

IAD Lab 10

Code

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LoginChoice.aspx

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Portal Selection - HHM</title>
  <!-- CRITICAL: Linking your CSS file so the boxes actually show up -->
  <link rel="stylesheet" type="text/css" href="style.css" />
</head>
<body class="choice-bg">
  <form id="form1" runat="server">
    <div class="choice-container portal-selection">
      <h1>Welcome to HHM Portal</h1>
      <p style="color: #233D4D; margin-bottom: 30px;">Please select your access level to continue</p>

      <div class="choice-grid">
        <!-- Customer Option -->
        <asp:LinkButton ID="InkCustomer" runat="server" CssClass="choice-box"
OnClick="InkCustomer_Click">
          <div class="icon"><img alt="shopping cart icon" data-bbox="338 465 358 478"/></div>
          <h2>Customer Login</h2>
          <p>Place a new order and enjoy your meal.</p>
        </asp:LinkButton>

        <!-- Staff Option (Cleaned up the duplicate you had) -->
        <asp:LinkButton ID="InkStaff" runat="server" CssClass="choice-box" OnClick="InkStaff_Click">
          <div class="icon"><img alt="chef icon" data-bbox="342 582 358 595"/></div>
          <h2>Staff Login</h2>
          <p>Access Kitchen Display and Management.</p>
        </asp:LinkButton>
      </div>
    </div>
  </form>
</body>
</html>
```

LoginChoice.aspx.vb

```
Partial Class LoginChoice
  Inherits System.Web.UI.Page
  ' Choice.aspx.vb
  Protected Sub InkCustomer_Click(sender As Object, e As EventArgs)
    ' Redirect customers to your existing login/order page
```

```

        Response.Redirect("Menu.aspx")
    End Sub

    Protected Sub InkStaff_Click(sender As Object, e As EventArgs)
        ' Redirect employees to the staff login page
        Response.Redirect("StaffLogin.aspx")
    End Sub
End Class

```

login.aspx

```

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

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Login - HHM</title>
    <link rel="stylesheet" href="style.css" />
</head>

<body>

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

<div class="auth-box">

    <h2>Login</h2>

    <asp:TextBox ID="txtUsername" runat="server" placeholder="Username"></asp:TextBox>
    <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
placeholder="Password"></asp:TextBox>

    <asp:Button ID="btnLogin" runat="server" Text="Login" OnClick="btnLogin_Click" />

    <br /><br />
    <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label>
    <p class="switch">
        Don't have an account? <a href="registration.aspx">Sign Up</a>
    </p>
    <a href="menu.aspx">Back</a>

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

```

[login.aspx.vb](#)

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Partial Class login

Inherits System.Web.UI.Page

ReadOnly connString As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub btnLogin_Click(sender As Object, e As EventArgs) Handles btnLogin.Click

Dim username As String = txtUsername.Text.Trim()

Dim password As String = txtPassword.Text.Trim()

If String.IsNullOrEmpty(username) Or String.IsNullOrEmpty(password) Then

 lblMsg.Text = "Please enter both email and password."

 lblMsg.ForeColor = Drawing.Color.Red

 Exit Sub

End If

Try

 If TryCustomerLogin(username, password) Then

 Exit Sub

 Else

 lblMsg.Text = "Invalid Customer email or password."

 lblMsg.ForeColor = Drawing.Color.Red

 End If

Catch ex As Exception

 lblMsg.Text = "Error: " & ex.Message

 lblMsg.ForeColor = Drawing.Color.Red

End Try

End Sub

Private Function TryCustomerLogin(user As String, pass As String) As Boolean

 Using con As New SqlConnection(connString)

 Dim sql As String =

 "SELECT customer_id, name FROM Customer " &

 "WHERE email = @email AND password = @pass"

```

Using cmd As New SqlCommand(sql, con)

    cmd.Parameters.Add("@email", SqlDbType.VarChar).Value = user
    cmd.Parameters.Add("@pass", SqlDbType.VarChar).Value = pass

    con.Open()

    Using dr As SqlDataReader = cmd.ExecuteReader()

        If dr.Read() Then

            Session("UserType") = "Customer"
            Session("UserID") = dr("customer_id")
            Session("UserName") = dr("name")

            ' Return user back to previous page if available
            Dim returnUrl As String = Request.QueryString("returnUrl")

            If Not String.IsNullOrEmpty(returnUrl) Then
                Response.Redirect(returnUrl)
            Else
                Response.Redirect("Menu.aspx")
            End If

            Return True

        End If

    End Using

End Using

End Using

Return False

End Function

End Class

```

ManagerAddEmployee.aspx

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="ManagerAddEmployee.aspx.vb"
Inherits="ManagerAddEmployee" %>
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Add Employee - HHM</title>

```

```

<link rel="stylesheet" href="style.css" />
</head>
<body>
  <form id="form1" runat="server">
    <header>
      <h1>HHM Manager Dashboard</h1>
    </header>
    <div class="container">
      <div class="card">
        <h2>Add New Employee</h2>
        <hr />
        <br />
        <label>Full Name:</label>
        <asp:TextBox ID="txtName" runat="server" placeholder="Full Name"
        CssClass="form-control"></asp:TextBox>

        <label>Email (Used for Login):</label>
        <asp:TextBox ID="txtEmail" runat="server" placeholder="example@hbm.com"
        CssClass="form-control"></asp:TextBox>

        <label>Password:</label>
        <asp:TextBox ID="txtPass" runat="server" TextMode="Password" placeholder="Password"
        CssClass="form-control"></asp:TextBox>

        <label>Monthly Salary (Rs.):</label>
        <asp:TextBox ID="txtSalary" runat="server" TextMode="Number" placeholder="Salary Amount"
        CssClass="form-control"></asp:TextBox>

        <label>Role:</label>
        <asp:DropDownList ID="ddlRole" runat="server" CssClass="form-control">
          <asp:ListItem Value="0">Select Role</asp:ListItem>
          <asp:ListItem Value="2">Chef</asp:ListItem>
          <asp:ListItem Value="3">Waiter</asp:ListItem>
          <asp:ListItem Value="4">Delivery Boy</asp:ListItem>
          <asp:ListItem Value="5">Inventory Manager</asp:ListItem>
        </asp:DropDownList>
        <br /><br />
        <asp:Button ID="btnAdd" runat="server" Text="Save Employee" OnClick="btnAdd_Click"
        CssClass="btn-submit" />
        <br />

      </div>
    </div>

    <div style="margin-top: 20px; text-align: center;">
      <a href="ManagerDashboard.aspx">Return to Dashboard</a>
    </div>
  </form>
</body>

```

</html>

ManagerAddEmployee.aspx.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Partial Class ManagerAddEmployee

Inherits System.Web.UI.Page

ReadOnly connStr As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

If Session("RoleID") Is Nothing OrElse CInt(Session("RoleID")) <> 1 Then

 Response.Redirect("StaffLogin.aspx")

 Exit Sub

End If

End Sub

Protected Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click

' Read password immediately before anything else — Password fields lose value after postback

Dim empName As String = txtName.Text.Trim()

Dim empEmail As String = txtEmail.Text.Trim()

Dim empPass As String = txtPass.Text

Dim empSalary As String = txtSalary.Text.Trim()

Try

 Using con As New SqlConnection(connStr)

 Dim query As String = "INSERT INTO employee (employee_name, role_id, salary, hire_date, password, email) " &

 "VALUES (@name, @role, @salary, GETDATE(), @pass, @email)"

 Using cmd As New SqlCommand(query, con)

 cmd.Parameters.AddWithValue("@name", empName)

 cmd.Parameters.AddWithValue("@role", CInt(ddlRole.SelectedValue))

 cmd.Parameters.AddWithValue("@salary", Decimal.Parse(empSalary))

 cmd.Parameters.AddWithValue("@pass", empPass)

 cmd.Parameters.AddWithValue("@email", empEmail)

 con.Open()

 cmd.ExecuteNonQuery()

 End Using

 End Using

 ClearForm()

 Catch ex As Exception

 ' silently fail, or optionally throw

 End Try

End Sub

```
Private Sub ClearForm()  
    txtName.Text = ""  
    txtEmail.Text = ""  
    txtPass.Text = ""  
    txtSalary.Text = ""  
    ddlRole.SelectedIndex = 0  
End Sub
```

```
End Class
```

ManagerDashboard.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="ManagerDashboard.aspx.vb"
Inherits="ManagerDashboard" %>
<!DOCTYPE html>
<html>
<head>
  <title>Manager Dashboard - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <div class="navbar">
    <ul class="nav-list">
      <li class="logo">HHM</li>
      <li class="right"><a href="StaffLogin.aspx">Logout</a></li>
    </ul>
  </div>

  <div class="section">
    <h2>Manager Dashboard</h2>
    <p>Welcome, <asp:Label ID="lblManagerName" runat="server" /></p>

    <a href="ManagerEmployees.aspx">
      <div class="small-card">
        <h3>👥 Employees</h3>
        <p>Edit salaries and roles</p>
        <button type="button">Manage</button>
      </div>
    </a>

    <a href="ManagerFinance.aspx">
      <div class="small-card">
        <h3>📊 Finance</h3>
        <p>Revenue, expenses, profit</p>
        <button type="button">View</button>
      </div>
    </a>

    <a href="ManagerAddEmployee.aspx">
      <div class="small-card">
        <h3>👥 Add Employee</h3>
        <p>Add new employees</p>
        <button type="button">Add New Employee</button>
      </div>
    </a>
  </div>
</body>
</html>
```

```
</div>
</body>
</html>
```

ManagerDashboard.aspx.vb

Imports System.Configuration

Partial Class ManagerDashboard

Inherits System.Web.UI.Page

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

' RoleID 1 = Manager, set by StaffLogin.aspx.vb

If Session("RoleID") Is Nothing OrElse CInt(Session("RoleID")) <> 1 Then

 Response.Redirect("StaffLogin.aspx")

 Exit Sub

End If

' Session("UserName") is set as employee_name in StaffLogin

lblManagerName.Text = Session("UserName").ToString()

End Sub

End Class

ManagerEmployees.aspx

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

```
<!DOCTYPE html>
```

```
<html>
```

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

```
    <title>Employee Management - HHM</title>
```

```
    <link rel="stylesheet" href="style.css" />
```

```
</head>
```

```
<body>
```

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

```
        <div class="navbar">
```

```
            <ul class="nav-list">
```

```
                <li class="logo">HHM</li>
```

```
                <li class="right"><a href="ManagerDashboard.aspx">Back</a></li>
```

```
                <li class="right"><a href="StaffLogin.aspx">Logout</a></li>
```

```
            </ul>
```

```
        </div>
```

```
    <div class="section">
```

```
        <h2>Employee Management</h2>
```

```
<asp:Label ID="lblMsg" runat="server" Visible="false" Font-Bold="true" Style="display:block;
margin-bottom:10px;" />
```

```
<asp:GridView ID="gvEmployees" runat="server"
  AutoGenerateColumns="false"
  OnRowCommand="gvEmployees_RowCommand"
  CssClass="employee-grid">
  <Columns>
    <asp:BoundField DataField="employee_id" HeaderText="ID" />
    <asp:BoundField DataField="employee_name" HeaderText="Name" />
    <asp:BoundField DataField="email" HeaderText="Email" />
    <asp:BoundField DataField="role_id" HeaderText="Current Role" />
    <asp:BoundField DataField="salary" HeaderText="Current Salary" DataFormatString="{0:C}"
  />
```

```
<asp:TemplateField HeaderText="New Salary">
  <ItemTemplate>
    <asp:TextBox ID="txtNewSalary" runat="server" TextMode="Number" Width="100px"
placeholder="0.00" />
  </ItemTemplate>
</asp:TemplateField>
```

