```
1.<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Share Your Travel Photos</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <h1>Share Your Travel Photos</h1>
    <p>Upload, view, and organize your travel memories</p>
  </header>
  <main>
    <section class="upload-section">
      <input type="file" id="photoUpload" accept="image/*" multiple>
      <button onclick="uploadPhotos()">Upload Photos</button>
    </section>
    <section class="gallery-section">
      <h2>Photo Gallery</h2>
      <div id="gallery" class="gallery"></div>
    </section>
  </main>
  <script src="script.js"></script>
</body>
</html>
```

```
body {
  font-family: Arial, sans-serif;
  background: #f5f5f5;
  margin: 0;
  padding: 0;
}
```

```css
header {
  background: #2196f3;
  color: white;
  text-align: center;
  padding: 1rem;
}
.upload-section {
  text-align: center;
  margin: 1rem;
}
input[type="file"] {
  margin: 10px;
}
.gallery {
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(200px, 1fr));
  gap: 15px;
  padding: 15px;
}
.photo-card {
  background: white;
  border-radius: 10px;
  box-shadow: 0 2px 5px rgba(0,0,0,0.2);
  padding: 10px;
  text-align: center;
  overflow: hidden;
}
.photo-card img {
  max-width: 100%;
  border-radius: 8px;
  height: 150px;
  object-fit: cover;
}
```

```css
.photo-info {
  margin-top: 8px;
}
.photo-info input {
  width: 90%;
  padding: 5px;
  margin: 3px 0;
}
.delete-btn {
  background: crimson;
  color: white;
  border: none;
  padding: 5px 10px;
  border-radius: 5px;
  cursor: pointer;
  margin-top: 5px;
}
.delete-btn:hover {
  background: darkred;
}
```

```javascript
let gallery = document.getElementById("gallery");

let photos = [];

function uploadPhotos() {

let input = document.getElementById("photoUpload");

let files = input.files;

for (let file of files) {

    let reader = new FileReader();


    reader.onload = function(e) {

     let photo = {

       src: e.target.result,

       title: "Untitled",
```

```javascript
      album: "General"
    };
    photos.push(photo);
    displayPhotos();
  };
  reader.readAsDataURL(file);
 }
}
function displayPhotos() {
 gallery.innerHTML = "";
 photos.forEach((photo, index) => {
  let card = document.createElement("div");
  card.classList.add("photo-card");
  card.innerHTML = `
   <img src="${photo.src}" alt="Travel Photo">
   <div class="photo-info">
    <input type="text" value="${photo.title}" onchange="updateTitle(${index}, this.value)">
    <input type="text" value="${photo.album}" onchange="updateAlbum(${index}, this.value)">
    <button class="delete-btn" onclick="deletePhoto(${index})">Delete</button>
   </div>
  `;
  gallery.appendChild(card);
 });
}
function updateTitle(index, newTitle) {
 photos[index].title = newTitle;
}
function updateAlbum(index, newAlbum) {
 photos[index].album = newAlbum;
}
function deletePhoto(index) {
 photos.splice(index, 1);
 displayPhotos(); }
```

2.
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Book Repository CRM</title>
  <link rel="stylesheet" href="Book.css">
</head>
<body>
  <header>
    <h1>  Book Repository CRM</h1>
    <p>Manage customers & book orders easily</p>
  </header>
  <main>
    <section class="form-section">
      <h2>Add Customer</h2>
      <input type="text" id="customerName" placeholder="Customer Name">
      <input type="email" id="customerEmail" placeholder="Customer Email">
      <button onclick="addCustomer()">Add Customer</button>
    </section>
 <section class="form-section">
      <h2>Add Order</h2>
      <select id="customerSelect"></select>
      <input type="text" id="bookTitle" placeholder="Book Title">
      <input type="number" id="bookQty" placeholder="Quantity" min="1">
      <button onclick="addOrder()">Add Order</button>
    </section>
  <section class="list-section">
      <h2>Customers</h2>
      <ul id="customerList"></ul>
    </section>
    <section class="list-section">
```

```html
      <h2>Orders</h2>

      <ul id="orderList"></ul>

    </section>

  </main>

 <script src="book.js"></script>

</body>

</html>
```

```css
 body {

  font-family: Arial, sans-serif;

  background: #f8f9fa;

  margin: 0;

  padding: 0;

}

header {

  background: #4a90e2;

  color: white;

  text-align: center;

  padding: 1rem;

}

main {

  display: grid;

  grid-template-columns: 1fr 1fr;

  gap: 20px;

  padding: 20px;

