

Internet Application Development

Lab No 3:

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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:

- i) New Customer Registration
- ii) Searching of Products
- iii) Products Selection and Order Placement
- iv) Customer Login

- New Customer Registration

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      height: 100vh;
      display: table;
    }
  </style>
</head>
</html>
```

```
        width: 100%;
        background-color: #f4f4f4;
    }

    .register-container {
        display: table-cell;
        vertical-align: middle;
        text-align: center;
    }

    .register-table {
        width: 300px;
        margin: 0 auto;
        padding: 20px;
        background-color: #fff;
        border-radius: 8px;
    }

    table {
        width: 100%;
    }

    table, th, td {
        border-collapse: collapse;
    }

    th, td {
        padding: 10px;
        text-align: left;
        border-bottom: 1px solid #ddd;
    }

    th {
        background-color: #f2f2f2;
    }

    input[type="text"],
    input[type="password"],
    input[type="submit"] {
        width: 100%;
        padding: 10px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        box-sizing: border-box;
    }

    input[type="submit"] {
        background-color: #4caf50;
        color: #fff;
    }

</style>
<title>Login Page</title>
</head>
<body>

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

```

<div class="register-table">
  <h2>Register</h2>
  <form action="#" method="post">
    <table>
      <tr>
        <th><label for="customerName">Customer Name:</label></th>
        <td><input type="text" id="customerName" name="customerName"
required></td>
      </tr>
      <tr>
        <th><label for="customerAddress">Customer Address:</label></th>
        <td><input type="text" id="customerAddress" name="customerAddress"
required></td>
      </tr>
      <tr>
        <th><label for="customerCity">Customer City:</label></th>
        <td><input type="text" id="customerCity" name="customerCity"
required></td>
      </tr>
      <tr>
        <th><label for="customerState">Customer State:</label></th>
        <td><input type="text" id="customerState" name="customerState"
required></td>
      </tr>
      <tr>
        <th><label for="customerPostalCode">Customer PostalCode:</label></th>
        <td><input type="text" id="customerPostalCode"
name="customerPostalCode" required></td>
      </tr>
      <tr>
        <th><label for="Username">Username:</label></th>
        <td><input type="text" id="Username" name="Username" required></td>
      </tr>
      <tr>
        <th><label for="Password">Password:</label></th>
        <td><input type="password" id="Password" name="Password"
required></td>
      </tr>
    </table>
    <input type="submit" value="Register">
  </form>
</div>
</div>

</body>
</html>

```

Register

Customer Name:	<input type="text"/>
Customer Address:	<input type="text"/>
Customer City:	<input type="text"/>
Customer State:	<input type="text"/>
Customer PostalCode:	<input type="text"/>
Username:	<input type="text"/>
Password:	<input type="text"/>

- **Searching for Product and Order Placement**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 20px;
      background-color: #f4f4f4;
    }
  </style>
</head>
</html>
```

```

table {
  width: 100%;
  border-collapse: collapse;
  margin-bottom: 20px;
}

th, td {
  padding: 12px;
  text-align: left;
  border-bottom: 1px solid #ddd;
}

th {
  background-color: #f2f2f2;
}

input[type="text"] {
  padding: 8px;
  margin-bottom: 10px;
}

input[type="number"] {
  width: 60px;
  padding: 8px;
}

input[type="submit"] {
  padding: 10px;
  background-color: #4caf50;
  color: #fff;
  border: none;
  cursor: pointer;
}
</style>
<title>Product Listing</title>
</head>
<body>

<input type="text" placeholder="Search">

<table>
  <thead>
    <tr>
      <th>Product Name</th>
      <th>Product Finish</th>
      <th>Standard Price</th>
      <th>Quantity</th>
      <th>Action</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Product A</td>
      <td>Finish A</td>
      <td>$20.00</td>
      <td><input type="number" min="0" value="0"></td>
      <td><input type="submit" value="Buy Now"></td>
    </tr>
  </tbody>
</table>

```

```

</tr>
<tr>
  <td>Product B</td>
  <td>Finish B</td>
  <td>$25.00</td>
  <td><input type="number" min="0" value="0"></td>
  <td><input type="submit" value="Buy Now"></td>
</tr>
<!-- Add more rows for additional products -->
</tbody>
</table>

</body>
</html>

```

The screenshot shows a web browser window with the address bar displaying 'C:/IAD/iad/product.html'. The page content is a table with a search bar at the top left. The table has five columns: Product Name, Product Finish, Standard Price, Quantity, and Action. There are two rows of data: Product A with Finish A, Standard Price \$20.00, and Quantity 0; and Product B with Finish B, Standard Price \$25.00, and Quantity 0. Each row has a green 'Buy Now' button in the Action column.

Product Name	Product Finish	Standard Price	Quantity	Action
Product A	Finish A	\$20.00	<input type="text" value="0"/>	<input type="button" value="Buy Now"/>
Product B	Finish B	\$25.00	<input type="text" value="0"/>	<input type="button" value="Buy Now"/>

- **New product Entry**

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      height: 100vh;
      display: table;
      width: 100%;
      background-color: #f4f4f4;
    }

    .register-container {
      display: table-cell;
      vertical-align: middle;
      text-align: center;
    }

    .register-table {
      width: 300px;
    }