```
<asp:TemplateField HeaderText="New Role">
  <ItemTemplate>
    <asp:DropDownList ID="ddlNewRole" runat="server">
      <asp:ListItem Value="1" Text="Manager" />
      <asp:ListItem Value="2" Text="Chef" />
      <asp:ListItem Value="3" Text="Cashier" />
      <asp:ListItem Value="4" Text="Waiter" />
      <asp:ListItem Value="5" Text="Inventory Person" />
    </asp:DropDownList>
  </ItemTemplate>
</asp:TemplateField>
```

```
<asp:TemplateField HeaderText="Action">
  <ItemTemplate>
    <asp:Button ID="btnSave" runat="server" Text="Save"
      CommandName="UpdateEmp"
      CommandArgument='<%# Container.DataItemIndex %>' />
  </ItemTemplate>
</asp:TemplateField>
```

```
</Columns>
</asp:GridView>
```

```
<div style="margin-top: 20px; text-align: center;">
  <a href="ManagerDashboard.aspx">Return to Dashboard</a>
</div>
```

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

ManagerEmployees.aspx.vb

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

```
<!DOCTYPE html>
<html>
<head runat="server">
  <title>Employee Management - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <form id="form1" runat="server">
    <div class="navbar">
      <ul class="nav-list">
        <li class="logo">HHM</li>
        <li class="right"><a href="ManagerDashboard.aspx">Back</a></li>
        <li class="right"><a href="StaffLogin.aspx">Logout</a></li>
      </ul>
    </div>

    <div class="section">
      <h2>Employee Management</h2>

      <asp:Label ID="lblMsg" runat="server" Visible="false" Font-Bold="true" Style="display:block;
margin-bottom:10px;" />

      <asp:GridView ID="gvEmployees" runat="server"
AutoGenerateColumns="false"
OnRowCommand="gvEmployees_RowCommand"
CssClass="employee-grid">
        <Columns>
          <asp:BoundField DataField="employee_id" HeaderText="ID" />
          <asp:BoundField DataField="employee_name" HeaderText="Name" />
          <asp:BoundField DataField="email" HeaderText="Email" />
          <asp:BoundField DataField="role_id" HeaderText="Current Role" />
          <asp:BoundField DataField="salary" HeaderText="Current Salary" DataFormatString="{0:C}"
/>

          <asp:TemplateField HeaderText="New Salary">
            <ItemTemplate>
              <asp:TextBox ID="txtNewSalary" runat="server" TextMode="Number" Width="100px"
placeholder="0.00" />

```

```

        </ItemTemplate>
    </asp:TemplateField>

    <asp:TemplateField HeaderText="New Role">
        <ItemTemplate>
            <asp:DropDownList ID="ddlNewRole" runat="server">
                <asp:ListItem Value="1" Text="Manager" />
                <asp:ListItem Value="2" Text="Chef" />
                <asp:ListItem Value="3" Text="Cashier" />
                <asp:ListItem Value="4" Text="Waiter" />
                <asp:ListItem Value="5" Text="Inventory Person" />
            </asp:DropDownList>
        </ItemTemplate>
    </asp:TemplateField>

    <asp:TemplateField HeaderText="Action">
        <ItemTemplate>
            <asp:Button ID="btnSave" runat="server" Text="Save"
                CommandName="UpdateEmp"
                CommandArgument='<%# Container.DataItemIndex %>' />
        </ItemTemplate>
    </asp:TemplateField>
</Columns>
</asp:GridView>

```

```

<div style="margin-top: 20px; text-align: center;">
<a href="ManagerDashboard.aspx">Return to Dashboard</a>
</div>

```

```

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

```

ManagerFinance.aspx

```

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

```

```

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Financial Overview - HHM</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <form id="form1" runat="server">

```

```

<div class="navbar">
  <ul class="nav-list">
    <li class="logo">HHM</li>
    <li class="right"><a href="ManagerDashboard.aspx">Back</a></li>
    <li class="right"><a href="StaffLogin.aspx">Logout</a></li>
  </ul>
</div>

<div class="section">
  <h2>Financial Overview</h2>

  <div class="card">
    <p><strong>Total Revenue:</strong> Rs. <asp:Label ID="lblRevenue" runat="server" Text="0"
/></p>
    <p><strong>Total Expenses:</strong> Rs. <asp:Label ID="lblExpenses" runat="server"
Text="0" /></p>
    <p><strong>Net Profit:</strong> Rs. <asp:Label ID="lblProfit" runat="server" Text="0" /></p>
  </div>

  <!-- Revenue Table -->
  <h3>Paid Orders (Revenue)</h3>
  <asp:GridView ID="gvOrders" runat="server" AutoGenerateColumns="false"
CssClass="finance-table">
    <Columns>
      <asp:BoundField DataField="order_id" HeaderText="Order ID" />
      <asp:BoundField DataField="total_amount" HeaderText="Amount (Rs.)"
DataFormatString="{0:N0}" />
      <asp:BoundField DataField="payment_status" HeaderText="Status" />
    </Columns>
  </asp:GridView>

  <br />

  <!-- Expenses Table -->
  <h3>Shipments & Restocks (Expenses)</h3>
  <asp:GridView ID="gvShipments" runat="server" AutoGenerateColumns="false"
CssClass="finance-table">
    <Columns>
      <asp:BoundField DataField="shipment_id" HeaderText="Ship ID" />
      <asp:BoundField DataField="supplier_name" HeaderText="Supplier" />
      <asp:BoundField DataField="shipment_date" HeaderText="Date" DataFormatString="{0:dd
MMM yyyy}" />
      <asp:BoundField DataField="total_cost" HeaderText="Cost (Rs.)" DataFormatString="{0:N0}"
/>
      <asp:BoundField DataField="status" HeaderText="Status" />
    </Columns>
  </asp:GridView>

```

```

        <asp:Label ID="lblMsg" runat="server" Visible="false" Style="display:block; margin-top:10px;" />

    </div>

    <div style="margin-top: 20px; text-align: center;">
        <a href="ManagerDashboard.aspx">Return to Dashboard</a>
    </div>
</form>
</body>
</html>

```

ManagerFinance.aspx.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Partial Class ManagerFinance

Inherits System.Web.UI.Page

ReadOnly connStr As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

' Security: Check RoleID 1 (Manager)

If Session("RoleID") Is Nothing OrElse CInt(Session("RoleID")) <> 1 Then

 Response.Redirect("StaffLogin.aspx")

 Exit Sub

End If

If Not IsPostBack Then

 LoadFinance()

End If

End Sub

Sub LoadFinance()

 Try

 Using con As New SqlConnection(connStr)

 con.Open()

 ' 1. Calculate Total Revenue (Paid Orders)

 Dim revCmd As New SqlCommand(

 "SELECT ISNULL(SUM(o.total_amount), 0) "

 "FROM [Order] o " &

 "INNER JOIN Payment p ON p.order_id = o.order_id " &

 "WHERE p.payment_status = 'Paid'", con)

 Dim revenue As Decimal = CDec(revCmd.ExecuteScalar())

 ' 2. Calculate Total Expenses (Shipments)

```

Dim expCmd As New SqlCommand(
    "SELECT ISNULL(SUM(total_cost), 0) FROM Shipment", con)
Dim expenses As Decimal = CDec(expCmd.ExecuteScalar())

' 3. Display summary cards
Dim profit As Decimal = revenue - expenses
lblRevenue.Text = revenue.ToString("N0")
lblExpenses.Text = expenses.ToString("N0")
lblProfit.Text = profit.ToString("N0")

' Set Profit color (Red if loss, Green if profit)
lblProfit.ForeColor = If(profit >= 0, Drawing.Color.Green, Drawing.Color.Red)

' 4. Load Orders GridView
Dim ordCmd As New SqlCommand(
    "SELECT o.order_id, o.total_amount, p.payment_status " &
    "FROM [Order] o " &
    "INNER JOIN Payment p ON p.order_id = o.order_id " &
    "WHERE p.payment_status = 'Paid' " &
    "ORDER BY o.order_id DESC", con)
Dim daOrd As New SqlDataAdapter(ordCmd)
Dim dtOrd As New DataTable()
daOrd.Fill(dtOrd)
gvOrders.DataSource = dtOrd
gvOrders.DataBind()

' 5. Load Shipments GridView
Dim shipCmd As New SqlCommand(
    "SELECT s.shipment_id, sup.supplier_name, s.shipment_date, s.total_cost, s.status " &
    "FROM Shipment s " &
    "INNER JOIN Supplier sup ON s.supplier_id = sup.supplier_id " &
    "ORDER BY s.shipment_date DESC", con)
Dim daShip As New SqlDataAdapter(shipCmd)
Dim dtShip As New DataTable()
daShip.Fill(dtShip)
gvShipments.DataSource = dtShip
gvShipments.DataBind()

End Using
Catch ex As Exception
    lblMsg.Text = "✘ Error: " & ex.Message
    lblMsg.ForeColor = Drawing.Color.Red
    lblMsg.Visible = True
End Try
End Sub

End Class

```

menu.aspx

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

```
<!DOCTYPE html>
<html>
<head>
  <title>Explore Menu - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <div class="navbar">
    <ul class="nav-list">
      <li class="logo">HHM</li>
      <li class="right"><a href="Login.aspx">Login</a></li>
      <li class="right"><a href="Cart.aspx"><img alt="shopping cart icon" data-bbox="445 348 465 363"/></a></li>
    </ul>
  </div>

  <div class="section">
    <h2>Explore Our Categories</h2>

    <!-- Category Card for Burgers -->
    <a href="Burgers.aspx">
      <div class="small-card">
        <h3>Burgers</h3>
        <p>Zinger, Beef, and more!</p>
        <button type="button">View All</button>
      </div>
    </a>

    <!-- Category Card for Pizzas -->
    <a href="Pizza.aspx">
      <div class="small-card">
        <h3>Pizzas</h3>
        <p>Hot and Fresh Pizzas</p>
        <button type="button">View All</button>
      </div>
    </a>

    <!-- Category Card for Broast -->
    <a href="Broast.aspx">
      <div class="small-card">
        <h3>Broast</h3>
        <p>Crispy Fried Chicken</p>
        <button type="button">View All</button>
      </div>
    </a>
```

```

<!-- Category Card for Shawarma -->
<a href="Shawarma.aspx">
  <div class="small-card">
    <h3>Shawarma</h3>
    <p>Delicious Wraps</p>
    <button type="button">View All</button>
  </div>
</a>
</div>
</body>
</html>

```

[menu.aspx.vb](#)

```

Imports System.Data
Imports System.Data.SqlClient

```

Partial Class Menu

```

  Inherits System.Web.UI.Page

```

```

  Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

```

```

  End Sub

```

```

End Class

```

Registration.aspx

```

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

```

```

<!DOCTYPE html>

```

```

<html>

```

```

<head>

```

```

  <title>Sign Up - HHM</title>

```

```

  <link rel="stylesheet" href="style.css" />

```

```

</head>

```

```

<body>

```

```

  <form runat="server">

```

```

    <div class="auth-box">

```

```

      <h2>Customer Registration</h2>

```

```

      <asp:TextBox ID="txtUsername" runat="server" placeholder="Username"></asp:TextBox>

```

```

      <asp:TextBox ID="txtEmail" runat="server" placeholder="Email"></asp:TextBox>

```

```

      <asp:TextBox ID="txtMobile" runat="server" placeholder="Mobile Number"></asp:TextBox>

```

