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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Registration and Login</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f0f0f0;
      margin: 0;
      padding: 0;
    }
    .container {
      width: 100%;
      max-width: 600px;
      margin: 50px auto;
      padding: 20px;
      background-color: #fff;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      border-radius: 10px;
    }
    h2 {
      text-align: center;
      margin-bottom: 20px;
    }
    form {
      display: flex;
      flex-direction: column;
    }
    label {
      margin-bottom: 5px;
      font-weight: bold;
    }
    input {
      padding: 10px;
      margin-bottom: 20px;
      border: 1px solid #ccc;
      border-radius: 5px;
    }
    button {
      padding: 10px;
      background-color: #007bff;
      color: #fff;
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        border: none;
        border-radius: 5px;
        cursor: pointer;
    }
    button:hover {
        background-color: #0056b3;
    }
    .error {
        color: red;
        font-size: 0.9em;
        margin-top: -15px;
        margin-bottom: 10px;
    }
    table {
        width: 100%;
        border-collapse: collapse;
        margin-top: 20px;
    }
    table, th, td {
        border: 1px solid #ccc;
    }
    th, td {
        padding: 10px;
        text-align: left;
    }
    th {
        background-color: #f2f2f2;
    }
</style>
</head>
<body>
<div class="container" id="registration-container">
    <h2>Registration</h2>
    <form id="registration-form">
        <label for="name">Name</label>
        <input type="text" id="name" name="name" required>
        <span class="error" id="name-error"></span>

        <label for="email">Email</label>
        <input type="email" id="email" name="email" required>
        <span class="error" id="email-error"></span>

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

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    <span class="error" id="phone-error"></span>

    <button type="button" onclick="register()">Sign Up</button>
  </form>
</div>

<div class="container" id="login-container" style="display:none;">
  <h2>Login</h2>
  <form id="login-form">
    <label for="login-email">Email</label>
    <input type="email" id="login-email" name="login-email" required>
    <span class="error" id="login-email-error"></span>

    <label for="login-password">Password</label>
    <input type="password" id="login-password" name="login-password" required>
    <span class="error" id="login-password-error"></span>

    <button type="button" onclick="login()">Login</button>
  </form>
</div>

<div class="container" id="data-container" style="display:none;">
  <h2>Products</h2>
  <table id="products-table">
    <thead>
      <tr>
        <th>ID</th>
        <th>Title</th>
        <th>Description</th>
        <th>Price</th>
      </tr>
    </thead>
    <tbody>
      <!-- Data will be populated here -->
    </tbody>
  </table>
</div>

<script>
function validateEmail(email) {
  const re = /^[a-zA-Z0-9_+-.]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-]+\$/;
  return re.test(String(email).toLowerCase());
}

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function validatePhone(phone) {
    const re = /^d{10}$/;
    return re.test(String(phone));
}

function register() {
    const name = document.getElementById('name').value;
    const email = document.getElementById('email').value;
    const phone = document.getElementById('phone').value;

    let isValid = true;

    if (!name) {
        document.getElementById('name-error').innerText = "Name is required";
        isValid = false;
    } else {
        document.getElementById('name-error').innerText = "";
    }

    if (!validateEmail(email)) {
        document.getElementById('email-error').innerText = "Invalid email";
        isValid = false;
    } else {
        document.getElementById('email-error').innerText = "";
    }

    if (!validatePhone(phone)) {
        document.getElementById('phone-error').innerText = "Invalid phone number";
        isValid = false;
    } else {
        document.getElementById('phone-error').innerText = "";
    }

    if (isValid) {
        alert('Registration successful');
        document.getElementById('registration-container').style.display = 'none';
        document.getElementById('login-container').style.display = 'block';
    }
}

function login() {
    const email = document.getElementById('login-email').value;
    const password = document.getElementById('login-password').value;

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let isValid = true;

if (!validateEmail(email)) {
  document.getElementById('login-email-error').innerText = "Invalid email";
  isValid = false;
} else {
  document.getElementById('login-email-error').innerText = "";
}

if (!password) {
  document.getElementById('login-password-error').innerText = "Password is required";
  isValid = false;
} else {
  document.getElementById('login-password-error').innerText = "";
}

if (isValid) {
  fetchProducts();
}
}

async function fetchProducts() {
  try {
    // DUMMY API FOR PRODUCTS
    const response = await fetch('https://dummyjson.com/products');
    const data = await response.json();
    populateTable(data.products);
    document.getElementById('login-container').style.display = 'none';
    document.getElementById('data-container').style.display = 'block';
  } catch (error) {
    console.error('Error fetching products:', error);
  }
}

