

# INTERNET APPLICATION DEVELOPMENT

## LAB 1

### PROBLEM STATEMENT:

Consider the database development project developed during previous semester. A complete database design and development was carried out in previous semester project as detailed in your project report.

You are required to develop web interfaces on paper and then develop html prototypes for various functionalities of your database project.

Next task is to transform paper based and html based prototype interfaces into full scale working web forms for realization of various functionalities of your project. Ideally you are required to develop all web forms for implementing various project functionalities.

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There is a need to implement a web based solution for above mentioned database. The web based solution must incorporate various functionalities of your project. (1) Registration of Student/Patient/Passenger/Customer, or whatever is applicable in your project. (2) Search facilities including partial matches (3) Any other project specific functionalities (4) Role based access control (5) Payment system (if required)

As a first step design above mentioned (1) to (5) user interfaces using paper and pencil. Next write appropriate html for creating (1) to (5) 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.

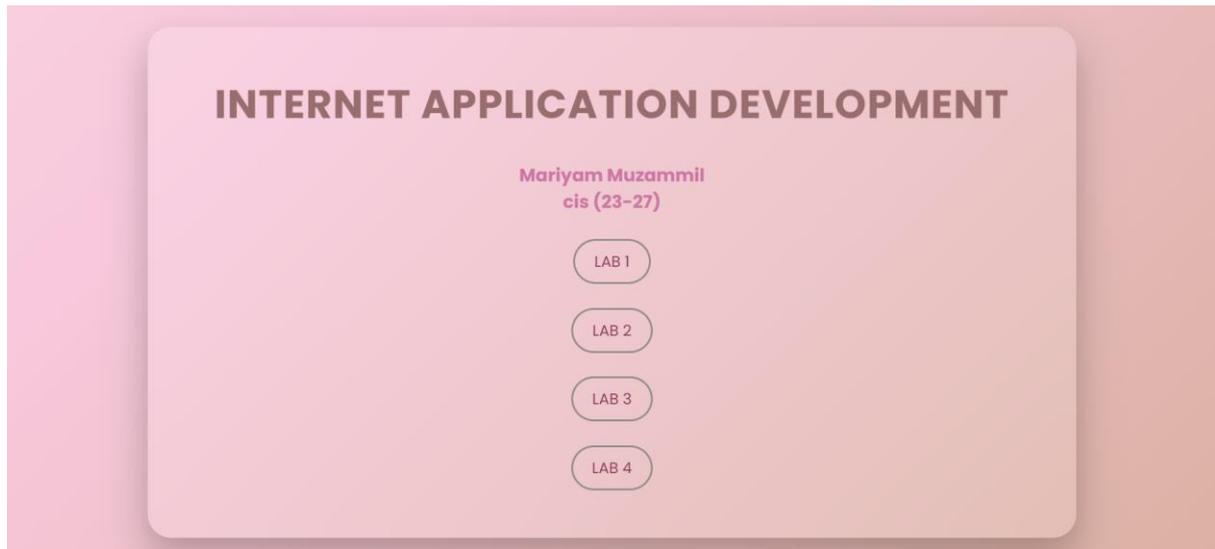
### index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>IAD</title>
    <link rel="stylesheet", href="style.css">
  </head>
  <body class="home-page">
    <nav>
      <h1 style="color: rgb(154, 109, 111);">INTERNET APPLICATION
DEVELOPMENT</h1>
      <h3 style="color: rgb(205, 119, 165);">Mariyam Muzammil<br> cis (23-
27)</h3>
      <div class="box">
        <a href="lab1.html", class="back-btn">LAB 1</a>
      </div>
      <div class="box">
        <a href="lab2.html", class="back-btn">LAB 2</a>
```

```

    </div>
    <div class="box">
      <a href="lab3.html", class="back-btn">LAB 3</a>
    </div>
    <div class="box">
      <a href="lab4.html", class="back-btn">LAB 4</a>
    </div>
  </nav>
</body>
</html>

```



### lab1.html

