



INDIVIDUAL ASSIGNMENT COVERSHEET

Family Name: Malik Muhammad Given Name: Akif
Student Number: 12301357 Lecturer's/ Tutor's Name: Dr Mubashir Hussain
Subject Code & Name: ICT 726 WEB DEVELOPMENT
Assignment Title: Individual Website

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(This declaration must be completed by the student or the assignment will not be marked.)

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Malik Akif

Signature

15 / 12 / 2024

Date

Assignment Receipt

Family Name: Malik Muhammad Given Name: Akif
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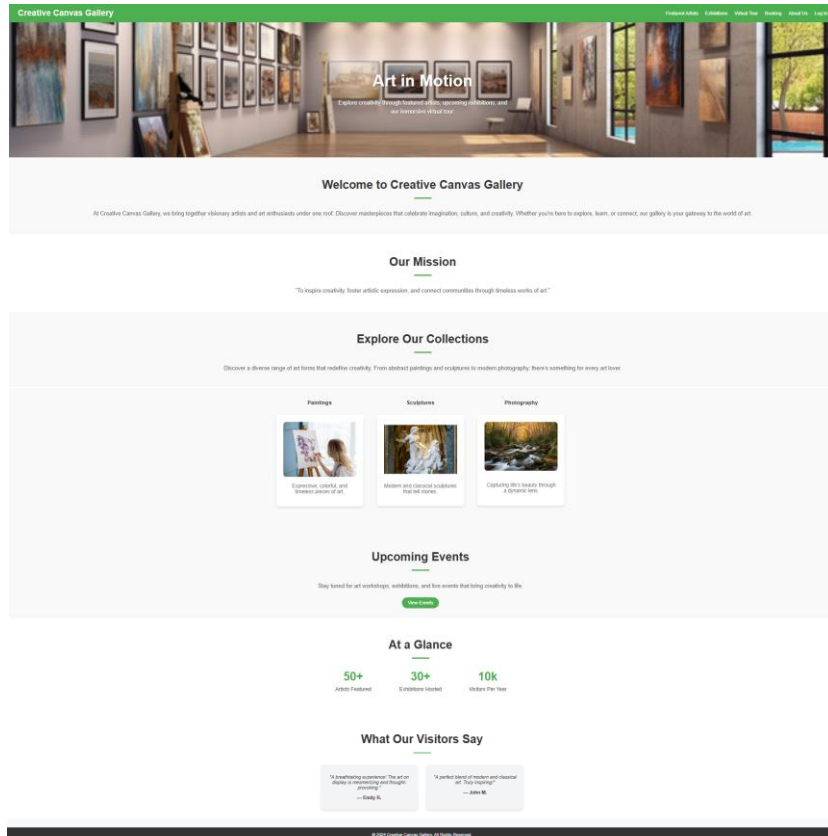
Malik Akif

Signature

15 / 12 / 2024

Date

Home Page



Home Page Features of Creative Canvas Gallery

1. Header Section

- **Logo:** The top-left displays the "Creative Canvas Gallery" logo as a title.
- **Navigation Bar:**
 - **Featured Artists**
 - **Exhibitions**
 - **Virtual Tour**
 - **Booking**
 - **About Us**
 - **Log In**

2. Hero Section

- **Main Heading:** "Art in Motion" grabs user attention with a clean, bold title.
- **Subheading:** A short description invites users to explore creativity through featured artists, exhibitions, and virtual tours.
- **Background:** Styled as a hero section, visually engaging visitors upon landing.

3. Welcome Section

- **Introduction to the Gallery:**

A paragraph welcomes users, introduces the purpose of the gallery, and emphasizes its role in bringing together art lovers and creators.

4. Mission Section

- **Mission Statement:**
Displays the gallery's mission:
"To inspire creativity, foster artistic expression, and connect communities through timeless works of art."
- **Styling:** Dark background creates contrast, making the mission stand out.

5. Explore Our Collections

- **Purpose:** Highlights key art categories with interactive cards.
- **Categories:**
 - **Paintings:** Described as expressive, colorful, and timeless.
 - **Sculptures:** Modern and classical sculptures that tell stories.
 - **Photography:** Focused on capturing beauty through dynamic lenses.
- **Interactive Cards:** Each art category features an image, description, and clickable functionality with onclick events (toggleExpand).

6. Upcoming Events

- **Heading and Content:**
Encourages visitors to check for **art workshops, exhibitions, and live events**.
A clear, actionable button labeled **"View Events"** redirects users to the Exhibitions page.

