



Pakistan Institute of Engineering and Applied Sciences

Internet Application Development

Report: Lab No 3

Submitted To

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Submitted By

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DEPARTMENT: CIS(22-26)

Coding Section:

New Customer Registration:

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

    header {
      background-color: #333;
      color: white;
      padding: 10px;
      text-align: center;
    }

    nav {
      background-color: #333;
      overflow: hidden;
    }

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

    nav ul li {
      float: left;
    }

    nav ul li a {
      display: block;
      color: white;
      padding: 14px 16px;
      text-decoration: none;
      text-align: center;
    }
  </style>
</head>
<body>
  <div class="header">
    <h1>New Customer Registration</h1>
  </div>
  <div class="nav">
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#about">About</a></li>
      <li><a href="#services">Services</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </div>
  <div class="main">
    <div class="form">
      <h2>New Customer Registration</h2>
      <div>
        <input type="text" value="First Name" />
        <input type="text" value="Last Name" />
      </div>
      <div>
        <input type="text" value="Email Address" />
        <input type="password" value="Password" />
      </div>
      <div>
        <input type="text" value="Phone Number" />
        <input type="password" value="Confirm Password" />
      </div>
      <input type="button" value="Register" />
    </div>
  </div>
  <div class="footer">
    <p>© 2023 New Customer Registration. All rights reserved.</p>
  </div>
</body>
</html>
```

```

        nav ul li a:hover {
            background-color: #111;
        }

form {
    margin: 20px;
    padding: 20px;
    border: 1px solid #ccc;
    width: 300px;
    background-color: #fff;
}

label {
    display: block;
    margin: 10px 0 5px;
}

input, textarea {
    width: 100%;
    padding: 8px;
    margin: 5px 0;
    border: 1px solid #ccc;
}

input[type="submit"] {
    width: auto;
    background-color: #4CAF50;
    color: white;
    padding: 10px 20px;
    border: none;
    cursor: pointer;
}

input[type="submit"]:hover {
    background-color: #45a049;
}
</style>
</head>
<body>

<!-- Header -->
<header>
    <h1>Pine Valley Furniture - New Customer Registration</h1>
</header>

<!-- Navigation Menu -->
<nav>
    <ul>
        <li><a href="customer_registration.html">New Customer Registration</a></li>
        <li><a href="search_products.html">Search Products</a></li>
        <li><a href="place_order.html">Place an Order</a></li>
    </ul>

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        <li><a href="update_product.html">Update Product Catalog</a></li>
        <li><a href="payment_provision.html">Payment Provision</a></li>
    </ul>
</nav>

<!-- Registration Form -->
<h2>Customer Registration Form</h2>
<form action="register_customer.php" method="POST">
    <label for="name">Full Name:</label>
    <input type="text" id="name" name="name" required><br><br>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required><br><br>

    <label for="phone">Phone Number:</label>
    <input type="text" id="phone" name="phone" required><br><br>

    <label for="address">Address:</label>
    <textarea id="address" name="address" required></textarea><br><br>

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

</body>
</html>

```

Product Search Interface:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Product Search</title>
</head>
<body>
    <!-- Navigation Menu -->
    <ul>
        <li><a href="register_customer.html">New Customer Registration</a></li>
        <li><a href="search_products.html">Search Products</a></li>
        <li><a href="place_order.html">Place an Order</a></li>
        <li><a href="update_product.html">Update Product Catalog</a></li>
        <li><a href="process_payment.html">Payment Provision</a></li>
    </ul>

    <h2>Search for Products</h2>
    <form action="search_products.php" method="GET">
        <label for="search">Search by Name or Category:</label>
        <input type="text" id="search" name="search" required><br><br>
        <input type="submit" value="Search">
    </form>

```

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

Product Selection and order Placement:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Product Selection and Order Placement</title>
</head>
<body>
  <!-- Navigation Menu -->
  <ul>
    <li><a href="register_customer.html">New Customer Registration</a></li>
    <li><a href="search_products.html">Search Products</a></li>
    <li><a href="place_order.html">Place an Order</a></li>
    <li><a href="update_product.html">Update Product Catalog</a></li>
    <li><a href="process_payment.html">Payment Provision</a></li>
  </ul>

  <h2>Place an Order</h2>
  <form action="place_order.php" method="POST">
    <label for="product">Select Product:</label>
    <select id="product" name="product">
      <option value="1">Chair</option>
      <option value="2">Table</option>
      <option value="3">Sofa</option>
    </select><br><br>

    <label for="quantity">Quantity:</label>
    <input type="number" id="quantity" name="quantity" required><br><br>

