



LAB-3

Course:

Internet Application Development(CIS-305L)

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Consider the Pine Valley Furniture Company database designed and implemented using structured query language during previous semester. Try to recall major relations in the database (CUSTOMER_T, ORDER_T, ORDER_LINE_T, and PRODUCT_T).

There is a need to implement a web-based solution with incorporate following functionalities:

- i) New Customer Registration
- ii) Searching of Products
- iii) Products Selection and Order Placement
- iv) Product Catalog Update
- v) Payment Provision

.aspx code:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="WebForm1.aspx.vb" Inherits="WebForm1" %>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Pine Valley Furniture</title>
```

```
  <link rel="stylesheet" href="styles.css">
```

```
  <script src="scripts.js"></script>
```

```
</head>
```

```
<body>
```

```
  <!-- Navigation Bar -->
```

```
  <nav runat="server">
```

```
    <a href="#" onclick="showForm('loginForm')">Customer Login</a>
```

```
    <a href="#" onclick="showForm('searchForm')">Searching of Products</a>
```

```
    <a href="#" onclick="showForm('orderForm')">Products Selection and Order  
Placement</a>
```

```
    <a href="#" onclick="showForm('catalogForm')">Product Catalog Update</a>
```

```
    <a href="#" onclick="showForm('paymentForm')">Payment Provision</a>
```

```
  </nav>
```

```
  <!-- Server-side Form -->
```

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

```
    <!-- Form Containers -->
```

```
    <div class="form-container" id="loginForm">
```

```

<!-- User Login Form -->
<h2>User Login</h2>
<label for="username">Username:</label>
<input type="text" id="username" name="username" required>
<label for="password">Password:</label>
<input type="password" id="password" name="password" required>

<!-- Signup Button -->
<input type="submit" value="Sign up" class="signup-btn"
onclick="showForm('registrationForm')"><br /><br />
<input type="submit" value="Login" class="login-btn">

</div>

<div class="form-container" id="registrationForm" style="display: none;">
<!-- New Customer Registration Form -->
<h2>New Customer Registration</h2>
<label for="name">Name:</label>
<input type="text" id="name" name="name" required pattern="[A-Za-z\s]+"
title="Please enter a valid name">
<label for="email">Email:</label>
<input type="email" id="email" name="email" required>
<label for="address">Address:</label>
<input type="text" id="address" name="address" required pattern="[A-Za-z0-9\s]+"
title="Please enter a valid address">
<label for="city">City:</label>
<input type="text" id="city" name="city" required pattern="[A-Za-z0-9\s]+"
title="Please enter a valid city name (letters, digits, and spaces only)">
<label for="state">State:</label>
<input type="text" id="state" name="state" required pattern="[A-Za-z0-9\s]+"
title="Please enter a valid state name (letters, digits, and spaces only)">
<label for="password">Password:</label>
<input type="password" id="password" name="password" required
pattern="^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[!@#\$%^&*]).{8,}$" title="Password must
contain at least one digit, one lowercase letter, one uppercase letter, one special character, and be
at least 8 characters long">

<input type="submit" value="Register">
</div>

<div class="form-container" id="searchForm">
<!-- Searching of Products Form -->
<h2>Searching of Products</h2>
<label for="productID">Product ID:</label>
<input type="text" id="productID" name="productID" required>

```

```
<input type="submit" value="Search">
</div>
```

```
<div class="form-container" id="orderForm">
  <!-- Products Selection and Order Placement Form -->
  <h2>Products Selection and Order Placement</h2>
  <!-- Product selection options here -->
  <label for="productName">Select Product:</label>
  <input type="text" id="productName" name="productName" required>
  <label for="quantity">Quantity:</label>
  <input type="number" id="quantity" name="quantity">
  <input type="submit" value="Order">
  <div class="product-item">
    <h3>Box to display status of products ordered</h3>
  </div>
</div>
```

```
<div class="form-container" id="catalogForm">
  <!-- Product Catalog Update Form -->
  <h2>Product Catalog Update</h2>
  <!-- Catalog update fields here -->
  <div class="add-product-container">
    <h2>Add product</h2>
    <label for="productId">Product Id:</label>
    <asp:TextBox ID="productId" runat="server" CssClass="form-
group"></asp:TextBox>
    <label for="productLineId">ProductLine Id:</label>
    <asp:TextBox ID="productLineId" runat="server" CssClass="form-
group"></asp:TextBox>
    <label for="productDescription">Product Description:</label>
    <asp:TextBox ID="productDescription" runat="server" CssClass="form-
group"></asp:TextBox>
    <label for="productExpiryDate">Product Expiry Date:</label>
    <asp:TextBox ID="productExpiryDate" runat="server" CssClass="form-
group"></asp:TextBox>
    <label for="ProductPrice">ProductPrice:</label>
    <asp:TextBox ID="ProductPrice" runat="server" CssClass="form-
group"></asp:TextBox>
    <asp:Button ID="btnAddProduct" runat="server" Text="Add Product" CssClass="add-
product-btn" />
  </div>
</div>
```

