

Pakistan Institute of Engineering and Applied Sciences



Report

Lab-03: HTML Base Web Prototype For PVFC Project

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Registration No: 03-3-1-033-2022

Course Name: Internet application development

Instructor: Dr. Irfan Hameed

Task: 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 for above mentioned database. The web based solution must incorporate following functionalities:

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

As a first step design above mentioned (i) to (v) user interfaces using paper and pencil.

Next write appropriate html for creating (i) to (v) user interface prototypes.

Create links for navigation among above pages.

Design a menu using list and styles.

Add help pages for user guidance.

Either use table for layout or may opt for flow based layout.

Test user interface prototypes in browser.

Experiment with style sheets.

home.html:

```
<!DOCTYPE html>

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

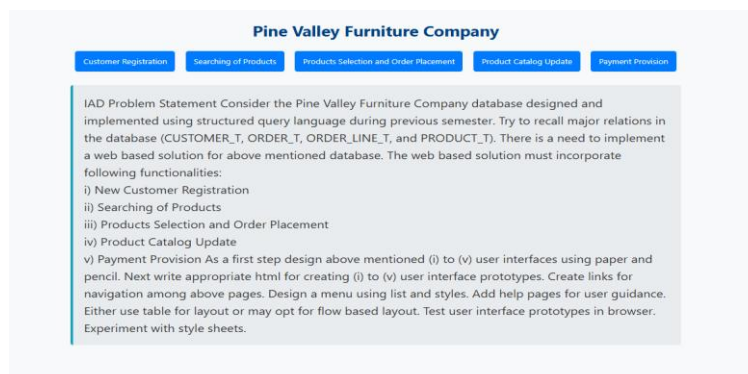
<head>
  <meta charset="utf-8" />
  <title>PVFC</title>
  <link rel="stylesheet" href="stylesheet.css" type="text/css" />
</head>

<body>
  <div>
    <h1>Pine Valley Furniture Company</h1>
```

```

<ul>
  <li><a href="Customer_reg.html">Customer Registration</a></li>
  <li><a href="Searching_product.html">Searching of Products</a></li>
  <li><a href="Product_Selection_order.html">Products Selection and Order
Placement</a></li>
  <li><a href="Product_catalog_update.html">Product Catalog
Update</a></li>
  <li><a href="payment_provision.html">Payment Provision</a></li>
</ul>
</div>
<div>
  <p>
    IAD Problem Statement
    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 for above mentioned
    database. The web based solution must
    incorporate following functionalities:
    <br>i) New Customer Registration
    <br>ii) Searching of Products
    <br>iii) Products Selection and Order Placement
    <br>iv) Product Catalog Update
    <br>v) Payment Provision
    As a first step design above mentioned (i) to (v) user interfaces using
    paper and pencil.
    Next write appropriate html for creating (i) to (v) user interface
    prototypes.
    Create links for navigation among above pages.
    Design a menu using list and styles.
    Add help pages for user guidance.
    Either use table for layout or may opt for flow based layout.
    Test user interface prototypes in browser.
    Experiment with style sheets.
  </p>
</div>
</body>
</html>

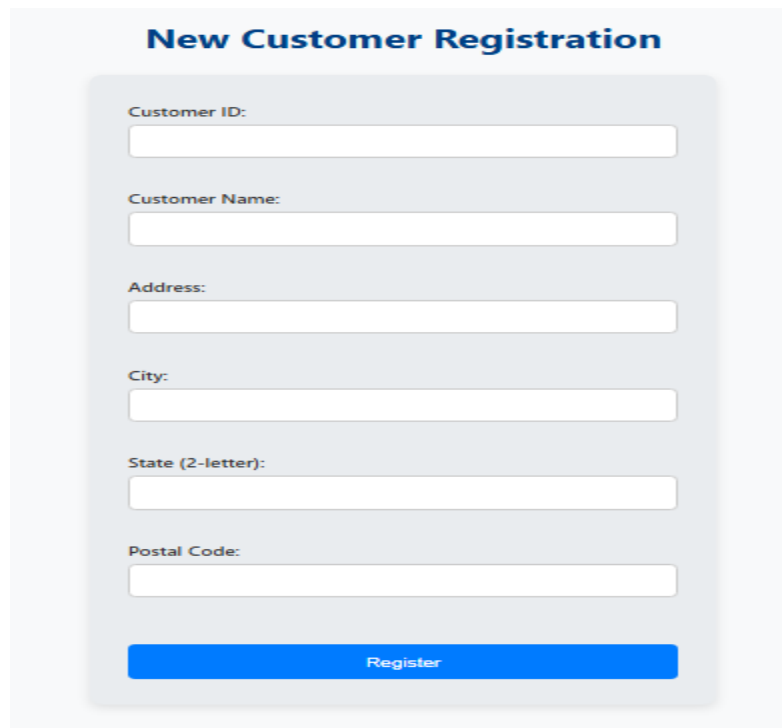
```