```

        <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
placeholder="Password"></asp:TextBox>
        <asp:TextBox ID="txtConfirm" runat="server" TextMode="Password" placeholder="Confirm
Password"></asp:TextBox>

        <asp:Button ID="btnSignup" runat="server" Text="Sign Up" />

        <br /><br />
        <!-- This label will display the success/error messages -->
        <asp:Label ID="lblMsg" runat="server"></asp:Label>

        <p class="switch">
            Already have an account?
            <asp:HyperLink runat="server" NavigateUrl="Login.aspx">Login</asp:HyperLink>
        </p>

        <asp:HyperLink runat="server" NavigateUrl="Menu.aspx">Back</asp:HyperLink>
    </div>
</form>
</body>
</html>

```

[Registration.aspx.vb](#)

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Partial Class Registration

Inherits System.Web.UI.Page

' Connection string from Web.config

ReadOnly connString As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub btnSignup_Click(sender As Object, e As EventArgs) Handles btnSignup.Click

' 1. Basic Validation: Check for empty fields

If txtUsername.Text.Trim() = "" Or txtEmail.Text.Trim() = "" Or txtPassword.Text.Trim() = "" Then

 lblMsg.Text = "Please fill all fields."

 lblMsg.ForeColor = Drawing.Color.Red

 Exit Sub

End If

' 2. Password Matching

If txtPassword.Text <> txtConfirm.Text Then

 lblMsg.Text = "Passwords do not match!"

 lblMsg.ForeColor = Drawing.Color.Red

```

Exit Sub
End If

' 3. Database Insertion
Try
    Using con As New SqlConnection(connString)
        ' customer_id is an IDENTITY(1,1) column, so we do NOT include it in the INSERT
        Dim sql As String = "INSERT INTO Customer (name, email, password) VALUES (@name,
@email, @pass)"

        Using cmd As New SqlCommand(sql, con)
            cmd.Parameters.Add("@name", SqlDbType.VarChar).Value = txtUsername.Text.Trim()
            cmd.Parameters.Add("@email", SqlDbType.VarChar).Value = txtEmail.Text.Trim()
            cmd.Parameters.Add("@pass", SqlDbType.VarChar).Value = txtPassword.Text.Trim()

            con.Open()
            cmd.ExecuteNonQuery()

            ' 4. Success Logic: Stay on page and show message
            lblMsg.Text = "Customer added successfully!"
            lblMsg.ForeColor = Drawing.Color.Green

            ' 5. Clear textboxes for the next registration
            txtUsername.Text = ""
            txtEmail.Text = ""
            txtMobile.Text = ""
            txtPassword.Text = ""
            txtConfirm.Text = ""

            ' NOTE: Redirect logic (Response.Redirect) is removed to keep the user here.
        End Using
    End Using

Catch ex As SqlException
    ' Error 2627 and 2601 are for Unique Key violations (Duplicate Email)
    If ex.Number = 2627 Or ex.Number = 2601 Then
        lblMsg.Text = "This email is already registered."
    Else
        lblMsg.Text = "Registration failed: " & ex.Message
    End If
    lblMsg.ForeColor = Drawing.Color.Red

Catch ex As Exception
    ' For any other general errors
    lblMsg.Text = "An error occurred: " & ex.Message
    lblMsg.ForeColor = Drawing.Color.Red
End Try

End Sub

```

End Class

StaffLogin.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="StaffLogin.aspx.vb"
Inherits="StaffLogin" %>
<!DOCTYPE html>
<html>
<head runat="server">
  <title>Internal Staff Portal - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body class="staff-bg">
  <form id="form1" runat="server">
    <div class="auth-box">
      <h2>Staff Portal</h2>
      <p>Please enter your employee credentials</p>

      <asp:TextBox ID="txtEmpEmail" runat="server" placeholder="Employee Email"></asp:TextBox>
      <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"
placeholder="Password"></asp:TextBox>

      <asp:Button ID="btnStaffLogin" runat="server" Text="Secure Login" OnClick="btnStaffLogin_Click"
/>

      <br /><br />
      <asp:Label ID="lblMsg" runat="server" ForeColor="Red"></asp:Label>
    </div>
  </form>
</body>
</html>
```

StaffLogin.aspx.vb

Imports System.Data

Imports System.Data.SqlClient

Imports System.Configuration

Partial Class StaffLogin

Inherits System.Web.UI.Page

ReadOnly connString As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub btnStaffLogin_Click(sender As Object, e As EventArgs) Handles btnStaffLogin.Click

Dim empEmail As String = txtEmpEmail.Text.Trim()

Dim pass As String = txtPassword.Text.Trim()

```

If String.IsNullOrEmpty(empEmail) Or String.IsNullOrEmpty(pass) Then
    lblMsg.Text = "Please enter staff email and password."
    lblMsg.ForeColor = Drawing.Color.Red
    Return
End If

Try
    Using con As New SqlConnection(connString)
        ' Join with RolePermissions to get access rights
        Dim sql As String = "SELECT E.employee_id, E.employee_name, E.role_id, " &
            "P.can_insert_order, P.can_update_order " &
            "FROM Employee E " &
            "INNER JOIN RolePermissions P ON E.role_id = P.role_id " &
            "WHERE E.email = @email AND E.password = @pass"

        Dim cmd As New SqlCommand(sql, con)
        cmd.Parameters.Add("@email", SqlDbType.VarChar).Value = empEmail
        cmd.Parameters.Add("@pass", SqlDbType.VarChar).Value = pass

        con.Open()
        Using dr As SqlDataReader = cmd.ExecuteReader()
            If dr.Read() Then
                ' 1. Set Identity and Security Sessions
                Session("UserType") = "Employee"
                Session("UserID") = dr("employee_id")
                Session("UserName") = dr("employee_name")
                Session("IsAuthenticated") = True

                ' 2. Set Role ID (Crucial for Dashboard access)
                Dim roleID As Integer = Convert.ToInt32(dr("role_id"))
                Session("RoleID") = roleID

                ' 3. Route to specific dashboard
                Select Case roleID
                    Case 1 : Response.Redirect("ManagerDashboard.aspx")
                    Case 2 : Response.Redirect("ChefDashboard.aspx")
                    Case 3 : Response.Redirect("CashierDashboard.aspx")
                    Case 5 : Response.Redirect("InventoryDashboard.aspx")
                    Case Else : Response.Redirect("StaffLogin.aspx")
                End Select
            Else
                lblMsg.Text = "Invalid Staff credentials."
                lblMsg.ForeColor = Drawing.Color.Red
            End If
        End Using
    End Using
Catch ex As Exception
    lblMsg.Text = "Database Error: " & ex.Message

```

```
        lblMsg.ForeColor = Drawing.Color.Red
    End Try
End Sub
End Class
```

Payment.aspx

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

```
<!DOCTYPE html>
<html>
<head>
    <title>Payment - FFMS</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <form runat="server">
        <header>
            <h1>Finalize Payment</h1>
        </header>
        <div class="card">
            <h3>Order Summary</h3>
            <p>Order ID: <asp:Label ID="lblOrderId" runat="server" Font-Bold="true"></asp:Label></p>
            <p>Total to Pay: <asp:Label ID="lblTotal" runat="server" ForeColor="Green"
            Font-Size="Large"></asp:Label></p>

            <hr />

            <h4>Select Payment Method</h4>
            <asp:RadioButtonList ID="rblPay" runat="server" AutoPostBack="true"
            OnSelectedIndexChanged="rblPay_SelectedIndexChanged">
                <asp:ListItem Value="Cash">Cash</asp:ListItem>
                <asp:ListItem Value="Card">Card</asp:ListItem>
                <asp:ListItem Value="Wallet">Wallet</asp:ListItem>
            </asp:RadioButtonList>

            <!-- This label will display the "Card Selected" message -->
            <asp:Label ID="lblSelectionMsg" runat="server" ForeColor="Blue" Font-Italic="true"></asp:Label>
            <br /><br />

            <asp:Button ID="btnPay" runat="server" Text="Confirm & Place Order" OnClick="btnPay_Click"
            CssClass="btn-confirm" />
            <br />
            <asp:Label ID="lblPayMsg" runat="server" ForeColor="Red"></asp:Label>
        </div>
    </form>
</body>
```

</html>

Payment.aspx.vb

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

```
Imports System.Configuration
```

```
Imports System.Data
```

```
Partial Class Payment
```

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

```
    ' Database Connection
```

```
    Dim con As New SqlConnection(
```

```
        ConfigurationManager.ConnectionStrings("FFMS").ConnectionString)
```

```
    Protected Sub Page_Load(sender As Object,
```

```
        e As EventArgs) Handles Me.Load
```

```
    ' Check if user logged in
```

```
    If Session("UserID") Is Nothing Then
```

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

```
        Return
```

```
    End If
```

```
    If Not IsPostBack Then
```

```
        ' Get OrderId from URL
```

```
        Dim orderId As String =
```

```
            Request.QueryString("OrderId")
```

```
        If Not String.IsNullOrEmpty(orderId) Then
```

```
            LoadOrderSummary(orderId)
```

```
        Else
```

```
            lblPayMsg.Text = "No active order found."
```

```
            lblPayMsg.ForeColor = Drawing.Color.Red
```

```
            btnPay.Enabled = False
```

```
        End If
```

```
    End If
```

```
End Sub
```

```

' Payment selection message
Protected Sub rblPay_SelectedIndexChanged(sender As Object,
                                     e As EventArgs)

    If rblPay.SelectedValue = "Card" Then

        lblSelectionMsg.Text =
            "✔ Card selected. Please ensure your card details are ready."

        lblSelectionMsg.ForeColor = Drawing.Color.Blue

    ElseIf rblPay.SelectedValue = "Wallet" Then

        lblSelectionMsg.Text =
            "✔ Wallet selected. You will be redirected to your provider."

        lblSelectionMsg.ForeColor = Drawing.Color.Purple

    ElseIf rblPay.SelectedValue = "Cash" Then

        lblSelectionMsg.Text =
            "✔ Cash on Delivery selected."

        lblSelectionMsg.ForeColor = Drawing.Color.DarkGreen

    Else

        lblSelectionMsg.Text = ""

    End If

End Sub

' Load order total
Private Sub LoadOrderSummary(orderId As String)

    Try

        con.Open()

        Dim sql As String =
            "SELECT O.order_id, " &
            "ISNULL(SUM(M.price * OL.quantity), 0) as CalculatedTotal " &
            "FROM [Order] O " &
            "JOIN OrderLine OL ON O.order_id = OL.order_id " &
            "JOIN MenuItem M ON OL.product_id = M.product_id " &
            "WHERE O.order_id = @oid " &
            "AND O.customer_id = @uid " &

```

```
"GROUP BY O.order_id"
```

```
Dim cmd As New SqlCommand(sql, con)
```

```
cmd.Parameters.AddWithValue("@oid", orderId)
```

```
cmd.Parameters.AddWithValue("@uid", Session("UserID"))
```

```
Dim reader As SqlDataReader =
```

```
cmd.ExecuteReader()
```

```
If reader.Read() Then
```

```
lblOrderId.Text =
```

```
reader("order_id").ToString()
```

```
lblTotal.Text =
```

```
"Rs. " &
```

```
Convert.ToDecimal(
```

```
reader("CalculatedTotal")).ToString("0.00")
```

```
Else
```

```
lblPayMsg.Text =
```

```
"We couldn't find any items in this order."
```

```
lblPayMsg.ForeColor = Drawing.Color.Red
```

```
lblTotal.Text = "Rs. 0"
```

```
btnPay.Enabled = False
```

```
End If
```

```
reader.Close()
```

```
Catch ex As Exception
```

```
lblPayMsg.Text =
```

```
"Error loading summary: " & ex.Message
```

```
lblPayMsg.ForeColor = Drawing.Color.Red
```

```
Finally
```

```
con.Close()
```

```
End Try
```

```
End Sub
```