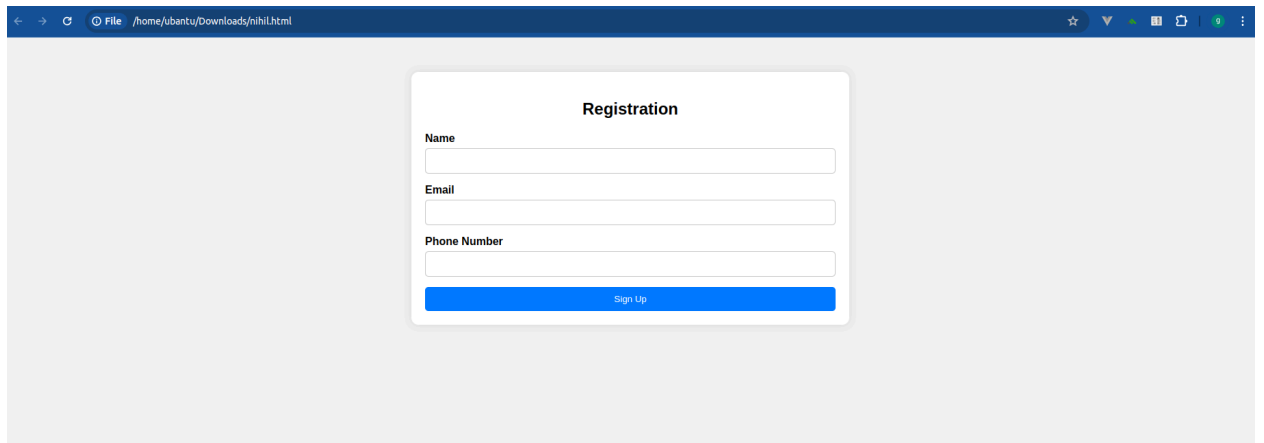
function populateTable(products) {
  const tbody = document.querySelector('#products-table tbody');
  tbody.innerHTML = "";
  products.forEach(product => {
    const row = document.createElement('tr');
    row.innerHTML = `
      <td>${product.id}</td>
      <td>${product.title}</td>
      <td>${product.description}</td>
      <td>${product.price}</td>
    `
  })
}

