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:

```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>
```

```html
        <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>
```
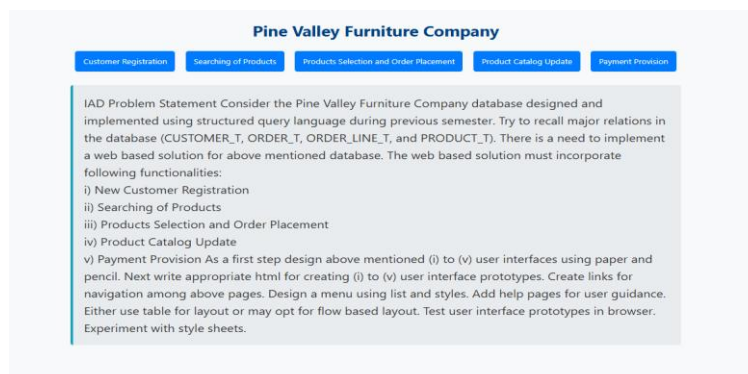
Output:

Customer_reg.html:

```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>
```
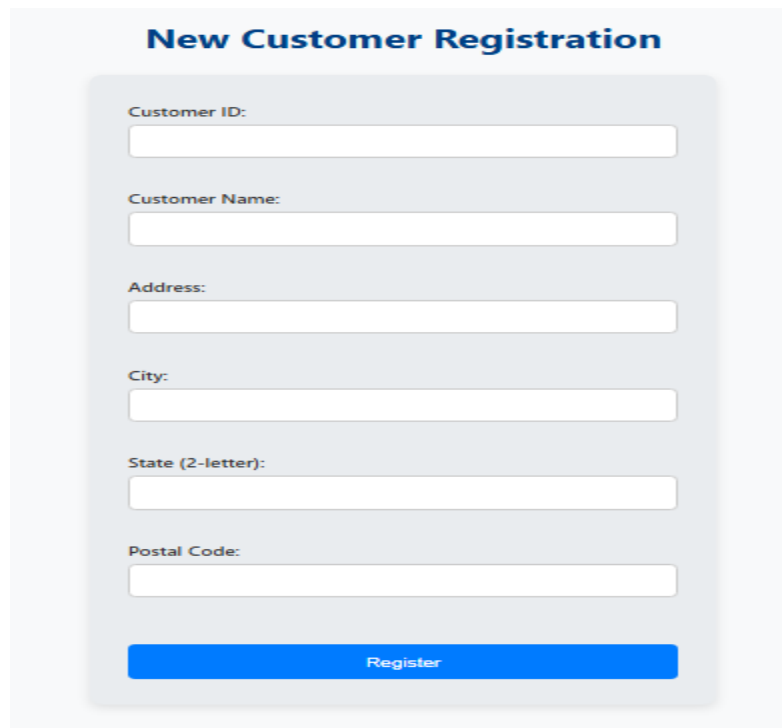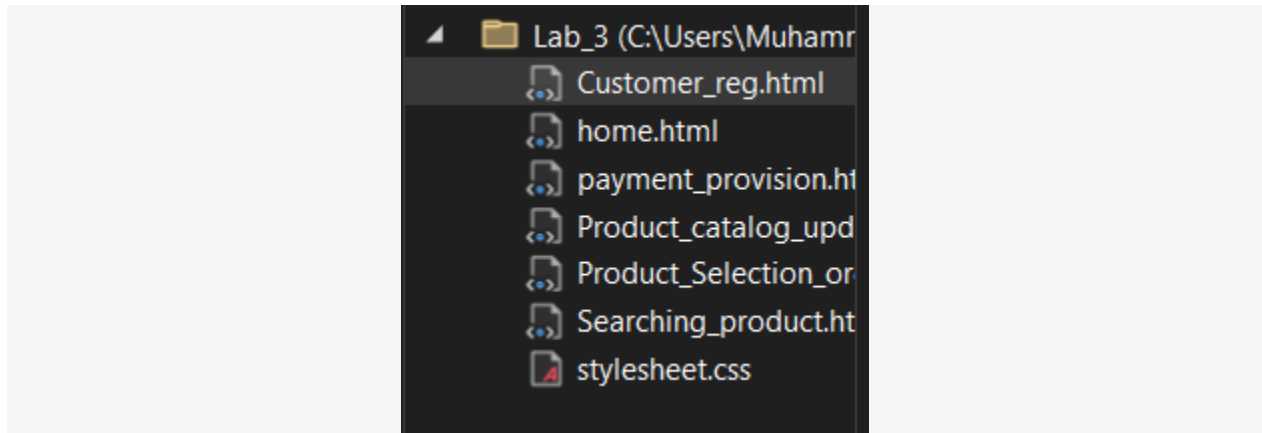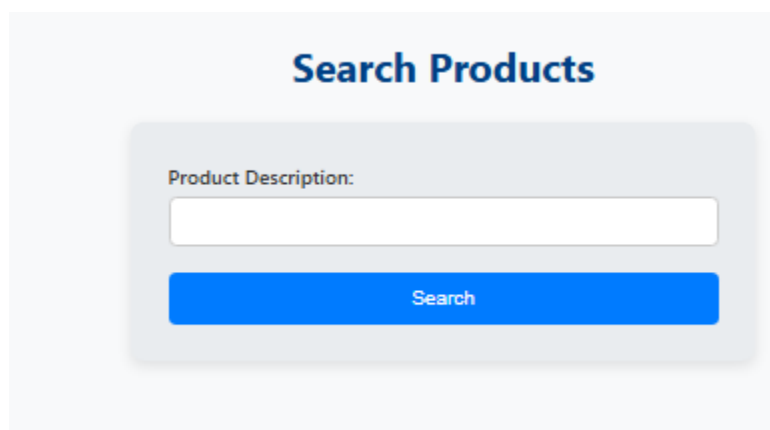
Output:

Folder structure:

Searching_product.html:

```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:

```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>
```
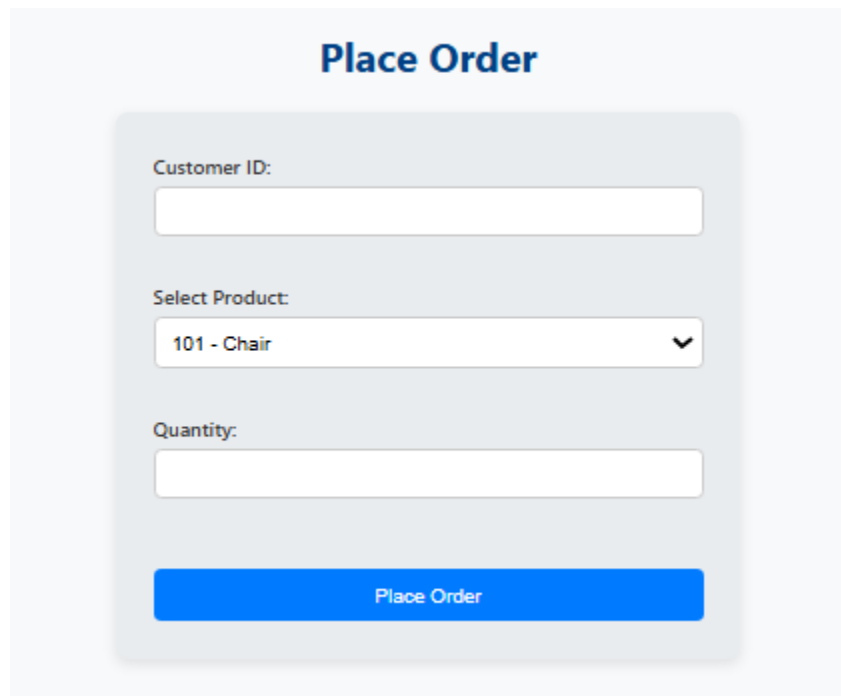
Output:

Product_catalog_update.html:

```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:

payment_provision.html:

```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>
```
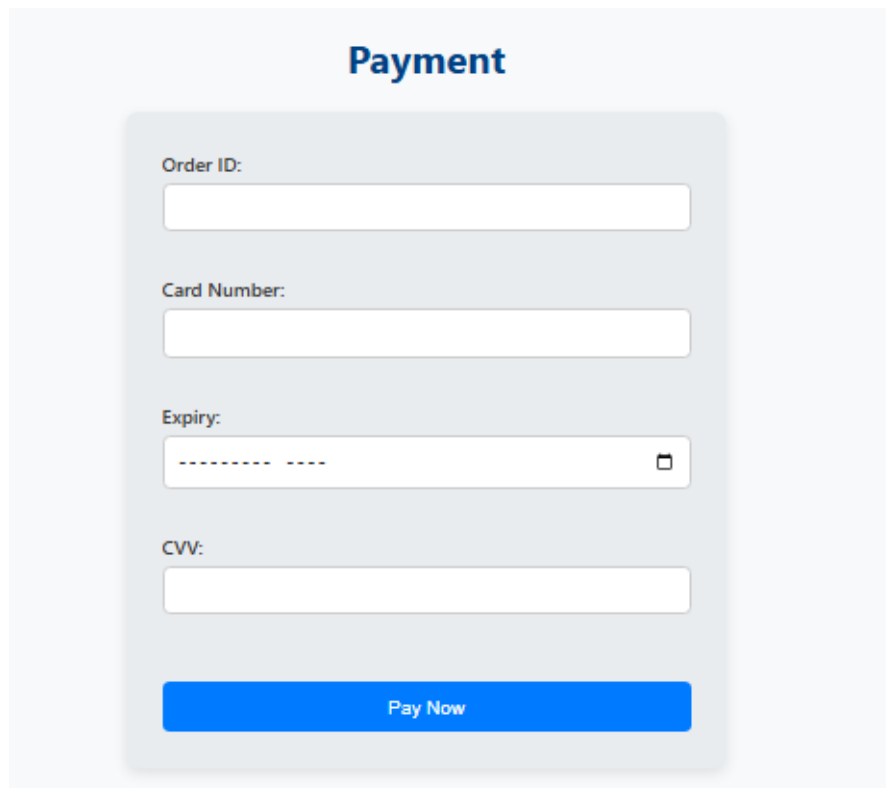
Output:

stylesheet.css

```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 {
```

```css
        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;
    }
```