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

```
    ' CHECK 1: Ensure payment option selected  
    If rblPay.SelectedIndex = -1 Then
```

```
        lblPayMsg.Text =  
            "Please select a payment method."
```

```
        lblPayMsg.ForeColor = Drawing.Color.Red
```

```
        Return
```

```
    End If
```

```
    ' CHECK 2: Ensure order exists  
    If String.IsNullOrEmpty(lblOrderId.Text) _  
        Or lblTotal.Text = "Rs. " Then
```

```
        lblPayMsg.Text =  
            "Error: Order data is missing."
```

```
        lblPayMsg.ForeColor = Drawing.Color.Red
```

```
        Return
```

```
    End If
```

```
    Dim orderId As Integer =  
        Convert.ToInt32(lblOrderId.Text)
```

```
    Dim amount As Decimal =  
        Convert.ToDecimal(  
            lblTotal.Text.Replace("Rs. ", "").Trim())
```

```
    Try
```

```
        con.Open()
```

```
        Dim trans As SqlTransaction =  
            con.BeginTransaction()
```

```
    Try
```

```
        ' STEP 1: Update OrderLine totals  
        Dim sqlFixLines As String =  
            "UPDATE OL " &  
            "SET OL.unit_price = M.price, " &
```

```
"OL.line_total = (M.price * OL.quantity) " &  
"FROM OrderLine OL " &  
"JOIN MenuItem M ON OL.product_id = M.product_id " &  
"WHERE OL.order_id = @oid"
```

```
Dim cmdFix As New SqlCommand(  
    sqlFixLines,  
    con,  
    trans)
```

```
cmdFix.Parameters.AddWithValue("@oid", orderId)
```

```
cmdFix.ExecuteNonQuery()
```

```
' STEP 2: Update Order total  
Dim sqlUpdateOrderTotal As String =  
    "UPDATE [Order] " &  
    "SET total_amount = @amt " &  
    "WHERE order_id = @oid"
```

```
Dim cmdUpdateTotal As New SqlCommand(  
    sqlUpdateOrderTotal,  
    con,  
    trans)
```

```
cmdUpdateTotal.Parameters.AddWithValue("@amt", amount)  
cmdUpdateTotal.Parameters.AddWithValue("@oid", orderId)
```

```
cmdUpdateTotal.ExecuteNonQuery()
```

```
' STEP 3: Insert Payment  
Dim paySql As String =  
    "INSERT INTO Payment " &  
    "(order_id, payment_type, amount, payment_status) " &  
    "VALUES (@oid, @ptype, @amt, 'Paid')"
```

```
Dim cmdPay As New SqlCommand(  
    paySql,  
    con,  
    trans)
```

```
cmdPay.Parameters.AddWithValue("@oid", orderId)
```

```
cmdPay.Parameters.AddWithValue(  
    "@ptype",  
    rblPay.SelectedValue)
```

```
cmdPay.Parameters.AddWithValue("@amt", amount)
```

```

cmdPay.ExecuteNonQuery()

' STEP 4: Update order status
Dim updateOrderSql As String =
    "UPDATE [Order] " &
    "SET order_status = 'Verification' " &
    "WHERE order_id = @oid"

Dim cmdUpdateOrder As New SqlCommand(
    updateOrderSql,
    con,
    trans)

cmdUpdateOrder.Parameters.AddWithValue("@oid", orderId)

cmdUpdateOrder.ExecuteNonQuery()

' Commit transaction
trans.Commit()

Response.Write(
    "<script>" &
    "alert('Payment Successful! Sent for verification.');" &
    "window.location='Burgers.aspx';" &
    "</script>")

Catch ex As Exception

    trans.Rollback()

    lblPayMsg.Text =
        "Transaction Failed: " & ex.Message

    lblPayMsg.ForeColor = Drawing.Color.Red

End Try

Catch ex As Exception

    lblPayMsg.Text =
        "Database Error: " & ex.Message

    lblPayMsg.ForeColor = Drawing.Color.Red

Finally

    con.Close()

End Try

```

End Sub

End Class

SearchResults.aspx

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

<!DOCTYPE html>
<html>
<head runat="server">
  <title>Search Results - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body class="chef-bg">
  <form id="form1" runat="server">
    <!-- Re-adding your Navbar -->
    <div class="navbar">
      <ul class="nav-list">
        <li class="logo">HHM</li>
        <li class="right"><a href="Menu.aspx">Continue Shopping</a></li>
        <li class="right"><a href="Cart.aspx">View Cart</a></li>
      </ul>
    </div>

    <asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

    <header>
      <h1 id="searchTitle" runat="server">Search Results</h1>
    </header>

    <div class="container">
      <asp:UpdatePanel ID="UpdatePanel1" runat="server">
        <ContentTemplate>
          <!-- Success Message Label -->
          <div style="text-align:center;">
            <asp:Label ID="lblSuccess" runat="server" Font-Bold="true" style="display:inline-block;
margin: 10px 0;"></asp:Label>
          </div>

          <asp:Panel ID="pnlNotFound" runat="server" Visible="false" CssClass="card">
            <p>Sorry, this item was not found!</p>
          </asp:Panel>

          <div class="category-grid">
            <asp:Repeater ID="rptResults" runat="server">
              <ItemTemplate>
                <div class="small-card">
                  <h3><%=# Eval("product_name") %></h3>
                  <p>Price: Rs <%=# Eval("price") %></p>
                </div>
              </ItemTemplate>
            </asp:Repeater>
          </div>
        </ContentTemplate>
      </asp:UpdatePanel>
    </div>
  </form>
</body>
</html>
```

```

        <div class="cart-controls">
            <label>Qty:</label>
            <asp:TextBox ID="txtQty" runat="server" Text="1" type="number" min="1"
CssClass="qty-input"></asp:TextBox>

            <asp:Button ID="btnAddToCart" runat="server"
                Text="Add to Cart"
                CssClass="btn-orange-search"
                CommandArgument='<%=# Eval("product_id") %>'
                OnClick="btnAddToCart_Click" />
        </div>
    </div>
</ItemTemplate>
</asp:Repeater>
</div>
</ContentTemplate>
</asp:UpdatePanel>
</div>
</form>
</body>
</html>

```

[SearchResults.aspx.vb](#)

Imports System.Data

Imports System.Data.SqlClient

Partial Class SearchResults

Inherits System.Web.UI.Page

Dim connStr As String =

ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub Page_Load(ByVal sender As Object,

ByVal e As System.EventArgs) Handles Me.Load

Dim query As String = Request.QueryString("q")

If Not IsPostBack AndAlso Not String.IsNullOrEmpty(query) Then

 searchTitle.InnerText = "Results for: " & query

 BindSearch(query)

End If

End Sub

```
Private Sub BindSearch(ByVal searchTerm As String)
```

```
    Using conn As New SqlConnection(connStr)
```

```
        Dim sql As String =
```

```
            "SELECT * FROM MenuItem WHERE product_name LIKE @search"
```

```
        Dim cmd As New SqlCommand(sql, conn)
```

```
        cmd.Parameters.AddWithValue("@search", "%" & searchTerm & "%")
```

```
        Dim dt As New DataTable()
```

```
        Dim da As New SqlDataAdapter(cmd)
```

```
        da.Fill(dt)
```

```
        If dt.Rows.Count > 0 Then
```

```
            rptResults.DataSource = dt
```

```
            rptResults.DataBind()
```

```
        Else
```

```
            pnlNotFound.Visible = True
```

```
        End If
```

```
    End Using
```

```
End Sub
```

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

```
    ' If not logged in → redirect to login
```

```
    If Session("UserID") Is Nothing Then
```

```
        Dim currentUrl As String =
```

```
            "SearchResults.aspx?q=" &
```

```
            Server.UrlEncode(Request.QueryString("q"))
```

```
        Response.Redirect("Login.aspx?returnUrl=" &
```

```
            Server.UrlEncode(currentUrl))
```

```
    Return
```

```
End If
```

```
Dim btn As Button = DirectCast(sender, Button)
```

```

Dim prodID As Integer =
    Convert.ToInt32(btn.CommandArgument)

Dim item As RepeaterItem =
    DirectCast(btn.NamingContainer, RepeaterItem)

Dim qty As Integer =
    Convert.ToInt32(
        DirectCast(item.FindControl("txtQty"), TextBox).Text)

Dim userID As Integer =
    Convert.ToInt32(Session("UserID"))

Using conn As New SqlConnection(connStr)

    conn.Open()

    ' Get existing pending order
    Dim orderId As Integer = 0

    Dim getOrderSql As String =
        "SELECT order_id FROM [Order] " &
        "WHERE customer_id = @uid " &
        "AND order_status = 'Pending'"

    Dim cmdOrder As New SqlCommand(getOrderSql, conn)

    cmdOrder.Parameters.AddWithValue("@uid", userID)

    Dim result = cmdOrder.ExecuteScalar()

    If result IsNot Nothing Then

        orderId = Convert.ToInt32(result)

    Else

        ' Create new order
        Dim createOrderSql As String =
            "INSERT INTO [Order] " &
            "(customer_id, date_time, order_status, total_amount) " &
            "OUTPUT INSERTED.order_id " &
            "VALUES (@uid, GETDATE(), 'Pending', 0)"

        Dim cmdCreate As New SqlCommand(createOrderSql, conn)

        cmdCreate.Parameters.AddWithValue("@uid", userID)

        orderId = Convert.ToInt32(cmdCreate.ExecuteScalar())
    
```

```

End If

' Check existing item
Dim checkItemSql As String =
    "SELECT orderline_id FROM OrderLine " &
    "WHERE order_id = @oid AND product_id = @pid"

Dim cmdCheck As New SqlCommand(checkItemSql, conn)

cmdCheck.Parameters.AddWithValue("@oid", orderId)
cmdCheck.Parameters.AddWithValue("@pid", prodID)

Dim lineExists = cmdCheck.ExecuteScalar()

If lineExists IsNot Nothing Then

    ' Update quantity
    Dim updateSql As String =
        "UPDATE OrderLine " &
        "SET quantity = quantity + @qty " &
        "WHERE orderline_id = @lid"

    Dim cmdUpdate As New SqlCommand(updateSql, conn)

    cmdUpdate.Parameters.AddWithValue("@qty", qty)
    cmdUpdate.Parameters.AddWithValue("@lid", lineExists)

    cmdUpdate.ExecuteNonQuery()

Else

    ' Insert item
    Dim insertSql As String =
        "INSERT INTO OrderLine " &
        "(order_id, product_id, quantity) " &
        "VALUES (@oid, @pid, @qty)"

    Dim cmdInsert As New SqlCommand(insertSql, conn)

    cmdInsert.Parameters.AddWithValue("@oid", orderId)
    cmdInsert.Parameters.AddWithValue("@pid", prodID)
    cmdInsert.Parameters.AddWithValue("@qty", qty)

    cmdInsert.ExecuteNonQuery()

End If

conn.Close()

```

End Using

lblSuccess.Text = "✓ Product added to cart successfully!"
lblSuccess.ForeColor = Drawing.Color.Green

End Sub

End Class

Track.aspx

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Track</title>
```

```
  <link rel="stylesheet" href="style.css" />
```

```
</head>
```

```
<body>
```

```
<form runat="server">
```

```
<header><h1>Track Order</h1></header>
```

```
<div class="container">
```

```
<div class="card">
```

```
<h2>Enter Order ID</h2>
```

```
<asp:TextBox ID="txtOrder" runat="server"></asp:TextBox>
```

```
<asp:Button ID="btnTrack" runat="server" Text="Track" OnClick="btnTrack_Click" />
```

```
</div>
```

```
<div class="card">
```

```
<h2>Order Status</h2>
```

```
<asp:Label ID="lblOrder" runat="server"></asp:Label><br />
```

```
<asp:Label ID="lblStatus" runat="server"></asp:Label><br />
```

```
<asp:Label ID="lblTime" runat="server"></asp:Label>
```

```
</div>
```

```
</div>

</form>

</body>
</html>
```