```

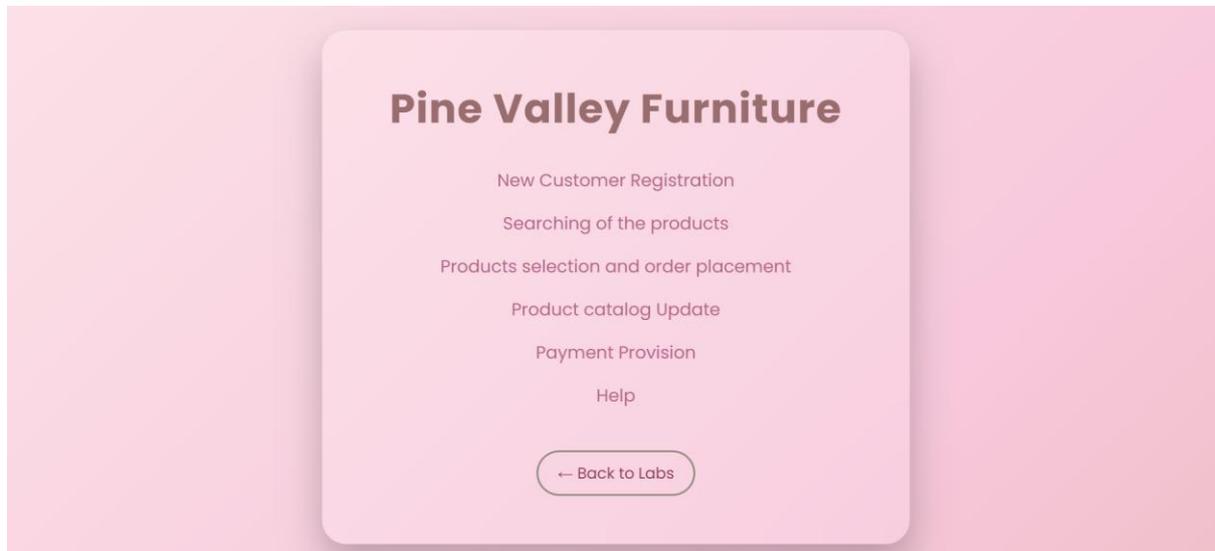
<!DOCTYPE html>
<html>
  <head>
    <title> Pine Valley Furniture Company</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body class="home-page">
    <nav>
      <h1>Pine Valley Furniture</h1>
      <ul>
        <li><a href="customer-registration.html">New Customer
Registration</a></li>
        <li><a href="product-search.html">Searching of the
products</a></li>
        <li><a href="order-placement.html">Products selection and
order placement</a></li>
        <li><a href="update.html">Product catalog Update</a></li>
        <li><a href="payment.html">Payment Provision</a></li>
        <li><a href="help.html">Help </a></li>
      </ul>
    </nav>
  </body>
</html>

```

```

        <div class="box">
          <a href="index.html" class="back-btn"><- Back to Labs</a>
        </div>
      </nav>
    </body>
  </html>

```



### Customer-registration.html

```

<!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>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="page-container">
  <h1 class="page-title">New Customer Registration</h1>

  <form>
    <label for="name">Name</label>
    <input type="text" id="name" name="name" required>

    <label for="phone">Phone</label>
    <input type="tel" id="phone" name="phone" required>

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

    <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>

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

<a href="lab1.html" class="back-btn"><- Back to Homepage</a>
</div>

</body>
</html>

```

**New Customer Registration**

Name

Phone

Email

Username

Password

Register

### product-search.html

```

<!DOCTYPE html>
<html>
<head>
  <title>Search Products</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="page-container">
  <h1 class="page-title">Search Products</h1>

  <form>
    <label>Search by Product Name</label>
    <input type="text" name="product" placeholder="e.g., Chair" required>