7. At a Glance (Stats Section)

- **Quick Overview of Achievements:**
 - 50+ Artists Featured
 - 30+ Exhibitions Hosted
 - 10k Visitors Per Year
- **Design:**
Each statistic is presented in individual boxes with a modern design, clear numbers, and descriptions. Styled for readability and visual balance.

8. Testimonials

- **Visitor Reviews:**
Two cards display feedback from visitors:
"A breathtaking experience! The art on display is mesmerizing and thought-provoking." — **Emily R.**
"A perfect blend of modern and classical art. Truly inspiring!" — **John M.**
- **Styling:**
Minimalist design using cards with soft shadows, rounded edges, and light backgrounds for a modern look.

9. Footer

- **Copyright Notice:**
Displays the message: *"© 2024 Creative Canvas Gallery. All Rights Reserved."*

10. Code Functional Highlights

- **Navigation Links:**

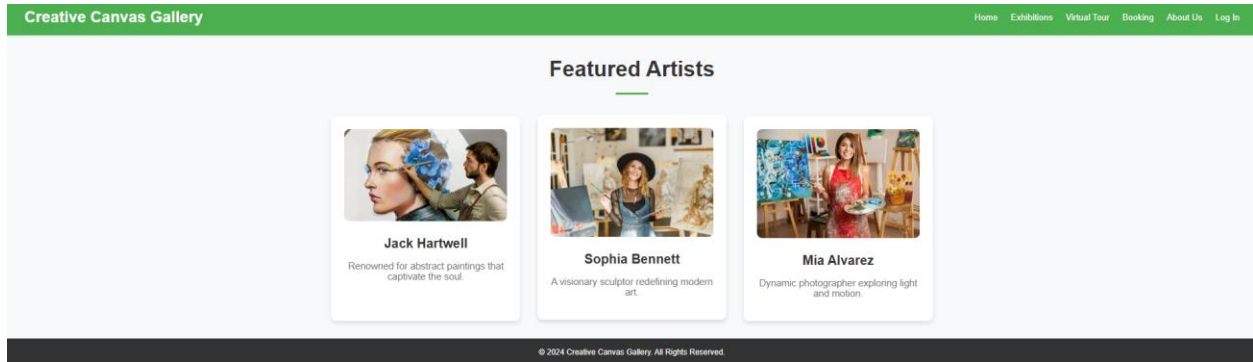
Navigation is intuitive, linking to relevant sections/pages.

- **Interactive Elements:**
Collection cards utilize onclick events with the **toggleExpand()** function (potential for interactivity, such as expanding card details).
- **Button Functionality:**
The “**View Events**” button uses `window.location.href` for navigation.
- **Structured Layout:**
Proper sectioning using semantic HTML tags (<section>, <h2>, <p>, etc.) for SEO and maintainability.

11. Design and Styling Features

- **Light and Dark Sections:** Alternating background colors enhance readability and visual flow.
- **Flex Layout:**
Collections, stats, and testimonials utilize flexible grids to align content responsively.
- **Images:**
Placeholder images (painting.png, sculpture.jpg, photograpgy.jpg) enhance visual engagement.

Featured Artist



Featured Artists Page Features

1. Header Section

- **Logo:** The top-left displays the "Creative Canvas Gallery" logo as a title.
- **Navigation Bar:**
 - Home
 - Exhibitions
 - Virtual Tour
 - Booking
 - About Us
 - Log in

2. Featured Artists Section

- **Heading:**

Prominent title: "**Featured Artists**" introduces the main content of the page. Styled with clean typography and a divider for visual appeal.
- **Artist Gallery:**

Three Featured Artists: Each artist is presented as an individual card.

Artist Cards Include:

 - Image:** A high-quality visual showcasing the artist or their work.
 - Name:** Artist's name in bold (e.g., Jack Hartwell, Sophia Bennett, Mia Alvarez).
 - Short Description:**

Provides a quick overview of the artist's expertise and style.

Example: "Renowned for abstract paintings that captivate the soul."
- **Interactive Feature:**

On-Click Toggle (toggleExpand):

 - Expands the artist card to reveal additional content.
 - Content includes a detailed description of the artist's style and achievements.
 - Example for Jack Hartwell: "His abstract pieces explore themes of human connection and the natural world..."

3. Footer

- **Copyright Notice:**

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4. Back to Top Button

- **Functionality:**

- A "**Back to Top**" button allows users to quickly navigate back to the top of the page.
- Provides smooth scrolling and improves user experience on longer pages.

5. Code Functional Highlights

- **Responsive Layout:**

- The page uses a grid layout (artist-gallery) to display artist cards side by side for a clean and organized look.
- This structure ensures responsiveness across devices.