LoginChoice.aspx.vb

Partial Class Track

Inherits System.Web.UI.Page

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

 lblOrder.Text = "Order: " & txtOrder.Text

 lblStatus.Text = "Status: Preparing"

 lblTime.Text = "ETA: 30 minutes"

End Sub

End Class

CashierDashboard.aspx

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

```
<!DOCTYPE html>
<html>
<head runat="server">
    <title>Cashier Terminal - HHM</title>
    <!-- Your group's shared stylesheet -->
    <link rel="stylesheet" href="style.css" />
</head>
<body class="chef-bg">
    <form id="form1" runat="server">
        <asp:ScriptManager ID="SM1" runat="server" />

        <!-- START OF YOUR ISOLATED SECTION -->
        <div class="cashier-portal">
<div class="kitchen-container">
            <h1 class="dash-title">Cashier Administration</h1>

            <!-- Modernized Navigation -->
            <nav class="cashier-nav">
```

```

    <asp:LinkButton ID="btnNavOrders" runat="server" OnClick="ChangeView" CommandArgument="0"
    CssClass="nav-item active-tab">
        <span> 📄 </span> Verification Queue
    </asp:LinkButton>
    <asp:LinkButton ID="btnNavStats" runat="server" OnClick="ChangeView" CommandArgument="1"
    CssClass="nav-item">
        <span> 📊 </span> Daily Summary
    </asp:LinkButton>
</nav>

<asp:UpdatePanel ID="UP1" runat="server" UpdateMode="Conditional">
    <ContentTemplate>
        <asp:MultiView ID="mvCashier" runat="server" ActiveViewIndex="0">

            <!-- VIEW 0: ORDER VERIFICATION -->
            <asp:View ID="vwOrders" runat="server">
                <div class="view-header">
                    <h3>Pending Verifications</h3>
                    <p>Approve paid orders to send them to the kitchen.</p>
                </div>
                <asp:GridView ID="gvCashier" runat="server" AutoGenerateColumns="False"
                CssClass="chef-grid" OnRowCommand="gvCashier_RowCommand" GridLines="None">
                    <Columns>
                        <asp:BoundField DataField="order_id" HeaderText="Order #" />
                        <asp:BoundField DataField="name" HeaderText="Customer" />
                        <asp:TemplateField HeaderText="Total Bill">
                            <ItemTemplate><span class="price-tag">Rs. <%=# Eval("TotalAmount", "{0:N2}")
%></span></ItemTemplate>
                        </asp:TemplateField>
                        <asp:TemplateField HeaderText="Action">
                            <ItemTemplate>
                                <asp:Button ID="btnPay" runat="server" Text="Approve to Kitchen"
                                CommandName="Approve" CommandArgument='<%=# Eval("order_id") %>' CssClass="btn-approve" />
                            </ItemTemplate>
                        </asp:TemplateField>
                    </Columns>
                </asp:GridView>
            </asp:View>

            <!-- VIEW 1: DAILY STATS -->
            <asp:View ID="vwStats" runat="server">
                <div class="stats-grid">
                    <div class="stat-card revenue">
                        <span class="stat-label">Today's Revenue</span>
                        <asp:Label ID="lblTotalRevenue" runat="server" CssClass="stat-value" Text="Rs. 0"
                        />
                    </div>
                    <div class="stat-card orders">
                        <span class="stat-label">Processed Today</span>

```

```

        <asp:Label ID="lblMyOrdersCount" runat="server" CssClass="stat-value" Text="0" />
    </div>
</div>
</asp:View>

</asp:MultiView>
</ContentTemplate>
</asp:UpdatePanel>
</div>
</div>

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

```

CashierDashboard.aspx.vb

Imports System.Data

Imports System.Data.SqlClient

Partial Class CashierDashboard

Inherits System.Web.UI.Page

' Database Connection

Dim con As New SqlConnection(ConfigurationManager.ConnectionStrings("FFMS").ConnectionString)

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

If Not IsPostBack Then

BindOrders()

UpdateStats()

End If

End Sub

' 1. Navigation Logic

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

Dim btn As LinkButton = DirectCast(sender, LinkButton)

mvCashier.ActiveViewIndex = Convert.ToInt32(btn.CommandArgument)

' Update CSS Classes for navigation

btnNavOrders.CssClass = "nav-item"

btnNavStats.CssClass = "nav-item"

btn.CssClass = "nav-item active-tab"

End Sub

' 2. Bind Verification Queue

Sub BindOrders()

Dim dt As New DataTable()

```

Try
    con.Open()
    ' We use 'AS TotalAmount' so the GridView Eval("TotalAmount") finds it
    Dim sql As String = "SELECT O.order_id, C.name, O.total_amount AS TotalAmount " &
        "FROM [Order] O " &
        "LEFT JOIN Customer C ON O.customer_id = C.customer_id " &
        "WHERE O.order_status = 'Verification'"

    Dim cmd As New SqlCommand(sql, con)
    Dim adp As New SqlDataAdapter(cmd)
    adp.Fill(dt)

    gvCashier.DataSource = dt
    gvCashier.DataBind()
Catch ex As Exception
    ' This alert is our safety net
    Response.Write("<script>alert('Error: " & ex.Message.Replace("'", "'") & "');</script>")
Finally
    con.Close()
End Try
End Sub

' 3. Handle Approval (The Approve Button)
Protected Sub gvCashier_RowCommand(sender As Object, e As GridViewCommandEventArgs)
    If e.CommandName = "Approve" Then
        Dim oid As Integer = Convert.ToInt32(e.CommandArgument)
        Try
            con.Open()

            ' FIX: Changed 'Order_Items' to 'OrderLine' to match your database
            ' This recalculates the total price just in case
            Dim sqlUpdatePrice As String = "UPDATE [Order] SET total_amount = " &
                "(SELECT SUM(unit_price * quantity) FROM OrderLine WHERE order_id = @oid) " &
                "WHERE order_id = @oid"

            Dim cmdPrice As New SqlCommand(sqlUpdatePrice, con)
            cmdPrice.Parameters.AddWithValue("@oid", oid)
            cmdPrice.ExecuteNonQuery()

            ' Update status to 'Paid' so it disappears from Queue and moves to Revenue
            Dim cmdStatus As New SqlCommand("UPDATE [Order] SET order_status = 'Paid' WHERE
order_id = @oid", con)
            cmdStatus.Parameters.AddWithValue("@oid", oid)
            cmdStatus.ExecuteNonQuery()

        Finally
            con.Close()
        End Try

        ' Refresh UI
    
```

```

        BindOrders()
        UpdateStats()
    End If
End Sub

' 4. Update the Daily Summary
Sub UpdateStats()
    Try
        con.Open()

        ' REVENUE: Only sum orders that are NOT in Verification/Pending status
        Dim sqlRev As String = "SELECT SUM(total_amount) FROM [Order] " &
            "WHERE CAST(date_time AS DATE) = CAST(GETDATE() AS DATE) " &
            "AND order_status NOT IN ('Verification', 'Pending', 'Cancelled')"

        Dim cmdRev As New SqlCommand(sqlRev, con)
        Dim result = cmdRev.ExecuteScalar()

        If IsDBNull(result) Or result Is Nothing Then
            lblTotalRevenue.Text = "Rs. 0.00"
        Else
            lblTotalRevenue.Text = "Rs. " & Convert.ToDecimal(result).ToString("N2")
        End If

        ' COUNT: Count orders processed (Paid) today
        Dim sqlCount As String = "SELECT COUNT(*) FROM [Order] " &
            "WHERE CAST(date_time AS DATE) = CAST(GETDATE() AS DATE) " &
            "AND order_status = 'Paid'"

        Dim cmdCount As New SqlCommand(sqlCount, con)
        lblMyOrdersCount.Text = cmdCount.ExecuteScalar().ToString()

        Catch ex As Exception
            lblTotalRevenue.Text = "Error"
        Finally
            con.Close()
        End Try
    End Sub
End Class

```

ChefDashboard.aspx

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

<!DOCTYPE html>
<html>
<head runat="server">
  <title>Kitchen Display - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body class="chef-bg">
  <form id="form1" runat="server">
    <asp:ScriptManager ID="SM1" runat="server" />
    <div class="kitchen-container">
      <h1>Incoming Kitchen Orders</h1>

      <asp:UpdatePanel ID="UP1" runat="server" UpdateMode="Conditional">
        <ContentTemplate>
          <asp:Timer ID="tmrRefresh" runat="server" Interval="30000"
OnTick="tmrRefresh_Tick"></asp:Timer>

          <div class="notification-area">
            <asp:Label ID="lblAssignmentMsg" runat="server" Visible="false"
CssClass="status-msg"></asp:Label>
          </div>

          <asp:GridView ID="gvChefOrders" runat="server" AutoGenerateColumns="False"
            CssClass="chef-grid" OnRowCommand="gvChefOrders_RowCommand"
GridLines="None">
            <Columns>
              <asp:BoundField DataField="order_id" HeaderText="Order #" />

              <asp:BoundField DataField="date_time" HeaderText="Time Received"
DataFormatString="{0:hh:mm tt}" />

              <asp:TemplateField HeaderText="Items to Prepare">
                <ItemTemplate>
                  <asp:Label ID="lblItems" runat="server" Text='<%=# Eval("ItemsList") %>'
CssClass="order-items-list"></asp:Label>
                </ItemTemplate>
              </asp:TemplateField>

              <asp:TemplateField HeaderText="Action">
                <ItemTemplate>
                  <asp:Button ID="btnComplete" runat="server" Text="Mark as Ready"
                    CommandName="MarkReady" CommandArgument='<%=# Eval("order_id") %>'
CssClass="btn-ready" />
                </ItemTemplate>
              </asp:TemplateField>
            </Columns>
          </asp:GridView>
        </ContentTemplate>
      </asp:UpdatePanel>
    </div>
  </form>
</body>
</html>
```

```

        </ItemTemplate>
    </asp:TemplateField>
</Columns>
</asp:GridView>
</ContentTemplate>
</asp:UpdatePanel>
</div>
</form>
</body>
</html>

```

[ChefDashboard.aspx.vb](#)

Imports System.Data

Imports System.Data.SqlClient

Partial Class ChefDashboard

Inherits System.Web.UI.Page

' Get connection string once for the class

ReadOnly connString As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

If Session("RoleID") Is Nothing OrElse Session("RoleID").ToString() <> "2" Then

 Response.Redirect("StaffLogin.aspx")

 Exit Sub ' Stop executing the rest of the page load

End If

' 2. Only bind on first load (Timer will handle refreshes)

If Not IsPostBack Then

 BindKitchenOrders()

End If

End Sub

Public Sub BindKitchenOrders()

 Try

 ' Using 'Using' blocks is better for handling database connections safely

 Using con As New SqlConnection(connString)

 ' Using the full query to join items so the Chef knows WHAT to cook

 Dim sql As String = "SELECT O.order_id, O.date_time, " &

 "ISNULL(STRING_AGG(CONCAT(OL.quantity, 'x ', M.product_name), ', '), 'No Items') as

ItemsList " &

 "FROM [Order] O " &

 "JOIN OrderLine OL ON O.order_id = OL.order_id " &

 "JOIN MenuItem M ON OL.product_id = M.product_id " &

 "WHERE O.order_status = 'Paid' " &

 "GROUP BY O.order_id, O.date_time " &