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

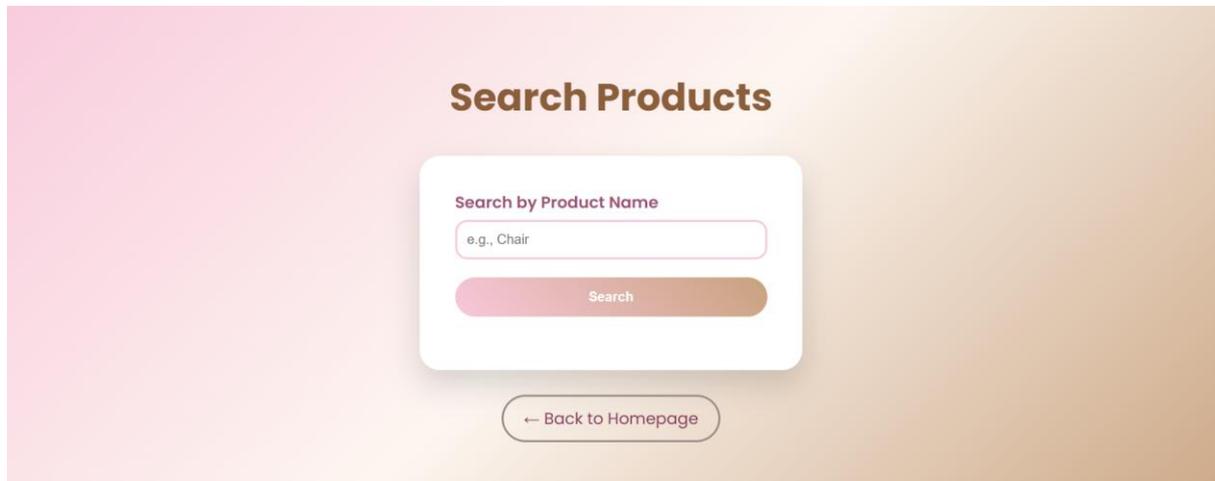
```

```

    <a href="lab1.html" class="back-btn"><- Back to Homepage</a>
</div>

</body>
</html>

```



### order-placement.html

```

<!DOCTYPE html>
<html>
<head>
  <title>Place Order</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="page-container">
  <h1 class="page-title">Place Order</h1>

  <form>
    <label>Product ID</label>
    <input type="text" name="product_id" required>

    <label>Quantity</label>
    <input type="number" name="quantity" min="1" required>

    <label>Customer ID</label>
    <input type="text" name="customer_id" required>

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

  <a href="lab1.html" class="back-btn"><- Back to Homepage</a>
</div>

```

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

The image shows a 'Place Order' form centered on a light brown background. The form is a white rounded rectangle containing three text input fields labeled 'Product ID', 'Quantity', and 'Customer ID'. Below these fields is a pink 'Place Order' button. At the bottom of the form area is a rounded button with a left-pointing arrow and the text 'Back to Homepage'.

**update.html**

```
<!DOCTYPE html>
<html>
<head>
  <title>Update Product Catalog</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="page-container">
  <h1 class="page-title">Update Product Catalog</h1>

  <form>
    <label>Product ID</label>
    <input type="text" name="product_id" required>

    <label>New Name</label>
    <input type="text" name="new_name">

    <label>New Price</label>
    <input type="number" name="new_price" step="0.01">

    <label>New Description</label>
    <textarea name="description" rows="4"></textarea>

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

```

    <a href="lab1.html" class="back-btn"><- Back to Homepage</a>
</div>

</body>
</html>

```

**Update Product Catalog**

Product ID

New Name

New Price

New Description

Update Product

**payment.html**

```

<!DOCTYPE html>
<html>
<head>
  <title>Make Payment</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="page-container">
  <h1 class="page-title">Make Payment</h1>

  <form>
    <label>Order ID</label>
    <input type="text" name="order_id" required>

    <label>Card Number</label>
    <input type="text" name="card_number" required>

    <label>Expiry Date</label>
    <input type="month" name="expiry" required>

    <label>CW</label>
    <input type="password" name="cvv" required>