```

```

        margin: 0 auto;
        padding: 20px;
        background-color: #fff;
        border-radius: 8px;
    }

    table {
        width: 100%;
    }

    table, th, td {
        border-collapse: collapse;
    }

    th, td {
        padding: 10px;
        text-align: left;
        border-bottom: 1px solid #ddd;
    }

    th {
        background-color: #f2f2f2;
    }

    input[type="text"],
    input[type="password"],
    input[type="submit"] {
        width: 100%;
        padding: 10px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        box-sizing: border-box;
    }

    input[type="submit"] {
        background-color: #4caf50;
        color: #fff;
    }

</style>
<title>Login Page</title>
</head>
<body>

<div class="register-container">
    <div class="register-table">
        <h2>New Product</h2>
        <form action="#" method="post">
            <table>
                <tr>
                    <th><label for="productName">Product Name:</label></th>
                    <td><input type="text" id="productName" name="productName" required></td>
                </tr>
                <tr>
                    <th><label for="productFinish">Product Finish:</label></th>
                    <td><input type="text" id="productFinish" name="productFinish"
required></td>
                </tr>
            </table>
        </form>
    </div>
</div>

```

```

        </tr>
        <tr>
            <th><label for="standardPrice">Standard Price:</label></th>
            <td><input type="number" id="standardPrice" name="standardPrice"
step="0.01" required></td>
        </tr>
    </table>
    <input type="submit" value="Add Product">
</form>
</div>
</div>
</body>
</html>

```

The image shows a web form titled "New Product". It consists of three input fields stacked vertically. Each field has a light gray label box to its left containing the text "Product Name:", "Product Finish:", and "Standard Price:" respectively. The input fields are empty text boxes. Below these fields is a green button with the text "Add Product" in white. The entire form is centered on a white background with a light gray border.

- **Customer Login**

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;

```



```
        padding: 0;
        height: 100vh;
        display: table;
        width: 100%;
        background-color: #f4f4f4;
    }

    .login-container {
        display: table-cell;
        vertical-align: middle;
        text-align: center;
    }

    .login-table {
        width: 300px;
        margin: 0 auto;
        padding: 20px;
        background-color: #fff;
        border-radius: 8px;
    }

    table {
        width: 100%;
    }

    table, th, td {
        border-collapse: collapse;
    }

    th, td {
        padding: 10px;
        text-align: left;
        border-bottom: 1px solid #ddd;
    }

    th {
        background-color: #f2f2f2;
    }

    input[type="text"],
    input[type="password"],
    input[type="submit"] {
        width: 100%;
        padding: 10px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        box-sizing: border-box;
    }

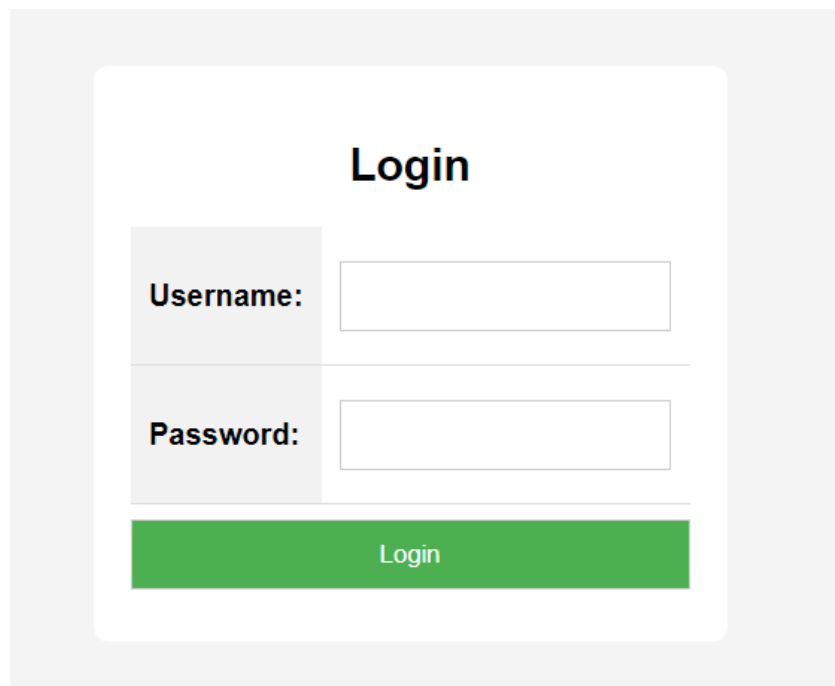
    input[type="submit"] {
        background-color: #4caf50;
        color: #fff;
    }

</style>
<title>Login Page</title>
</head>
```

```
<body>

<div class="login-container">
  <div class="login-table">
    <h2>Login</h2>
    <form action="#" method="post">
      <table >
        <tr>
          <th><label for="username">Username:</label></th>
          <td><input type="text" id="username" name="username" required></td>
        </tr>
        <tr>
          <th><label for="password">Password:</label></th>
          <td><input type="password" id="password" name="password"
required></td>
        </tr>
      </table>
      <input type="submit" value="Login">
    </form>
  </div>
</div>

</body>
</html>
```



The image shows a visual representation of the HTML code provided. It features a light gray background with a white rounded rectangle in the center. At the top of the white rectangle is the heading "Login" in a bold, black font. Below the heading are two input fields. The first field is labeled "Username:" and the second is labeled "Password:". Both labels are in a bold, black font and are positioned to the left of their respective input boxes. At the bottom of the white rectangle is a green button with the text "Login" in white. The entire form is centered within the gray background.