```
<div class="form-container" id="paymentForm">
  <!-- Payment Provision Form -->
  <h2>Payment Provision</h2>
```

```

    <label for="cardNumber">Card Number:</label>
    <input type="text" id="cardNumber" name="cardNumber" required pattern="^(?:4[0-9]{12}(?:[0-9]{3})?[25][1-7][0-9]{14}|6(?:011|5[0-9][0-9])[0-9]{12}|3[47][0-9]{13}|3(?:0[0-5]||68|[0-9])[0-9]{11}|(?:2131|1800|35\d{3})\d{11})$" title="Please enter a valid credit card number">

    <label for="expiryDate">Expiry Date:</label>
    <input type="text" id="expiryDate" name="expiryDate" required pattern="^(0[1-9]|1[0-2])\d{2}$" title="Please enter a valid expiry date in the format MM/YY">

    <label for="cvv">CVV:</label>
    <input type="text" id="cvv" name="cvv" required pattern="^[0-9]{3,4}$" title="Please enter a valid CVV code">

    <input type="submit" value="Proceed to Payment">
  </div>
</form>

<script src="scripts.js"></script>
</body>

</html>

```

.css code:

```

/* Color Scheme */
:root {
  --primary-color: #124076;
  --secondary-color: #228be6;
  --tertiary-color: #a5d8ff;
  --quaternary-color: #d0ebff;
}

body {
  background-color: var(--quaternary-color);
}

/* CSS Styles for navigation bar */
nav {
  background-color: var(--primary-color);
  overflow: hidden;
  width: 1249px;
  border-radius: 5px 8px;
}

```

```
nav a {
  float: left;
  display: block;
  color: white;
  text-align: center;
  padding: 14px 20px;
  text-decoration: none;
  font-weight: bold;
  border-radius: 70px 80px;
  transition: background-color 0.3s ease;
}

nav a:hover {
  background-color: var(--secondary-color);
  color: var(--primary-color);
}

/* CSS Styles for form layout */
.form-container {
  display: none; /* Hide all forms by default */
  margin: 20px auto; /* Center forms horizontally */
  max-width: 500px; /* Limit form width */
  background-color: var(--tertiary-color);
  padding: 20px;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
}

.form-container h2 {
  color: var(--primary-color);
  text-align: center;
}

.form-container label {
  display: block;
  margin-bottom: 10px;
  color: var(--primary-color);
  font-weight: bold;
}

.form-container input[type="text"],
.form-container input[type="email"],
.form-container input[type="password"],
.form-container input[type="number"],
.form-container button {
  width: calc(100% - 40px); /* Adjust width for padding */
}
```

```
padding: 10px;
border: 1px solid var(--primary-color);
border-radius: 6px;
box-sizing: border-box;
margin-bottom: 15px;
background-color: white;
}

.form-container input[type="submit"].login-btn {
background-color: var(--secondary-color);
color: white;
border: none;
cursor: pointer;
transition: background-color 0.3s ease;
padding: 12px 10px; /* Adjust padding to add gap */
border-radius: 4px;
margin-right: 10px; /* Add margin to create gap */
display: inline-block; /* Display buttons inline */
}

.form-container input[type="submit"].signup-btn {
background-color: var(--secondary-color);
color: white;
border: none;
cursor: pointer;
transition: background-color 0.3s ease;
padding: 12px 20px;
border-radius: 4px;
display: inline-block; /* Display buttons inline */
}

.form-container input[type="submit"],
.form-container button {
background-color: var(--secondary-color);
color: white;
border: none;
cursor: pointer;
transition: background-color 0.3s ease;
padding: 12px 20px;
border-radius: 4px;
margin: 0 auto;
display: block;
}

.form-container input[type="submit"]:hover,
.form-container button:hover {
```

```
background-color: var(--quaternary-color);
}
```

.aspx.vb code:

```
Partial Class WebForm1
```

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

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

```
End Sub
```

```
End Class
```

.js code:

```
function showForm(formId) {
```

```
// Hide all form containers
```

```
var forms = document.querySelectorAll('.form-container');
```

```
for (var i = 0; i < forms.length; i++) {
```

```
forms[i].style.display = 'none';
```

```
}
```

```
// Show the clicked form container
```

```
document.getElementById(formId).style.display = 'block';
```

```
}
```

OUTPUTS:

Pine Valley Furniture x Microsoft Edge | What's New x +

localhost:50373/WebForm1.aspx#

Customer Login Searching of Products Products Selection and Order Placement Product Catalog Update Payment Provision

User Login

Username:

Password:

Sign up

Login