```

```

    <input type="submit" value="Pay Now">
  </form>

  <a href="lab1.html" class="back-btn"><- Back to Homepage</a>
</div>

</body>
</html>

```

The image shows a 'Make Payment' form centered on a light-colored background. The form is white with rounded corners and contains the following elements:

- Order ID:** A text input field.
- Card Number:** A text input field.
- Expiry Date:** A date input field with a calendar icon on the right.
- CVV:** A text input field.
- Pay Now:** A prominent, rounded button at the bottom of the form.

### help.html

```

<!DOCTYPE html>
<html>
<head>
  <title>Help / Guide</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="page-container">
  <h1 class="page-title">Help / User Guide</h1>

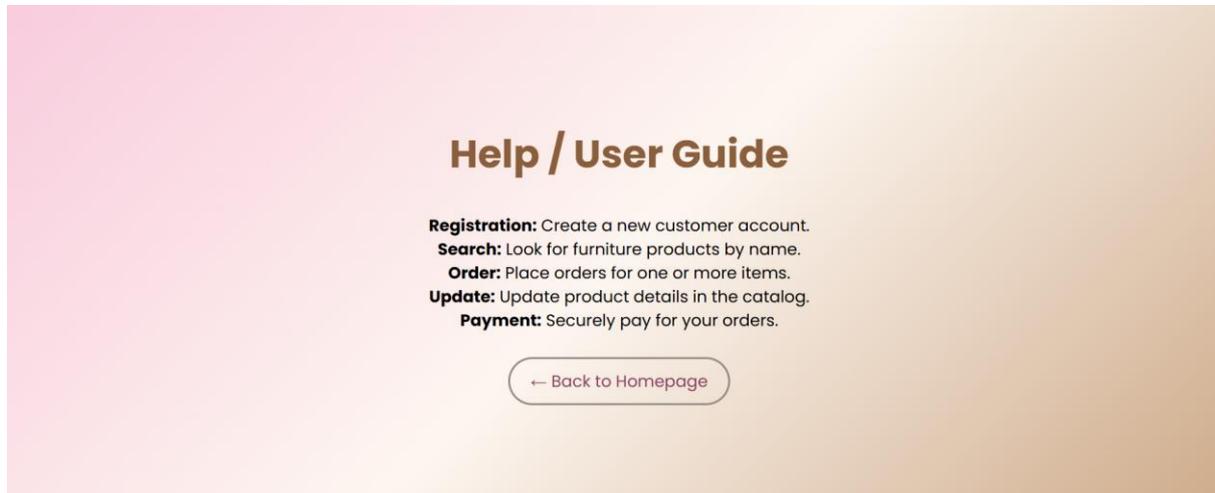
  <div class="info-card">
    <ul>
      <li><strong>Registration:</strong> Create a new customer account.</li>
      <li><strong>Search:</strong> Look for furniture products by name.</li>
      <li><strong>Order:</strong> Place orders for one or more items.</li>
      <li><strong>Update:</strong> Update product details in the catalog.</li>
      <li><strong>Payment:</strong> Securely pay for your orders.</li>
    </ul>
  </div>

  <a href="lab1.html" class="back-btn"><- Back to Homepage</a>

```

```
</div>

</body>
</html>
```



### style.css

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600;700&dis
play=swap');

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

body {
  font-family: 'Poppins', sans-serif;
  min-height: 100vh;
  background: linear-gradient(135deg, #f8c8dc, #fdf6f0, #c8a27e);
  display: flex;
  justify-content: center;
  align-items: center;
}

.home-page {
  background: linear-gradient(-45deg, #c8a27e, #f8c8dc, #fdf6f0, #b88a64);
  background-size: 400% 400%;
  animation: gradientMove 12s ease infinite;
}
```