}

.form-section, .list-section {

  background: white;

  padding: 15px;

  border-radius: 10px;

  box-shadow: 0 2px 5px rgba(0,0,0,0.2);

}

h2 {
```

```css
  margin-top: 0;}

input, select, button {
  width: 100%;
  padding: 8px;
  margin: 5px 0;
  border: 1px solid #ccc;
  border-radius: 6px;
}
button {
  background: #4a90e2;
  color: white;
  font-weight: bold;
  cursor: pointer;
  border: none;
}
button:hover {
  background: #357abd;
}
ul {
  list-style: none;
  padding: 0;
}
li {
  background: #f1f1f1;
  margin: 5px 0;
  padding: 8px;
  border-radius: 6px;
  display: flex;
  justify-content: space-between;
  align-items: center;
}
.delete-btn {
```

```css
  background: crimson;

  color: white;

  border: none;

  padding: 5px 8px;

  border-radius: 5px;

  cursor: pointer;

}

.delete-btn:hover {

  background: darkred;

}
```

_____

```javascript
 let customers = [];

let orders = [];

function addCustomer() {

  let name = document.getElementById("customerName").value.trim();

  let email = document.getElementById("customerEmail").value.trim();

  if (!name || !email) {

    alert("Please enter customer details.");

    return;

  }

  let customer = { id: Date.now(), name, email };

  customers.push(customer);

  document.getElementById("customerName").value = "";

  document.getElementById("customerEmail").value = "";

  updateCustomerList();

  updateCustomerSelect();

}

function addOrder() {

  let customerId = document.getElementById("customerSelect").value;

  let bookTitle = document.getElementById("bookTitle").value.trim();

  let qty = document.getElementById("bookQty").value;

  if (!customerId || !bookTitle || qty <= 0) {

    alert("Please fill in all order details.");
```

```javascript
    return;  }
  let order = {
    id: Date.now(),
    customerId,
    bookTitle,
    qty
  };
  orders.push(order);
  document.getElementById("bookTitle").value = "";
  document.getElementById("bookQty").value = "";
  updateOrderList();
}
function updateCustomerList() {
  let list = document.getElementById("customerList");
  list.innerHTML = "";
  customers.forEach(c => {
    let li = document.createElement("li");
    li.innerHTML = `${c.name} (${c.email})
      <button class="delete-btn" onclick="deleteCustomer(${c.id})">Delete</button>`;
    list.appendChild(li);
  });
}
function updateOrderList() {
  let list = document.getElementById("orderList");
  list.innerHTML = "";
  orders.forEach(o => {
    let customer = customers.find(c => c.id == o.customerId);
    let li = document.createElement("li");
    li.innerHTML = `${o.bookTitle} (x${o.qty}) - for ${customer ? customer.name : "Unknown"}

      <button class="delete-btn" onclick="deleteOrder(${o.id})">Delete</button>`;
    list.appendChild(li);
  });
```