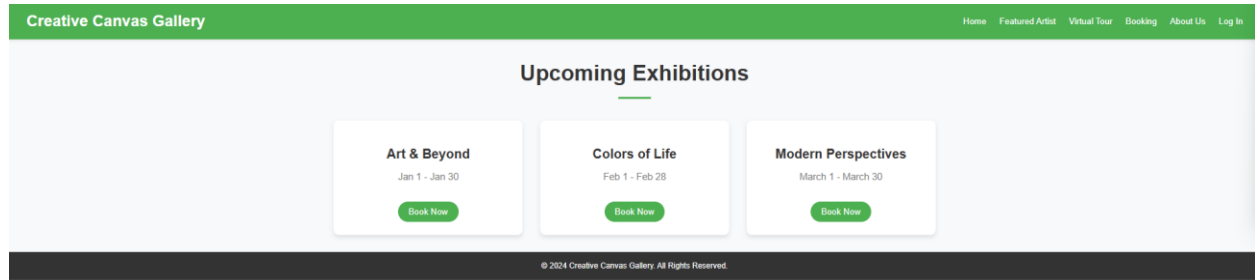
- **Interactivity:**

- `toggleExpand(this)` function enables users to interact with each artist card, showing or hiding additional content dynamically.

- **Semantic HTML:**

- Use of `<section>`, `<h3>`, `<p>`, and `<div>` tags ensures proper structure and accessibility.

Exhibition Page



Upcoming Exhibitions Page Features

1 Header Section

- **Logo:** The top-left displays the "Creative Canvas Gallery" logo as a title.
- **Navigation Bar:**
 - Home
 - Featured Artist
 - Virtual Tour
 - Booking
 - About Us
 - Log in

2. Upcoming Exhibitions Section

- **Heading:**
 - A prominent title, "Upcoming Exhibitions", introduces the section with clean typography.
 - A subtle underline enhances the heading's visual appeal.
- **Exhibition Cards:**
 - The page features **three exhibition cards**, each presenting important details in a visually engaging layout:
 1. **Art & Beyond**
 - **Dates:** Jan 1 - Jan 30
 - **CTA Button:** "Book Now" (links to the **Booking** page).
 2. **Colors of Life**
 - **Dates:** Feb 1 - Feb 28
 - **CTA Button:** "Book Now."
 3. **Modern Perspectives**
 - **Dates:** March 1 - March 30
 - **CTA Button:** "Book Now."
 - **Design Elements:**
 - Each card has:
 - A clear title for the exhibition.
 - Concise date information.
 - A green "**Book Now**" button for a direct call-to-action.
 - Cards are evenly spaced and styled with rounded edges, creating a modern, clean appearance.

3. Footer

- **Copyright Notice:**

Displays the message: *"© 2024 Creative Canvas Gallery. All Rights Reserved."*

4. Code Functional Highlights

- **Navigation Links:**
 - Links within the header (<a> tags) for page navigation.
- **Booking Functionality:**
 - The "**Book Now**" button uses `window.location.href` to redirect users to the **Booking** page.
- **Responsive Layout:**
 - Cards are organized within a grid container (artist-gallery), ensuring consistent alignment and scalability for different screen sizes.



Virtual Tour Page Features

1. Header Section

- **Logo:** The top-left displays the "Creative Canvas Gallery" logo as a title.
- **Navigation Bar:**
 - Home
 - Featured Artist
 - Exhibition
 - Booking
 - About Us
 - Log in

2. Virtual Tour Section

- **Heading:**
 - A bold and centered title, "Virtual Tour," introduces the page's main feature.
- **Description:**
 - Provides an inviting tagline:
"Take a virtual walk through our gallery and experience art like never before."
- **CTA Button:**
 - A prominent green "Start Virtual Tour" button encourages user interaction.
 - **Functionality:**
 - The button triggers a JavaScript function that redirects the user to **virtual-tour.html**, where the virtual gallery tour begins.
 - **Styling:**
 - The button stands out with a vibrant green color, rounded edges, and padding for a modern look.

3. Footer

- **Copyright Notice:**

Displays the message: "© 2024 Creative Canvas Gallery. All Rights Reserved."

4. Code Functional Highlights

- **Navigation Links:**
 - The header includes functional links for easy navigation to other pages.
- **JavaScript Interactivity:**
 - A click event listener is attached to the "Start Virtual Tour" button.
 - Upon clicking, the user is redirected to the **virtual-tour.html** page:

```
javascript
document.getElementById('start-tour').addEventListener('click', () => {
  window.location.href = 'virtual-tour.html';
});
```

Virtual Tour Page



- **Features:**
 - **360° Interactive View:**
 - Powered by A-Frame, providing users an immersive experience of the gallery space.
 - Rotatable view with mouse or touch gestures.
 - A prominent text overlay to guide the user during the experience.
 - **Simple Interface:** No additional elements to distract from the interactive experience.
 - **Responsive Design:** Adapts seamlessly to various devices, including desktops, tablets, and mobiles.