```

"ORDER BY O.date_time ASC"

Dim cmd As New SqlCommand(sql, con)
Dim dt As New DataTable()
Dim sda As New SqlDataAdapter(cmd)

con.Open()
sda.Fill(dt)

' Bind the data
gvChefOrders.DataSource = dt
gvChefOrders.DataBind()

' Feedback if no orders are pending
If dt.Rows.Count = 0 Then
    ' Optional: You could show a "No pending orders" label here
End If
End Using
Catch ex As Exception
    ' Print exact error for debugging
    Response.Write("<div style='color:red;'>SQL Error: " & ex.Message & "</div>")
End Try
End Sub

Protected Sub tmrRefresh_Tick(sender As Object, e As EventArgs)
    BindKitchenOrders()
End Sub

Protected Sub gvChefOrders_RowCommand(sender As Object, e As GridViewCommandEventArgs)
    If e.CommandName = "MarkReady" Then
        Dim orderID As Integer = Convert.ToInt32(e.CommandArgument)
        Dim assignedWaiter As String = ""

        Try
            Using con As New SqlConnection(connString)
                ' We update the status and grab the name of the assigned waiter in one go
                Dim sql As String = "UPDATE [Order] SET " &
                    "order_status = 'Ready', " &
                    "employee_id = (SELECT TOP 1 employee_id FROM Employee WHERE role_id =
4 ORDER BY NEWID()) " &
                    "WHERE order_id = @oid; " &
                    "SELECT E.employee_name FROM Employee E JOIN [Order] O ON
E.employee_id = O.employee_id WHERE O.order_id = @oid"

                Dim cmd As New SqlCommand(sql, con)
                cmd.Parameters.AddWithValue("@oid", orderID)

                con.Open()
                Dim result = cmd.ExecuteScalar()

```

```
    If result IsNot Nothing Then
        assignedWaiter = result.ToString()
    End If
End Using

' Refresh the grid first
BindKitchenOrders()

' THEN set the message so it stays visible
If Not String.IsNullOrEmpty(assignedWaiter) Then
    lblAssignmentMsg.Text = "Order #" & orderID & " is Ready! Assigned to Waiter: " &
assignedWaiter
    lblAssignmentMsg.Visible = True
    lblAssignmentMsg.ForeColor = Drawing.Color.Navy
End If

' Force the update panel to refresh the message area
UP1.Update()

Catch ex As Exception
    lblAssignmentMsg.Text = "Error: " & ex.Message
    lblAssignmentMsg.Visible = True
End Try
End If
End Sub
End Class
```

InventoryDashboard.aspx

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

```
<!DOCTYPE html>
```

```
<html>
```

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

```
  <title>Quick Restock - HHM</title>
```

```
  <link rel="stylesheet" href="style.css" />
```

```
</head>
```

```
<body>
```

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

```
    <div class="navbar">
```

```
      <ul class="nav-list">
```

```
        <li class="logo">HHM</li>
```

```
        <li class="right"><a href="StaffLogin.aspx">Logout</a></li>
```

```
      </ul>
```

```
    </div>
```

```
    <div class="section">
```

```
      <h2>Quick Restock Inventory</h2>
```

```
      <!-- Message label for success/error feedback -->
```

```
      <asp:Label ID="lblMsg" runat="server" Visible="false" Font-Bold="true" Style="display:block;
margin-bottom:15px; padding:10px; border-radius:5px;" />
```

```
      <div class="card">
```

```
        <h3>Log New Shipment</h3>
```

```
        <p>Select an item and quantity. The system will update stock levels.</p>
```

```
        <hr />
```

```
        <br />
```

```
        <label>Supplier:</label>
```

```
        <asp:DropDownList ID="ddlSupplier" runat="server" CssClass="form-control" />
```

```
        <br /><br />
```

```
        <label>Item to Restock:</label>
```

```
        <asp:DropDownList ID="ddlItem" runat="server" CssClass="form-control" />
```

```
        <br /><br />
```

```
        <label>Quantity Received:</label>
```

```
        <asp:TextBox ID="txtQty" runat="server" TextMode="Number" CssClass="form-control"
placeholder="Enter amount" />
```

```
        <br /><br />
```

```
        <asp:Button ID="btnRestock" runat="server" Text="Log Shipment" OnClick="btnRestock_Click"
CssClass="btn-submit" />
```

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

[InventoryDashboard.aspx.vb](#)

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

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

```
    ' Connection string from Web.config
    ReadOnly connStr As String = ConfigurationManager.ConnectionStrings("FFMS").ConnectionString
```

```
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
```

```
        ' Security: Check if user is logged in and has RoleID 5 (Inventory)
        If Session("RoleID") Is Nothing OrElse CInt(Session("RoleID")) <> 5 Then
            Response.Redirect("StaffLogin.aspx")
            Exit Sub
        End If
```

```
        If Not IsPostBack Then
            LoadSuppliers()
            LoadItems()
        End If
    End Sub
```

```
    Sub LoadSuppliers()
        Using con As New SqlConnection(connStr)
            Dim cmd As New SqlCommand("SELECT supplier_id, supplier_name FROM Supplier ORDER BY
supplier_name", con)
            Dim da As New SqlDataAdapter(cmd)
            Dim dt As New DataTable()
            da.Fill(dt)
            ddlSupplier.DataSource = dt
            ddlSupplier.DataTextField = "supplier_name"
            ddlSupplier.DataValueField = "supplier_id"
            ddlSupplier.DataBind()
        End Using
    End Sub
```

```
    Sub LoadItems()
        Using con As New SqlConnection(connStr)
            Dim sql As String = "SELECT item_id, item_name FROM Item"
```

```

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

ddlItem.DataSource = dt
ddlItem.DataTextField = "item_name"
ddlItem.DataValueField = "item_id"
ddlItem.DataBind()
End Using
End Sub

Protected Sub btnRestock_Click(sender As Object, e As EventArgs)
Dim itemId As Integer = CInt(ddlItem.SelectedValue)
Dim supplierId As Integer = CInt(ddlSupplier.SelectedValue)
Dim qty As Decimal

' Validate Quantity input
If Not Decimal.TryParse(txtQty.Text, qty) OrElse qty <= 0 Then
    ShowMessage("Please enter a valid quantity.", True)
    Exit Sub
End If

Try
Using con As New SqlConnection(connStr)
    con.Open()

    ' 1. Fetch Item Price from database
    Dim unitPrice As Decimal = 0
    Using cmdPrice As New SqlCommand("SELECT price FROM Item WHERE item_id = @id",
con)
        cmdPrice.Parameters.AddWithValue("@id", itemId)
        unitPrice = CDec(cmdPrice.ExecuteScalar())
    End Using

    Dim totalCost As Decimal = unitPrice * qty

    ' 2. Start Transaction to keep data consistent
    Using trans = con.BeginTransaction()
        Try
            ' Create Shipment record (Expenses)
            Dim shipmentId As Integer
            Using cmdShip As New SqlCommand(
                "INSERT INTO Shipment (supplier_id, shipment_date, total_cost, status) " &
                "OUTPUT INSERTED.shipment_id VALUES (@sup, GETDATE(), @cost, 'Received')",
con, trans)
                cmdShip.Parameters.AddWithValue("@sup", supplierId)
                cmdShip.Parameters.AddWithValue("@cost", totalCost)
            End Using
        Catch
            trans.Rollback()
        End Try
    End Using
End Try
End Sub

```

```

        shipmentId = CInt(cmdShip.ExecuteScalar())
    End Using

    ' Link Item to Shipment
    Using cmdItemLink As New SqlCommand(
        "INSERT INTO ShipmentItem (shipment_id, item_id, quantity_received, unit_price) " &
        "VALUES (@sid, @iid, @qty, @price)", con, trans)

        cmdItemLink.Parameters.AddWithValue("@sid", shipmentId)
        cmdItemLink.Parameters.AddWithValue("@iid", itemId)
        cmdItemLink.Parameters.AddWithValue("@qty", qty)
        cmdItemLink.Parameters.AddWithValue("@price", unitPrice)
        cmdItemLink.ExecuteNonQuery()
    End Using

    ' Update Inventory Stock
    Using cmdStock As New SqlCommand(
        "UPDATE Item SET quantity_in_stock = quantity_in_stock + @qty WHERE item_id =
@iid", con, trans)

        cmdStock.Parameters.AddWithValue("@qty", qty)
        cmdStock.Parameters.AddWithValue("@iid", itemId)
        cmdStock.ExecuteNonQuery()
    End Using

    trans.Commit()
    ShowMessage(String.Format("✓ Restock Success! Added {0} units. Total Cost: Rs.
{1:N2}", qty, totalCost), False)

    ' Reset UI
    txtQty.Text = ""
    LoadItems()

    Catch ex As Exception
        trans.Rollback()
        Throw ex
    End Try
End Using
End Using
Catch ex As Exception
    ShowMessage("✗ Error: " & ex.Message, True)
End Try
End Sub

Private Sub ShowMessage(msg As String, isError As Boolean)
    lblMsg.Text = msg
    lblMsg.ForeColor = If(isError, Drawing.Color.Red, Drawing.Color.DarkGreen)
    lblMsg.BackColor = If(isError, Drawing.Color.MistyRose, Drawing.Color.Honeydew)
    lblMsg.Visible = True

```

End Sub
End Class

Broast.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Broast.aspx.vb" Inherits="Broast" %>
<!DOCTYPE html>
<html>
<head>
  <title>Broast - HHM</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <div class="navbar">
    <ul class="nav-list">
      <li class="logo">HHM</li>
      <li class="right"><a href="Menu.aspx">Back to Categories</a></li>
      <li class="right"><a href="Cart.aspx"><img alt="shopping cart icon" data-bbox="445 330 465 345"/></a></li>
    </ul>
  </div>

  <div class="section">
    <h2>Broast Menu</h2>
    <form runat="server">
      <asp:Repeater ID="rptBroast" runat="server">
        <ItemTemplate>
          <div class="small-card">
            <h3><%# Eval("product_name") %></h3>
            <p>Price: Rs <%# Eval("price") %></p>
            <label>Qty:</label>
            <asp:TextBox ID="txtQty" runat="server" Text="1" type="number" min="1"></asp:TextBox>
            <asp:Button ID="btnAdd" runat="server" Text="Add to Cart" OnClick="AddToCart_Click"
CommandArgument='<%# Eval("product_id") %>' />
          </div>
        </ItemTemplate>
      </asp:Repeater>
      <asp:Label ID="lblMsg" runat="server" Visible="false" ForeColor="Green"
Font-Bold="true"></asp:Label>
    </form>
  </div>
</body>
</html>
```

[Broast.aspx.vb](#)