    <input type="submit" value="Place Order">
  </form>
</body>
</html>
```

Admin Interface:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```

<title>Update Product Catalog</title>
</head>
<body>
  <!-- Navigation Menu -->
  <ul>
    <li><a href="register_customer.html">New Customer Registration</a></li>
    <li><a href="search_products.html">Search Products</a></li>
    <li><a href="place_order.html">Place an Order</a></li>
    <li><a href="update_product.html">Update Product Catalog</a></li>
    <li><a href="process_payment.html">Payment Provision</a></li>
  </ul>

  <h2>Update Product Catalog</h2>
  <form action="update_product.php" method="POST">
    <label for="product_id">Product ID:</label>
    <input type="text" id="product_id" name="product_id" required><br><br>

    <label for="new_price">New Price:</label>
    <input type="number" id="new_price" name="new_price" required><br><br>

    <label for="new_description">New Description:</label>
    <textarea id="new_description" name="new_description"
required></textarea><br><br>

    <input type="submit" value="Update Product">
  </form>
</body>
</html>

```

Payment.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Help - Pine Valley Furniture</title>
  <style>
    /* Simple styling to align the items properly */
    ul {
      list-style-type: none;
      padding: 0;
    }

    li {
      margin-bottom: 15px;
    }

    a {
      font-weight: bold;
      color: #0066cc;
    }
  </style>

```

```

        text-decoration: none;
    }

    a:hover {
        text-decoration: underline;
    }
</style>
</head>
<body>
    <h2>User Guide</h2>
    <ul>
        <li><a href="NewCustomerRegistration.html">New Customer Registration:</a> Fill
out the registration form with your personal details to create a new account and become
a member.</li>
        <li><a href="ProductSearchInterface.html">Product Search:</a> Use this page to
search for products by name or category from the available catalog.</li>
        <li><a href="ProductSelectionAndOrderPlacement.html">Place an Order:</a>
Select the desired product, specify the quantity, and proceed to place your order.</li>
        <li><a href="Payement.html">Update Product Catalog:</a> Admin users can
update product information, including price, description, and availability details.</li>
        <li><a href="AdminInterface.html">Payment Provision:</a> Complete your
purchase by providing payment details such as card number, expiry date, and CVV for
processing your order.</li>
    </ul>
</body>
</html>

```

Help.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Help - Pine Valley Furniture</title>
    <style>
        /* Simple styling to align the items properly */
        ul {
            list-style-type: none;
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        li {
            margin-bottom: 15px;
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        text-decoration: none;
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</style>
</head>
<body>
    <h2>User Guide</h2>
    <ul>
        <li><a href="NewCustomerRegistration.html">New Customer Registration:</a> Fill
out the registration form with your personal details to create a new account and become
a member.</li>
        <li><a href="ProductSearchInterface.html">Product Search:</a> Use this page to
search for products by name or category from the available catalog.</li>
        <li><a href="ProductSelectionAndOrderPlacement.html">Place an Order:</a>
Select the desired product, specify the quantity, and proceed to place your order.</li>
        <li><a href="Payement.html">Update Product Catalog:</a> Admin users can
update product information, including price, description, and availability details.</li>
        <li><a href="AdminInterface.html">Payment Provision:</a> Complete your
purchase by providing payment details such as card number, expiry date, and CVV for
processing your order.</li>
    </ul>
</body>
</html>

```

Output:



Customer Registration Form

Full Name:

Email:

Phone Number:

Address:

Product Search

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Search for Products

Search by Name or Category:

Product Selection and Order Place

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- [New Customer Registration](#)
- [Search Products](#)
- [Place an Order](#)
- [Update Product Catalog](#)
- [Payment Provision](#)

Place an Order

Select Product:

Quantity:

Payment Provision

https://localhost:44364/Payment.html

Payment Information

Card Number:

Expiry Date:

CVV:

Update Product Catalog

https://localhost:44364/AdminInterface.html

- [New Customer Registration](#)
- [Search Products](#)
- [Place an Order](#)
- [Update Product Catalog](#)
- [Payment Provision](#)

Update Product Catalog

Product ID:

New Price:

New Description:

User Guide

New Customer Registration: Fill out the registration form with your personal details to create a new account and become a member.

Product Search: Use this page to search for products by name or category from the available catalog.

Place an Order: Select the desired product, specify the quantity, and proceed to place your order.

Update Product Catalog: Admin users can update product information, including price, description, and availability details.

Payment Provision: Complete your purchase by providing payment details such as card number, expiry date, and CVV for processing your order.

Moving towards Business Intelligence

Once the basic functionalities (i to v) are in place, we can start considering how to transition to business intelligence (BI):

1. Customer Segmentation Analysis:

- To transform the order processing system into a customer segmentation platform, you can analyze data based on:
 - Order frequency
 - Product categories purchased
 - Customer location or demographics
- Use tools like Power BI, Google Data Studio, or Tableau to create dashboards and insights from customer data.

2. User Profiling:

- User profiling can be added by tracking user activity, such as:
 - Browsing history
 - Order history
 - Preferences (like saved products, previously purchased items)
- This could be stored in your database and used to offer personalized recommendations.

3. Targeted Marketing:

- Based on customer segmentation, targeted marketing can be done by:
 - Sending personalized offers to customers who buy specific products frequently.
 - Offering discounts or promotions to high-value customers (VIP customers).
 - Sending emails with product recommendations based on past behavior.