```
.home-page nav {  
  background: rgba(255, 255, 255, 0.15);  
  backdrop-filter: blur(18px);  
  padding: 50px 70px;  
  border-radius: 25px;  
  text-align: center;  
  box-shadow: 0 20px 40px rgba(0,0,0,0.25);  
  animation: fadeUp 1s ease;  
}
```

```
.home-page nav h1 {  
  font-size: 42px;  
  color: rgb(154, 109, 111);  
  margin-bottom: 30px;  
  letter-spacing: 1px;  
}
```

```
.home-page nav ul {  
  list-style: none;  
  padding: 0;  
}
```

```
.home-page nav ul li {  
  margin: 18px 0;  
}
```

```
.home-page nav ul li a {  
  text-decoration: none;  
  font-size: 18px;  
  font-weight: 500;  
  color: rgb(181, 103, 137);  
  padding: 8px 12px;  
  position: relative;  
  transition: all 0.3s ease;  
}
```

```
.home-page nav ul li a::after {  
  content: "";  
  position: absolute;  
  left: 0;  
  bottom: -5px;  
  width: 0%;  
  height: 2px;  
  background: #c16f91;  
  transition: width 0.3s ease;  
}
```

```
.home-page nav ul li a:hover::after {
```

```
width: 100%;
}

.home-page nav ul li a:hover {
  transform: scale(1.08);
  text-shadow: 0 0 12px rgba(255,255,255,0.7);
  color: #d3c1c8;
}

/* Background animation */
@keyframes gradientMove {
  0% { background-position: 0% 50%; }
  50% { background-position: 100% 50%; }
  100% { background-position: 0% 50%; }
}

/* PAGE WRAPPER */
.page-container {
  text-align: center;
  width: 100%;
}

.page-title {
  font-size: 38px;
  color: #8b5e3c;
  margin-bottom: 30px;
  animation: fadeDown 0.8s ease;
}

form {
  background: white;
  width: 380px;
  margin: 0 auto;
  padding: 35px;
  border-radius: 20px;
  box-shadow: 0 15px 30px rgba(0,0,0,0.15);
  animation: fadeUp 0.8s ease;
}

label {
  display: block;
  text-align: left;
  margin-bottom: 6px;
  font-weight: 600;
  color: #a05278;
}

input, textarea, select {
```

```
width: 100%;
padding: 10px;
margin-bottom: 18px;
border: 2px solid #f8c8dc;
border-radius: 12px;
transition: 0.3s ease;
}

/* FOCUS EFFECT */
input:focus, textarea:focus, select:focus {
  outline: none;
  border-color: #c8a27e;
  box-shadow: 0 0 10px rgba(248, 200, 220, 0.6);
}

/* BUTTON */
input[type="submit"], button {
  width: 100%;
  padding: 12px;
  border-radius: 25px;
  border: none;
  font-weight: 600;
  background: linear-gradient(45deg, #f8c8dc, #c8a27e);
  color: white;
  cursor: pointer;
  transition: 0.3s ease;
}

input[type="submit"]:hover, button:hover {
  transform: scale(1.05);
  box-shadow: 0 10px 20px rgba(200,162,126,0.4);
}

.back-btn {
  display: inline-block;
  margin-top: 25px;
  padding: 10px 20px;
  border-radius: 25px;
  background: transparent;
  border: 2px solid #978e88;
  color: #8b3c5c;
  font-weight: 500;
  text-decoration: none;
  transition: 0.3s ease;
}

.back-btn:hover {
  background: #cd95b9;
}
```

```
color: white;
transform: translateY(-3px);
box-shadow: 0 8px 15px rgba(0,0,0,0.2);
}

@keyframes fadeUp {
  from {
    opacity: 0;
    transform: translateY(25px);
  }
  to {
    opacity: 1;
    transform: translateY(0);
  }
}

@keyframes fadeDown {
  from {
    opacity: 0;
    transform: translateY(-25px);
  }
  to {
    opacity: 1;
    transform: translateY(0);
  }
}
```