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

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

```

Dim con As New SqlConnection(ConfigurationManager.ConnectionStrings("FFMS").ConnectionString)

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    If Not IsPostBack Then
        LoadBroast()
    End If
End Sub

Sub LoadBroast()
    Try
        Dim cmd As New SqlCommand("SELECT * FROM MenuItem WHERE category = 'Broast' AND
availability = 1", con)
        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)
        rptBroast.DataSource = dt
        rptBroast.DataBind()
    Catch ex As Exception
        lblMsg.Text = "✘ Error loading Broast menu."
        lblMsg.Visible = True
    End Try
End Sub

Protected Sub AddToCart_Click(sender As Object, e As EventArgs)
    If Session("UserID") Is Nothing Then
        Response.Redirect("Login.aspx")
        Return
    End If

    Dim productId As Integer = Convert.ToInt32(CType(sender, Button).CommandArgument)
    Dim item As RepeaterItem = CType(CType(sender, Button).NamingContainer, RepeaterItem)
    Dim quantity As Integer = Convert.ToInt32(CType(item.FindControl("txtQty"), TextBox).Text)
    Dim userId As Integer = Convert.ToInt32(Session("UserID"))

    Try
        con.Open()
        Dim orderId As Integer
        Dim cmdCheckOrder As New SqlCommand("SELECT order_id FROM [Order] WHERE
customer_id = @uid AND order_status = 'Pending'", con)
        cmdCheckOrder.Parameters.AddWithValue("@uid", userId)
        Dim result = cmdCheckOrder.ExecuteScalar()

        If result IsNot Nothing Then
            orderId = Convert.ToInt32(result)
        Else
            Dim cmdCreateOrder As New SqlCommand("INSERT INTO [Order] (customer_id, date_time,
order_status) OUTPUT INSERTED.order_id VALUES (@uid, GETDATE(), 'Pending')", con)
            cmdCreateOrder.Parameters.AddWithValue("@uid", userId)
        End If
    End Try

```

```

        orderId = Convert.ToInt32(cmdCreateOrder.ExecuteScalar())
    End If

    Dim cmdLineCheck As New SqlCommand("SELECT quantity FROM OrderLine WHERE order_id
= @oid AND product_id = @pid", con)
    cmdLineCheck.Parameters.AddWithValue("@oid", orderId)
    cmdLineCheck.Parameters.AddWithValue("@pid", productId)
    Dim existingQty = cmdLineCheck.ExecuteScalar()

    If existingQty IsNot Nothing Then
        Dim cmdUpdate As New SqlCommand("UPDATE OrderLine SET quantity = quantity + @qty
WHERE order_id = @oid AND product_id = @pid", con)
        cmdUpdate.Parameters.AddWithValue("@qty", quantity)
        cmdUpdate.Parameters.AddWithValue("@oid", orderId)
        cmdUpdate.Parameters.AddWithValue("@pid", productId)
        cmdUpdate.ExecuteNonQuery()
    Else
        Dim cmdInsert As New SqlCommand("INSERT INTO OrderLine (order_id, product_id, quantity)
VALUES (@oid, @pid, @qty)", con)
        cmdInsert.Parameters.AddWithValue("@oid", orderId)
        cmdInsert.Parameters.AddWithValue("@pid", productId)
        cmdInsert.Parameters.AddWithValue("@qty", quantity)
        cmdInsert.ExecuteNonQuery()
    End If

    lblMsg.Text = "✔ Broast added to cart!"
    lblMsg.Visible = True
    Catch ex As Exception
        lblMsg.Text = "✘ Error: " & ex.Message
        lblMsg.Visible = True
    Finally
        con.Close()
    End Try
End Sub
End Class

```

Pizza.aspx

```

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

<!DOCTYPE html>
<html>
<head runat="server">
    <title>Pizza Menu - HHM</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body class="chef-bg">

```

```

<form id="form1" runat="server">
  <!-- Navbar -->
  <div class="navbar">
    <ul class="nav-list">
      <li class="logo">HHM</li>
      <li class="right"><a href="Menu.aspx">Back to Categories</a></li>
      <li class="right"><a href="Cart.aspx">View Cart 

```

```
        </ContentTemplate>
    </asp:UpdatePanel>
</div>
</form>
</body>
</html>
```

[Pizza.aspx.vb](#)

Imports System.Data

Imports System.Data.SqlClient

Partial Class Pizza

Inherits System.Web.UI.Page

Dim con As New SqlConnection(ConfigurationManager.ConnectionStrings("FFMS").ConnectionString)

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

If Not IsPostBack Then

 lblMsg.Visible = False

 LoadPizza()

End If

End Sub

Sub LoadPizza()

 Try

 ' Ensure 'Pizza' matches the category name in your MenuItem table

 Dim cmd As New SqlCommand("SELECT * FROM MenuItem WHERE category = 'Pizza' AND availability = 1", con)

 Dim da As New SqlDataAdapter(cmd)

 Dim dt As New DataTable()

 da.Fill(dt)

 rptPizza.DataSource = dt

 rptPizza.DataBind()

 Catch ex As Exception

 lblMsg.Text = "✘ Error: Could not load the menu."

 lblMsg.Visible = True

 End Try

End Sub

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

If Session("UserID") Is Nothing Then

 Response.Redirect("Login.aspx")

 Return

End If

Dim productId As Integer = Convert.ToInt32(CType(sender, Button).CommandArgument)

```

Dim item As RepeaterItem = CType(CType(sender, Button).NamingContainer, RepeaterItem)
Dim quantity As Integer = Convert.ToInt32(CType(item.FindControl("txtQty"), TextBox).Text)
Dim userId As Integer = Convert.ToInt32(Session("UserID"))

Try
    con.Open()
    Dim orderId As Integer

    ' 1. Check for Pending Order
    Dim cmdCheckOrder As New SqlCommand("SELECT order_id FROM [Order] WHERE
customer_id = @uid AND order_status = 'Pending'", con)
    cmdCheckOrder.Parameters.AddWithValue("@uid", userId)
    Dim result = cmdCheckOrder.ExecuteScalar()

    If result IsNot Nothing Then
        orderId = Convert.ToInt32(result)
    Else
        ' Create new Order
        Dim cmdCreateOrder As New SqlCommand("INSERT INTO [Order] (customer_id, date_time,
order_status) OUTPUT INSERTED.order_id VALUES (@uid, GETDATE(), 'Pending'", con)
        cmdCreateOrder.Parameters.AddWithValue("@uid", userId)
        orderId = Convert.ToInt32(cmdCreateOrder.ExecuteScalar())
    End If

    ' 2. Update or Insert OrderLine
    Dim cmdLineCheck As New SqlCommand("SELECT quantity FROM OrderLine WHERE order_id
= @oid AND product_id = @pid", con)
    cmdLineCheck.Parameters.AddWithValue("@oid", orderId)
    cmdLineCheck.Parameters.AddWithValue("@pid", productId)
    Dim existingQty = cmdLineCheck.ExecuteScalar()

    If existingQty IsNot Nothing Then
        Dim cmdUpdate As New SqlCommand("UPDATE OrderLine SET quantity = quantity + @qty
WHERE order_id = @oid AND product_id = @pid", con)
        cmdUpdate.Parameters.AddWithValue("@qty", quantity)
        cmdUpdate.Parameters.AddWithValue("@oid", orderId)
        cmdUpdate.Parameters.AddWithValue("@pid", productId)
        cmdUpdate.ExecuteNonQuery()
    Else
        Dim cmdInsert As New SqlCommand("INSERT INTO OrderLine (order_id, product_id, quantity)
VALUES (@oid, @pid, @qty)", con)
        cmdInsert.Parameters.AddWithValue("@oid", orderId)
        cmdInsert.Parameters.AddWithValue("@pid", productId)
        cmdInsert.Parameters.AddWithValue("@qty", quantity)
        cmdInsert.ExecuteNonQuery()
    End If

    lblMsg.Text = "✔ Added to cart!"
    lblMsg.Visible = True

```

```
Catch ex As Exception Imports System.Data
Imports System.Data.SqlClient
```

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

```
Dim con As New
SqlConnection(ConfigurationManager.ConnectionStrings("FFMS").ConnectionString)
```

```
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    If Not IsPostBack Then
        LoadPizza()
    End If
End Sub
```

```
Sub LoadPizza()
    Try
        ' Filter for 'Pizza' category and available items
        Dim cmd As New SqlCommand("SELECT * FROM MenuItem WHERE category = 'Pizza' AND
availability = 1", con)
        Dim da As New SqlDataAdapter(cmd)
        Dim dt As New DataTable()
        da.Fill(dt)

        rptPizza.DataSource = dt
        rptPizza.DataBind()
        Catch ex As Exception
            lblMsg.Text = "✘ Error: Could not load the menu."
            lblMsg.ForeColor = Drawing.Color.Red
        End Try
    End Sub
```

```
Protected Sub AddToCart_Click(sender As Object, e As EventArgs)
    ' 1. Identity Check
    If Session("UserID") Is Nothing Then
        Response.Redirect("Login.aspx")
        Return
    End If
```

```
Dim btn As Button = DirectCast(sender, Button)
Dim productId As Integer = Convert.ToInt32(btn.CommandArgument)
Dim item As RepeaterItem = DirectCast(btn.NamingContainer, RepeaterItem)
Dim quantity As Integer = Convert.ToInt32(DirectCast(item.FindControl("txtQty"), TextBox).Text)
Dim userId As Integer = Convert.ToInt32(Session("UserID"))
```

```
Try
    con.Open()
    Dim orderId As Integer
```

```

' 2. Check for existing Pending order
Dim cmdCheckOrder As New SqlCommand("SELECT order_id FROM [Order] WHERE
customer_id = @uid AND order_status = 'Pending", con)
cmdCheckOrder.Parameters.AddWithValue("@uid", userId)
Dim result = cmdCheckOrder.ExecuteScalar()

If result IsNot Nothing Then
    orderId = Convert.ToInt32(result)
Else
    ' Create new order record
    Dim cmdCreateOrder As New SqlCommand("INSERT INTO [Order] (customer_id, date_time,
order_status, total_amount) OUTPUT INSERTED.order_id VALUES (@uid, GETDATE(), 'Pending', 0)",
con)
    cmdCreateOrder.Parameters.AddWithValue("@uid", userId)
    orderId = Convert.ToInt32(cmdCreateOrder.ExecuteScalar())
End If

' 3. Check if product is already in OrderLine
Dim cmdLineCheck As New SqlCommand("SELECT orderline_id FROM OrderLine WHERE
order_id = @oid AND product_id = @pid", con)
cmdLineCheck.Parameters.AddWithValue("@oid", orderId)
cmdLineCheck.Parameters.AddWithValue("@pid", productId)
Dim lineId = cmdLineCheck.ExecuteScalar()

If lineId IsNot Nothing Then
    ' Update quantity if item exists
    Dim cmdUpdate As New SqlCommand("UPDATE OrderLine SET quantity = quantity + @qty
WHERE orderline_id = @lid", con)
    cmdUpdate.Parameters.AddWithValue("@qty", quantity)
    cmdUpdate.Parameters.AddWithValue("@lid", lineId)
    cmdUpdate.ExecuteNonQuery()
Else
    ' Insert new line item
    Dim cmdInsert As New SqlCommand("INSERT INTO OrderLine (order_id, product_id,
quantity) VALUES (@oid, @pid, @qty)", con)
    cmdInsert.Parameters.AddWithValue("@oid", orderId)
    cmdInsert.Parameters.AddWithValue("@pid", productId)
    cmdInsert.Parameters.AddWithValue("@qty", quantity)
    cmdInsert.ExecuteNonQuery()
End If

' 4. Final Success Feedback
lblMsg.Text = "✓ Product added to cart successfully!"
lblMsg.ForeColor = Drawing.Color.Green

Catch ex As Exception
    lblMsg.Text = "✗ Error: " & ex.Message
    lblMsg.ForeColor = Drawing.Color.Red