```javascript
}
function updateCustomerSelect() {
  let select = document.getElementById("customerSelect");
  select.innerHTML = "<option value=''>Select Customer</option>";
  customers.forEach(c => {
    let option = document.createElement("option");
    option.value = c.id;
    option.textContent = c.name;
    select.appendChild(option);
  });
}
function deleteCustomer(id) {
  customers = customers.filter(c => c.id !== id);
  orders = orders.filter(o => o.customerId != id); // remove related orders
  updateCustomerList();
  updateOrderList();
  updateCustomerSelect();
}
function deleteOrder(id) {
  orders = orders.filter(o => o.id !== id);
  updateOrderList();
}
```

3.
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Art Store</title>
  <link rel="stylesheet" href="art.css">
</head>
<body>
  <header>
    <h1>Online Art Store</h1>
    <nav>
      <button onclick="showLogin()">Login</button>
      <button onclick="showNewuser()">New User</button>
      <button onclick="showCart()">Cart (<span id="cart-count">0</span>)</button>
    </nav>
  </header>
  <main>
    <!-- Login Section -->
    <section id="login-section" class="hidden">
      <h2>User Login</h2>
      <form onsubmit="return loginUser()">
        <input type="text" id="login-username" placeholder="Enter Username" required>
        <input type="password" id="login-password" placeholder="Enter Password" required>
        <button type="submit">Login</button>
      </form>
    </section>
    <!-- Signup Section -->
    <section id="signup-section" class="hidden">
      <h2>Sign Up</h2>
      <form onsubmit="return NewUser()">
        <input type="text" id="signup-username" placeholder="Enter Username" required>
        <input type="password" id="signup-password" placeholder="Enter Password" required>
```

```html
    <input type="password" id="signup-confirm-password" placeholder="Confirm Password"
required>

    <button type="submit">Sign Up</button>

  </form>

 </section>

 <!-- Gallery Section -->

 <section id="gallery-section">

  <h2>Artworks</h2>

  <div class="gallery">

   <div class="art-card">

    <img src="https://cdn.exoticindia.com/images/products/original/paintings-2019/miw784.jpg"
alt="Art 1" width="250px" height="250px">

    <h3>Abstract Art</h3>

    <button><b>$50</b></button>

    <button onclick="addToCart('Abstract Art', 50)"><b>Add to Cart</b></button>

   </div>

   <div class="art-card">

    <img src="https://m.media-amazon.com/images/I/71N9bGfQSfL.jpg" alt="Art 2" width="250px"
height="250px">

    <h3>Landscape Painting</h3>

    <button><b>$70</b></button>

    <button onclick="addToCart('Landscape Painting', 70)"><b>Add to Cart</b></button>

   </div>

   <div class="art-card">

    <img src="https://homafy.com/wp-content/uploads/2021/09/WhatsApp-Image-2021-09-04-at-
6.41.28-PM_11zon.jpeg" alt="Art 3" width="250px" height="250px">

    <h3>Oil Painting</h3>

    <button><b>$100</b></button>

    <button onclick="addToCart('Oil Painting', 100)"><b>Add to Cart</b></button>

   </div>

   <div class="art-card">

    <img src="https://cdn11.bigcommerce.com/s-
x49po/images/stencil/1500x1500/products/88461/250766/1665043068167_WhatsApp_Image_2022-10-
04_at_7.07.23_PM__88452.1687002282.jpg?c=2&imbypass=on" alt="Art 4" width="250px"
height="250px">
```

```html
        <h3>Starry Night</h3>

        <button><b>$60</b></button>

        <button onclick="addToCart('Starry Night', 60)"><b>Add to Cart</b></button>

      </div>

    </div>

  </section>

  <!-- Cart Section -->

  <section id="cart-section" class="hidden">

    <h2>Your Shopping Cart</h2>

    <ul id="cart-list"></ul>

    <p>Total: $<span id="cart-total">0</span></p>

    <button onclick="checkout()">Checkout</button>

  </section>

 </main>

 <script src="art.js"></script>

</body>

</html>
```

_____

```css
body {

  font-family: Arial, sans-serif;

  margin: 0;

  padding: 0;

  background: #b9e277;

}

header {

  background: #333;

  color: white;

  padding: 15px;

  display: flex;

  justify-content: space-between;

  align-items: center;

}

header h1 {
```

```css
    margin: 0;
}
nav button {
  margin-left: 10px;
  padding: 8px 12px;
  border: none;
  cursor: pointer;
  background: #f8f6f5;
  color: rgb(231, 56, 56);
  border-radius: 5px;
}
nav button:hover {
  background: #e65c50;
}
.hidden {
  display: none;
}
.gallery {
  display: flex;
  gap: 20px;
  flex-wrap: wrap;
  padding: 20px;
  justify-content: center;
}
.art-card {
  background: rgb(138, 192, 228);
  padding: 15px;
  border-radius: 8px;
  box-shadow: 0 2px 5px rgba(0,0,0,0.1);
  text-align: center;
  width: 200px;
}
.art-card img {
```

```css
  max-width: 100%;

  border-radius: 5px;

}

form {

  display: flex;

  flex-direction: column;

  gap: 10px;

  max-width: 300px;

  margin: auto;

  padding: 20px;

}

form input, form button {

  padding: 10px;

  border-radius: 5px;

  border: 1px solid #070707;

}

form button {

  background: #0a6dee;

  color: white;

  border: none;

  cursor: pointer;

}

form button:hover {

  background: #0644a0;

}

#cart-list {

  list-style: none;

  padding: 0;

  margin: 0 auto;

  max-width: 300px;

}

#cart-list li {

  padding: 5px;
```

```css
    border-bottom: 1px solid #ee4646;
}
```
_____

```javascript
let cart = [];
let total = 0;
let users = []; // Store registered users here
// Show login section
function showLogin() {
  hideAllSections();
  document.getElementById('login-section').classList.remove('hidden');
}
// Show signup section
function showNewuser() {
  hideAllSections();
  document.getElementById('signup-section').classList.remove('hidden');
}
// Show cart section
function showCart() {
  hideAllSections();
  document.getElementById('cart-section').classList.remove('hidden');
}
// Hide all sections
function hideAllSections() {
  document.getElementById('login-section').classList.add('hidden');
  document.getElementById('signup-section').classList.add('hidden');
  document.getElementById('cart-section').classList.add('hidden');
}
// Handle signup
function NewUser() {
  const username = document.getElementById('signup-username').value.trim();
  const password = document.getElementById('signup-password').value;
  const confirmPassword = document.getElementById('signup-confirm-password').value;
  if (!username || !password) {
```

```javascript
    alert("Username and password are required!");
    return false;
  }
  if (password !== confirmPassword) {
    alert("Passwords do not match!");
    return false;
  }
  // Check if user already exists
  const existingUser = users.find(u => u.username === username);
  if (existingUser) {
    alert("Username already taken. Please choose another one.");
    return false;
  }
  // Save the new user
  users.push({ username, password });
  alert("Signup successful for " + username + "! You can now login.");
  document.getElementById('signup-section').classList.add('hidden');
  return false;
}
// Handle login
function loginUser() {
  const username = document.getElementById('login-username').value.trim();
  const password = document.getElementById('login-password').value;
  const user = users.find(
    u => u.username === username && u.password === password
  );
  if (user) {
    alert("Login Successful!");
    document.getElementById('login-section').classList.add('hidden');
  } else {
    alert("Invalid Credentials!");
  }
  return false;
```

```javascript
}
// Add item to cart
function addToCart(item, price) {
  cart.push({ item, price });
  total += price;
  updateCart();
}
function updateCart() {
  document.getElementById('cart-count').innerText = cart.length;
  const cartList = document.getElementById('cart-list');
  cartList.innerHTML = "";
  cart.forEach((c, i) => {
    const li = document.createElement('li');
    li.innerText = `${c.item} - $${c.price}`;
    cartList.appendChild(li);
  });

  document.getElementById('cart-total').innerText = total;
}
function checkout() {
  if (cart.length === 0) {
    alert("Your cart is empty!");
    return;
  }
  alert("Checkout complete!");
  cart = [];
  total = 0;
  updateCart();
}
```

