Finance/HR dashboards) enhance usability for reporting purposes.

15. **Future enhancements** could include salary slip generation, leave management, and advanced analytics.

16. The project demonstrates **strong ASP.NET Web Forms** proficiency with **SQL Server integration**.

17. **Role-based access control (RBAC)** ensures compliance with organizational hierarchy and data privacy.

18. Overall, the system delivers a **secure, efficient, and user-friendly** payroll management solution for modern enterprises.

This project successfully meets its objectives while maintaining **scalability, security, and usability**—making it a practical solution for payroll administration