```

```
        Finally
            con.Close()
        End Try
    End Sub
End Class
    lblMsg.Text = "✘ Error: " & ex.Message
    lblMsg.Visible = True
    Finally
        con.Close()
    End Try
End Sub
End Class
```

style.css

```
body {
    margin: 0;
    font-family: Arial, sans-serif;
    background-color: #F5FBE6;
}

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

.nav-list li {
    display: inline;
    margin-right: 20px;
}

.nav-list a {
    text-decoration: none;
    color: white;
}

.right {
    float: right;
}

.dropdown {
    display: none;
    position: absolute;
    background-color: #215E61;
    list-style: none;
    padding: 10px;
```

```
}

.menu {
  color: #FE7F2D;
  font-size: 18px;
  cursor: pointer;
}

.menu:hover .dropdown {
  display: block;
}

.dropdown li {
  display: block;
  margin: 5px 0;
}

.section {
  padding: 20px;
}

.section a {
  text-decoration: none;
  color: inherit;
}

h2 {
  color: #233D4D;
}

.box {
  width: 150px;
  height: 80px;
  border: 2px solid #215E61;
  display: inline-block;
  text-align: center;
  line-height: 80px;
  margin: 10px;
  background: white;
}

.box:hover {
  background-color: #FE7F2D;
  color: white;
}

.footer {
  background-color: #233D4D;
  color: white;
}
```

```
text-align: center;
padding: 15px;
margin-top: 80px;
}

.footer a {
  color: #F5FBE6;
  text-decoration: none;
}

header {
  background-color: #233D4D;
  color: white;
  text-align: center;
  padding: 20px;
}

.container {
  padding: 20px;
}

.card {
  background: white;
  border: 2px solid #215E61;
  padding: 20px;
  margin-bottom: 20px;
}

input, select {
  width: 100%;
  padding: 8px;
  margin: 8px 0;
  border: 1px solid #215E61;
}

button {
  background-color: #FE7F2D;
  color: white;
  border: none;
  padding: 8px 12px;
  cursor: pointer;
}

button:hover {
  background-color: #215E61;
}

table {
  width: 100%;
```

```
border-collapse: collapse;
margin-top: 10px;
}

th {
background-color: #233D4D;
color: white;
padding: 10px;
}

td {
padding: 10px;
border-bottom: 1px solid #ccc;
}

.auth-box {
width: 300px;
margin: 80px auto;
background: white;
padding: 40px;
border: 2px solid #215E61;
text-align: center;
}

.auth-box h2 {
color: #233D4D;
}

.auth-box input {
width: 100%;
padding: 8px;
margin: 8px 0;
border: 1px solid #215E61;
}

.auth-box button {
width: 100%;
padding: 8px;
background-color: #FE7F2D;
color: white;
border: none;
cursor: pointer;
}

.auth-box button:hover {
background-color: #215E61;
}

.switch {
```

```
margin-top: 10px;
}

.switch a {
  color: #FE7F2D;
  text-decoration: none;
}

.checkout-btn {
  width: 100%;
  padding: 10px;
  font-size: 16px;
}

/* CHEF */
.chef-bg {
  background-color: #F5FBE6;
}

.kitchen-container {
  width: 95%;
  margin: 30px auto;
  padding: 25px;
  background: white;
  border-radius: 15px;
  box-shadow: 0 8px 20px rgba(35, 61, 77, 0.1);
}

.chef-grid {
  width: 100%;
  border-collapse: collapse;
  margin-top: 20px;
  border-radius: 10px;
  overflow: hidden;
}

.chef-grid th {
  background-color: #233D4D;
  color: #F5FBE6;
  padding: 18px;
  text-transform: uppercase;
  letter-spacing: 1px;
  font-size: 0.9em;
  border: none;
}

.chef-grid td {
  padding: 20px;
  border-bottom: 1px solid #eee;
}
```

```
        color: #233D4D;
        font-size: 1.1em;
    }

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

.order-items-list {
    color: #b22222;
    font-weight: bold;
    display: block;
    line-height: 1.4;
}

.btn-ready {
    background-color: #FE7F2D !important;
    color: white !important;
    padding: 12px 24px;
    border: none;
    border-radius: 8px;
    font-weight: bold;
    text-transform: uppercase;
    cursor: pointer;
    transition: 0.3s ease;
}

    .btn-ready:hover {
        background-color: #233D4D !important;
        transform: translateY(-2px);
        box-shadow: 0 4px 8px rgba(0,0,0,0.2);
    }

.status-msg {
    display: block;
    padding: 15px;
    margin-bottom: 20px;
    background-color: #F5FBE6;
    border-left: 5px solid #FE7F2D;
    color: #233D4D;
    font-weight: bold;
    border-radius: 4px;
}

.portal-selection {
    text-align: center;
    padding-top: 100px;
}
```

```
.portal-selection h1 {
  color: #233D4D;
  font-size: 2.5em;
  margin-bottom: 40px;
}

.choice-grid {
  display: flex;
  gap: 40px;
  justify-content: center;
}

.choice-box {
  background: white;
  border: 2px solid #215E61;
  border-radius: 12px;
  padding: 40px;
  width: 280px;
  text-decoration: none;
  color: #233D4D;
  display: block;
  transition: all 0.3s ease;
}

.choice-box:hover {
  background-color: #FE7F2D;
  color: white;
  transform: translateY(-10px);
  border-color: #FE7F2D;
}

.choice-box h2 {
  color: inherit;
  margin: 15px 0;
}

.choice-box p {
  font-size: 0.9em;
  opacity: 0.8;
}

.icon {
  font-size: 60px;
  margin-bottom: 10px;
}

/* CASHIER */
.cashier-portal .kitchen-container {
  max-width: 1100px;
}
```

```
margin: 30px auto;
background: #ffffff;
padding: 35px;
border-radius: 20px;
box-shadow: 0 15px 35px rgba(35, 61, 77, 0.1);
border-top: 8px solid #FE7F2D;
}

.cashier-portal .dash-title {
color: #233D4D;
font-size: 28px;
margin-bottom: 25px;
font-weight: 800;
letter-spacing: -0.5px;
}

.cashier-portal .cashier-nav {
display: flex;
background: #f0f3f5; /* Light gray-blue track */
padding: 6px;
border-radius: 14px;
margin-bottom: 35px;
gap: 8px;
border: 1px solid #e1e8ed;
}

.cashier-portal .nav-item {
flex: 1;
padding: 14px 20px;
text-align: center;
text-decoration: none;
color: #546e7a;
font-weight: 700;
font-size: 15px;
border-radius: 10px;
transition: all 0.25s cubic-bezier(0.4, 0, 0.2, 1);
display: flex;
align-items: center;
justify-content: center;
gap: 10px;
}

.cashier-portal .nav-item:hover {
background: rgba(255, 255, 255, 0.6);
color: #233D4D;
}

.cashier-portal .active-tab {
background: #233D4D !important; /* Dark Navy for the selected tab */
```

```
    color: #ffffff !important;
    box-shadow: 0 4px 12px rgba(35, 61, 77, 0.25);
}

.cashier-portal .stats-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(240px, 1fr));
  gap: 25px;
  margin-bottom: 30px;
}

.cashier-portal .stat-card {
  background: #ffffff;
  padding: 25px;
  border-radius: 16px;
  text-align: left;
  border: 1px solid #edf2f7;
  box-shadow: 0 4px 6px rgba(0,0,0,0.02);
  transition: transform 0.3s ease;
}

.cashier-portal .stat-card:hover {
  transform: translateY(-5px);
}

.cashier-portal .stat-label {
  color: #718096;
  font-size: 13px;
  text-transform: uppercase;
  font-weight: 700;
  letter-spacing: 0.5px;
  display: block;
  margin-bottom: 8px;
}

.cashier-portal .stat-value {
  color: #233D4D;
  font-size: 32px;
  font-weight: 800;
  margin: 0;
}

.cashier-portal .view-header {
  margin-bottom: 20px;
  border-bottom: 2px solid #f0f3f5;
  padding-bottom: 15px;
}

.cashier-portal .view-header h3 {
```

```
margin: 0;
color: #233D4D;
font-size: 20px;
}

.cashier-portal .view-header p {
color: #718096;
margin: 5px 0 0 0;
font-size: 14px;
}

.cashier-portal .price-tag {
font-family: 'Courier New', Courier, monospace;
font-weight: 700;
color: #2d3748;
background: #edf2f7;
padding: 4px 8px;
border-radius: 4px;
}

.cashier-portal .btn-approve {
background: #FE7F2D;
color: white;
border: none;
padding: 10px 20px;
border-radius: 8px;
font-weight: 700;
text-transform: uppercase;
font-size: 12px;
cursor: pointer;
transition: all 0.2s ease;
letter-spacing: 0.5px;
}

.cashier-portal .btn-approve:hover {
background: #233D4D;
box-shadow: 0 4px 10px rgba(254, 127, 45, 0.2);
}

.cashier-portal .details-panel {
background: #f8fafc;
padding: 25px;
margin-top: 25px;
border-radius: 12px;
border: 1px solid #e2e8f0;
border-left: 6px solid #FE7F2D;
}
/* CASHIER END */
.small-card {
```

```
width: 240px;
display: inline-block;
margin: 15px;
background: white;
border: 1px solid #e1e8ed;
padding: 25px;
border-radius: 12px;
transition: 0.3s;
box-shadow: 0 4px 6px rgba(0,0,0,0.05);
text-align: center;
}

.small-card:hover {
  transform: translateY(-5px);
  box-shadow: 0 10px 20px rgba(35, 61, 77, 0.1);
  border-color: #FE7F2D;
}

.btn-fake {
  display: inline-block;
  margin-top: 15px;
  background-color: #FE7F2D;
  color: white;
  padding: 8px 20px;
  border-radius: 5px;
  font-size: 0.9em;
  font-weight: bold;
}

.navbar {
  background-color: #233D4D;
  width: 100%;
  padding: 15px 0;
  display: flex;
  justify-content: center;
}

.nav-container {
  width: 90%;
  display: flex;
  justify-content: space-between;
  align-items: center;
}

.nav-left, .nav-right {
  display: flex;
  align-items: center;
  gap: 25px;
}
```

```
.nav-link {
  color: white;
  text-decoration: none;
  font-weight: bold;
  font-size: 16px;
}

.logo {
  font-size: 24px;
  font-weight: bold;
  color: #FE7F2D;
  letter-spacing: 2px;
  margin-right: 10px;
}

.search-area {
  background-color: #F5FBE6; /* Matches your body color exactly */
  padding: 40px 0;
  display: flex;
  justify-content: center;
}

.search-box {
  display: flex;
  align-items: center;
  background: white;
  width: 50%;
  max-width: 600px;
  padding: 5px 20px;
  border-radius: 30px;
  border: 2px solid #215E61;
  box-shadow: 0 4px 10px rgba(0,0,0,0.05);
}

.search-input {
  flex: 1;
  border: none !important; /* Removes the boxy borders */
  outline: none;
  padding: 12px;
  font-size: 16px;
  background: transparent;
}

.search-icon-btn {
  text-decoration: none;
  font-size: 20px;
  color: #FE7F2D;
  padding: 0 10px;
}
```

```
    transition: 0.3s;
  }

  .search-icon-btn:hover {
    color: #233D4D;
  }

.category-grid {
  display: flex;
  flex-wrap: wrap;
  justify-content: center;
  gap: 20px;
  padding: 20px;
}

.btn-orange-search {
  background-color: #FE7F2D;
  color: white;
  border: none;
  padding: 10px 15px;
  width: 100%;
  font-weight: bold;
  cursor: pointer;
  border-radius: 5px;
  margin-top: 10px;
  transition: 0.3s;
}

  .btn-orange-search:hover {
    background-color: #233D4D;
  }

.qty-input {
  width: 100%;
  padding: 8px;
  margin: 5px 0 10px 0;
  border: 1px solid #215E61;
  border-radius: 4px;
  text-align: center;
}

.cart-controls {
  text-align: left;
  padding: 10px;
}
```