Output:

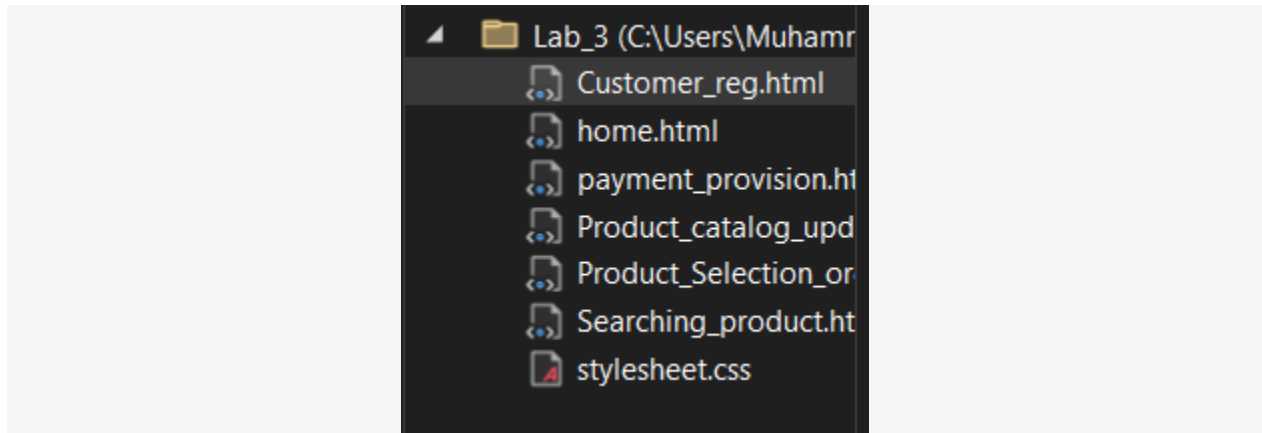
Customer_reg.html:

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta charset="utf-8" />
  <title>New Customer Registration</title>
  <link rel="stylesheet" href="stylesheet.css" type="text/css" />
</head>
<body>
  <h1>New Customer Registration</h1>
  <form class="registration-form" action="">
    <label>Customer ID: <input type="text" name="customer_id" class="input-data"
required /></label><br>
    <label>Customer Name: <input type="text" name="name" class="input-data" required
/></label><br>
    <label>Address: <input type="text" name="address" class="input-data" required
/></label><br>
    <label>City: <input type="text" name="city" class="input-data" /></label><br>
    <label>State (2-letter): <input type="text" name="state" class="input-data"
maxlength="2" /></label><br>
    <label>Postal Code: <input type="text" name="postal_code" class="input-data"
/></label><br>
    <button class="submit-button" type="submit">Register</button>
  </form>
</body>
</html>
```

Output:

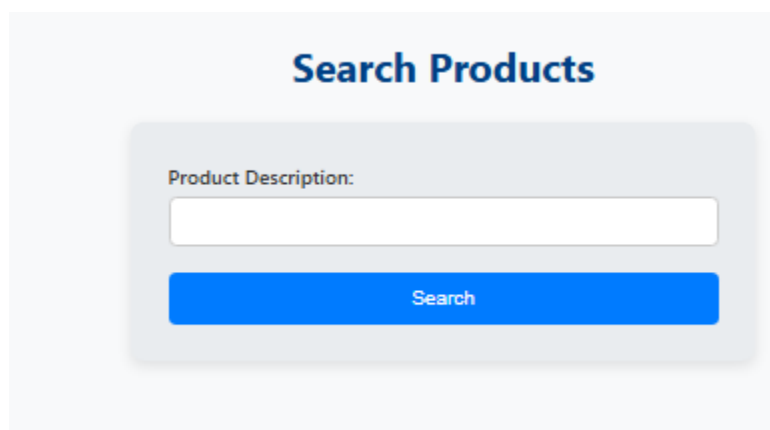
The screenshot displays a web form titled "New Customer Registration" in a bold, dark blue font. The form is contained within a light gray rounded rectangle. It features six input fields, each preceded by a label: "Customer ID:", "Customer Name:", "Address:", "City:", "State (2-letter):", and "Postal Code:". The "State" and "Postal Code" fields are restricted to two characters. At the bottom of the form is a prominent blue button labeled "Register" in white text.

Folder structure:**Searching_product.html:**

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta charset="utf-8" />
  <title>Searching Product</title>
  <link rel="stylesheet" href="stylesheet.css" type="text/css" />
</head>
<body>
  <h1>Search Products</h1>
  <form class="registration-form" action="">
    <label>Product Description: <input type="text" name="description"
class="input-data"/></label>
    <button type="submit" class="submit-button">Search</button>
  </form>

</body>
</html>
```

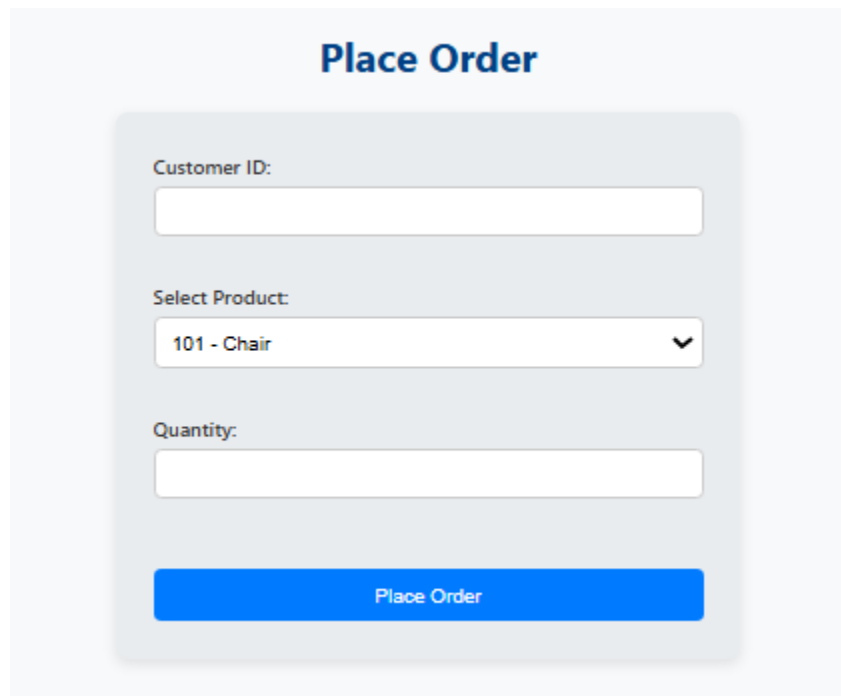
Output:

Product_Selection_order.html:

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta charset="utf-8" />
  <title>Order placement </title>
  <link rel="stylesheet" href="stylesheet.css" />
</head>
<body>
  <h1>Place Order</h1>
  <form class="registration-form" action="">
    <label>Customer ID: <input type="text" name="customer_id" class="input-data"
required /></label><br>
    <label>Select Product:
      <select name="product_id" class="input-data" required>
        <option value="101">101 - Chair</option>
        <option value="102">102 - Table</option>
        <option value="103">103 - Sofa</option>
        <option value="104">104 - Bed</option>
      </select>
    </label><br>
    <label>Quantity: <input type="number" name="quantity" class="input-data"
required /></label><br>
    <button type="submit" class="submit-button">Place Order</button>
  </form>

</body>
</html>
```

Output:

Place Order

Customer ID:

Select Product:

Quantity:

Product_catalog_update.html:

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta charset="utf-8" />
  <title>Product Catalog Update</title>
  <link rel="stylesheet" href="stylesheet.css" />
</head>
<body>
  <h1>Update Product Catalog</h1>
  <form class="registration-form" action="">
    <label>Product ID: <input type="text" name="product_id" class="input-data"
required /></label><br>
    <button type="submit" class="find-button">Find Product</button>
    <label>Product Line ID: <input type="number" name="product_line_id"
class="input-data" placeholder="selected product data appears here to edit"
/></label><br>
    <label>Description: <input type="text" name="description" class="input-data"
placeholder="selected product data appears here to edit"/></label><br>
    <label>Finish: <input type="text" name="finish" class="input-data"
placeholder="selected product data appears here to edit"/></label><br>
    <label>Standard Price: <input type="number" name="price" step="0.01"
class="input-data" placeholder="selected product data appears here to
edit"/></label><br>
    <button type="submit" class="submit-button">Update</button>
  </form>

</body>
</html>
```

Output:

The screenshot displays a web form titled "Update Product Catalog" in a bold, dark blue font. The form is contained within a light gray rounded rectangle. It features five input fields, each preceded by a label: "Product ID:", "Product Line ID:", "Description:", "Finish:", and "Standard Price:". The "Product ID" field is a simple text input. The "Product Line ID" field is a number input with a placeholder text "selected product data appears here to edit". The "Description", "Finish", and "Standard Price" fields are text inputs, each with the same placeholder text. Between the "Product ID" and "Product Line ID" fields is a blue button labeled "Find Product". At the bottom of the form is a larger blue button labeled "Update".

payment_provision.html:

```
<!DOCTYPE html>

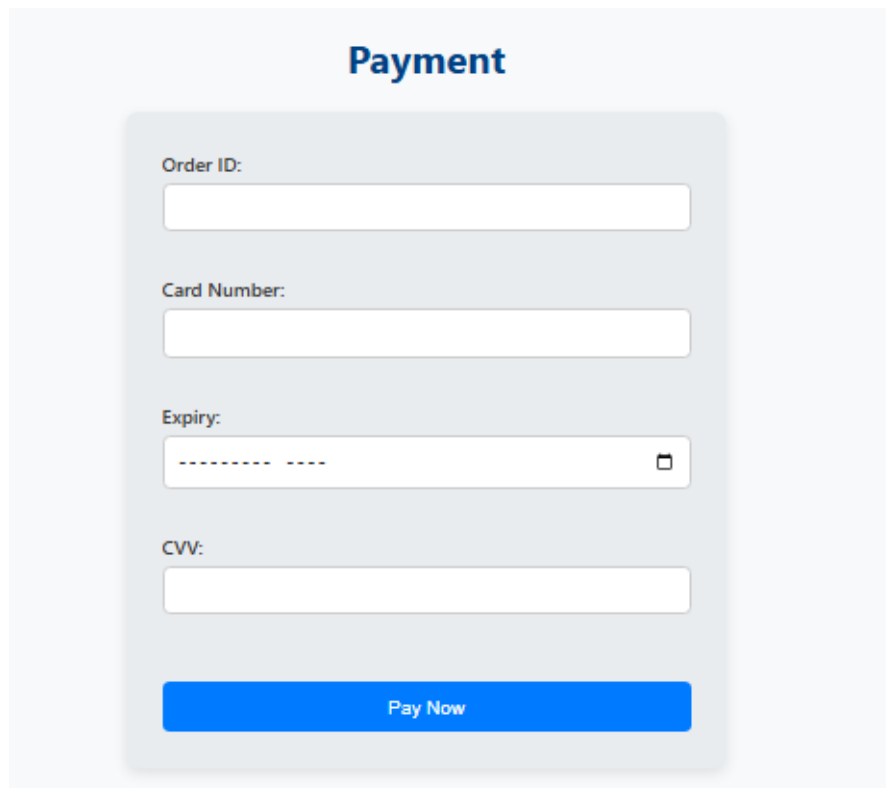
<html lang="en" xmlns="http://www.w3.org/1999/xhtml">

<head>
  <meta charset="utf-8" />
  <title>Payment Provision</title>
  <link rel="stylesheet" href="stylesheet.css" />
</head>

<body>
  <h1>Payment</h1>
  <form class="registration-form" action="">
    <label>Order ID: <input type="text" name="order_id" class="input-data" required
  /></label><br>
    <label>Card Number: <input type="text" name="card" class="input-data"
  /></label><br>
    <label>Expiry: <input type="month" name="expiry" class="input-
  data"/></label><br>
    <label>CVV: <input type="password" name="cvv" class="input-data"/></label><br>
    <button type="submit" class="submit-button">Pay Now</button>
  </form>

</body>

</html>
```