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        </td>
    </tr>
    <tr>
        <td>
            <script>
                tbody.appendChild(row);
            </script>
        </td>
    </tr>
</tbody>
</html>
```

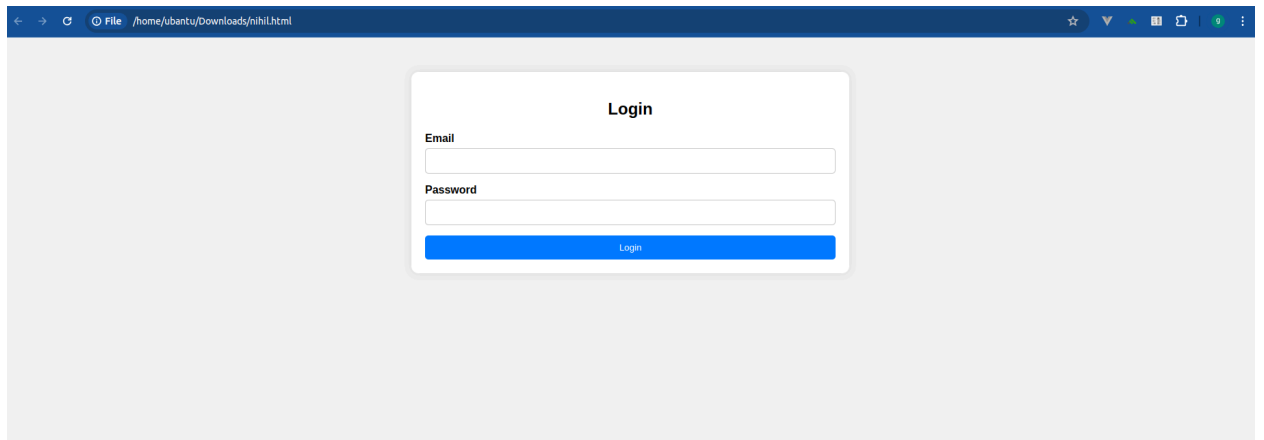
OUTPUT:

1. REGISTRATION :



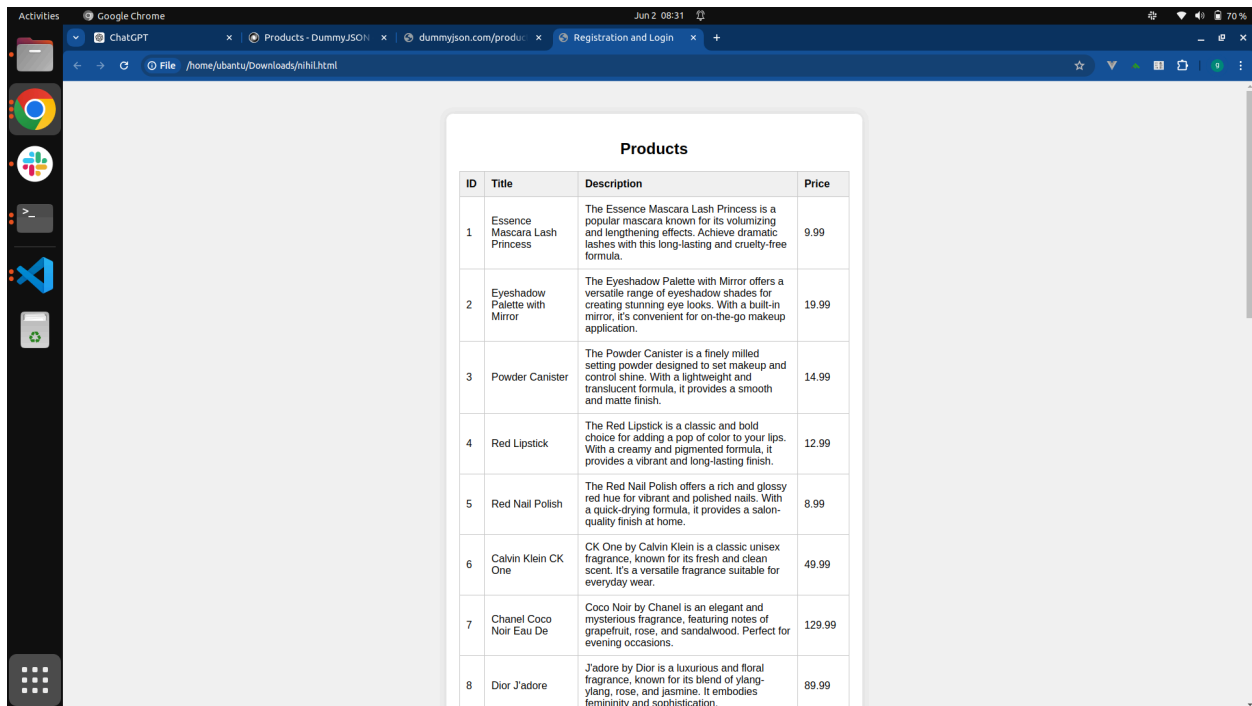
A screenshot of a web browser window displaying a registration form. The browser's address bar shows the file path `/home/ubuntu/Downloads/nihl.html`. The form is titled "Registration" and is centered on a light gray background. It contains three input fields labeled "Name", "Email", and "Phone Number". Below these fields is a blue button labeled "Sign Up".

2. LOGIN :



A screenshot of a web browser window displaying a login form. The browser's address bar shows the file path `/home/ubuntu/Downloads/nihl.html`. The form is titled "Login" and is centered on a light gray background. It contains two input fields labeled "Email" and "Password". Below these fields is a blue button labeled "Login".

3. RESPONSE DATA FROM API:



The screenshot shows a web browser window with the title 'Products'. The browser's address bar shows the file path '/home/ubuntu/Downloads/nihil.html'. The table contains 8 rows of product data, each with an ID, Title, Description, and Price.

ID	Title	Description	Price
1	Essence Mascara Lash Princess	The Essence Mascara Lash Princess is a popular mascara known for its volumizing and lengthening effects. Achieve dramatic lashes with this long-lasting and cruelty-free formula.	9.99
2	Eyeshadow Palette with Mirror	The Eyeshadow Palette with Mirror offers a versatile range of eyeshadow shades for creating stunning eye looks. With a built-in mirror, it's convenient for on-the-go makeup application.	19.99
3	Powder Canister	The Powder Canister is a finely milled setting powder designed to set makeup and control shine. With a lightweight and translucent formula, it provides a smooth and matte finish.	14.99
4	Red Lipstick	The Red Lipstick is a classic and bold choice for adding a pop of color to your lips. With a creamy and pigmented formula, it provides a vibrant and long-lasting finish.	12.99
5	Red Nail Polish	The Red Nail Polish offers a rich and glossy red hue for vibrant and polished nails. With a quick-drying formula, it provides a salon-quality finish at home.	8.99
6	Calvin Klein CK One	CK One by Calvin Klein is a classic unisex fragrance, known for its fresh and clean scent. It's a versatile fragrance suitable for everyday wear.	49.99
7	Chanel Coco Noir Eau De	Coco Noir by Chanel is an elegant and mysterious fragrance, featuring notes of grapefruit, rose, and sandalwood. Perfect for evening occasions.	129.99
8	Dior J'adore	J'adore by Dior is a luxurious and floral fragrance, known for its blend of ylang-ylang, rose, and jasmine. It embodies femininity and sophistication.	89.99