4.
```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Login Form Validation</title>
<link rel="stylesheet" href="login.css">
</head>
<body>
<div class="login-container">
<h2>Login</h2>
<form id="loginForm">
<div class="form-group">
<label for="email">Email</label>
<input type="text" id="email" placeholder="Enter email">
<div id="emailError" class="error"></div>
</div>
<div class="form-group">
<label for="password">Password</label>
<input type="password" id="password" placeholder="Enter password">
<div id="passwordError" class="error"></div>
</div>
<button type="submit">Login</button>
</form>
</div>
<script src="login.js"></script>
</body>
</html>
```

```css
body {
font-family: Arial, sans-serif;
```

```css
    background: #f5f5f5;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

}

.login-container {

    background: #fff;

    padding: 25px;

    border-radius: 12px;

    box-shadow: 0px 4px 8px rgba(0,0,0,0.1);

    width: 300px;

}

h2 {

    text-align: center;

    margin-bottom: 20px;

    color: #333;

}

.form-group {

    margin-bottom: 15px;

}

label {

    font-size: 14px;

    display: block;

    margin-bottom: 5px;

    color: #444;

}

input {

    width: 100%;

    padding: 10px;

    border: 1px solid #ccc;

    border-radius: 8px;

    font-size: 14px;
```

```css
}
.error {
color: red;
font-size: 12px;
margin-top: 5px;
}
button {
width: 100%;
padding: 10px;
background: #4CAF50;
border: none;
color: white;
font-size: 16px;
border-radius: 8px;
cursor: pointer;
}
button:hover {
background: #45a049;
}
```

_____

```javascript
document.getElementById("loginForm").addEventListener("submit", function (e) {
  e.preventDefault(); // Prevent form submit
  let email = document.getElementById("email").value.trim();
  let password = document.getElementById("password").value.trim();
  let emailError = document.getElementById("emailError");
  let passwordError = document.getElementById("passwordError");
  // Clear previous error messages
  emailError.textContent = "";
  passwordError.textContent = "";
  let isValid = true;
  // Email validation
  if (email === "") {
    emailError.textContent = "Email is required";
```

```javascript
      isValid = false;
    } else if (!/^\S+@\S+\.\S+$/.test(email)) {
      emailError.textContent = "Invalid email format";
      isValid = false;
    }
    if (password === "") {
      passwordError.textContent = "Password is required";
      isValid = false;
    } else if (password.length < 6) {
      passwordError.textContent = "Password must be at least 6 characters";
      isValid = false;
    }
    if (isValid) {
      alert("Login Successful!");
    }
});
```