Output:

The screenshot displays a web form titled "Payment" in a bold, dark blue font. The form is contained within a light gray rounded rectangle. It features four input fields: "Order ID:" (a standard text input), "Card Number:" (a standard text input), "Expiry:" (a month/year selector with a calendar icon), and "CVV:" (a password input). A blue "Pay Now" button is positioned at the bottom of the form.

stylesheet.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  background-color: #f8f9fa;
  color: #333;
  line-height: 1.6;
  padding: 20px;
  max-height: 100vh;
}

h1 {
  color: #004085;
  margin-bottom: 20px;
  text-align: center;
  font-size: 2rem;
}

ul {
  list-style-type: none;
  margin-bottom: 30px;
  display: flex;
  justify-content: center;
  gap: 20px;
  flex-wrap: wrap;
}

li a {
  display: block;
  padding: 10px 15px;
  text-decoration: none;
  background-color: #007bff;
  color: white;
  border-radius: 5px;
  transition: background-color 0.3s ease;
}

li a:hover {
  background-color: #0056b3;
}

p {
  background-color: #e9ecef;
  padding: 20px;
  border-left: 5px solid #17a2b8;
  border-radius: 5px;
  font-size: 1.5rem;
  max-width: 1143px;
  margin: 0 auto;
}

.registration-form {
```

```
    max-width: 500px;
    margin: 0 auto;
    background-color: #E9ECEF;
    padding: 30px;
    border-radius: 10px;
    box-shadow: 0 4px 10px rgba(0,0,0,0.1);
}

.registration-form label {
    display: block;
    margin-bottom: 10px;
    font-weight: 500;
    color: #333;
}

.registration-form .input-data {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 6px;
    margin-top: 3px;
    font-size: 1rem;
}

.submit-button {
    display: block;
    width: 100%;
    background-color: #007bff;
    color: #fff;
    padding: 12px;
    border: none;
    border-radius: 6px;
    font-size: 1rem;
    cursor: pointer;
    margin-top: 20px;
    transition: background-color 0.3s ease;
}

.submit-button:hover {
    background-color: #0056b3;
}

.find-button {
    display: block;
    width: 100%;
    background-color: #007bff;
    color: #fff;
    padding: 12px;
    border: none;
    border-radius: 6px;
    font-size: 1rem;
    cursor: pointer;
    margin-bottom: 20px;
    transition: background-color 0.3s ease;
}

.find-button:hover {
    background-color: #0056b3;
}
```