Booking Page

Exhibition Booking Page Features

1. Header Section

- **Logo:** The top-left displays the "Creative Canvas Gallery" logo as a title.
- **Navigation Bar:**
 - Home
 - Log in
 - Sign Up

2. Booking Form

- **Heading:**
 - A bold heading: "Book Your Spot" introduces the form.

- **Form Fields:**

The form includes the following input fields to gather booking details:

Select Exhibition:

- A dropdown menu allows users to choose an exhibition:
 - *Art & Beyond*
 - *Colors of Life*
 - *Modern Perspectives*
- The dropdown triggers a date range update using the `updateDates()` JavaScript function.

Select Date:

- The date picker is **disabled by default** and becomes active when an exhibition is selected.
- Available date ranges are dynamically set based on the selected exhibition:
 - **Art & Beyond:** Jan 1 - Jan 30
 - **Colors of Life:** Feb 1 - Feb 28
 - **Modern Perspectives:** March 1 - March 30

Your Name:

- A text field for entering the full name.

Your Email:

- An email input field with validation.

Your Phone Number:

- A phone input field with a **10-digit format validation**.
- Ensures users enter a valid phone number.
- **Submit Button:**
 - A "**Confirm Booking**" button submits the form.
- **Loading Indicator:**
 - A hidden "**Submitting your booking...**" message appears when the form is submitted to simulate processing time.

3. Dynamic Features

- **Date Validation:**
 - The `updateDates()` function dynamically sets the min and max dates for the date input based on the selected exhibition.
- **Form Submission:**
 - When the form is submitted:
 - The **loading message** is displayed.
 - Booking details (exhibition, date, name, email, phone) are stored in the browser's **localStorage** for demo purposes.
 - After 2 seconds, a confirmation alert is shown:
"Thank you, [Name]! Your booking for '[Exhibition]' on [Date] has been confirmed."
 - The form is reset, and the date picker is disabled again.
- **LocalStorage:**
 - Booking details are saved in `localStorage` for persistence and easy retrieval for demo only.

4. Footer

- **Copyright Notice:**

Displays the message: *"© 2024 Creative Canvas Gallery. All Rights Reserved."*

5. Code Functional Highlights

- **Dynamic Date Handling:**

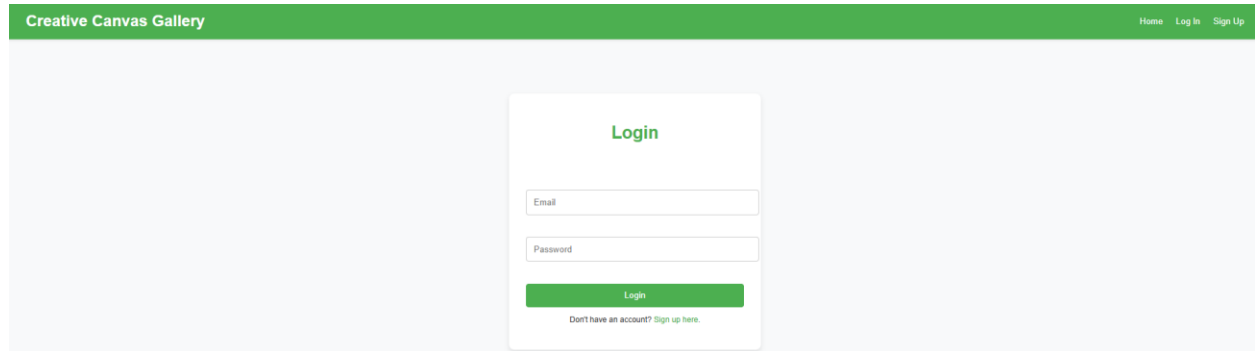
javascript

```
const dateRanges = {  
  "Art & Beyond": { start: "2024-01-01", end: "2024-01-30" },  
  "Colors of Life": { start: "2024-02-01", end: "2024-02-28" },  
  "Modern Perspectives": { start: "2024-03-01", end: "2024-03-30" },  
};
```

The `updateDates()` function ensures users can only pick dates within the valid range.

- **Form Submission Simulation:**
 - The form submission uses a `setTimeout` to simulate a backend API call for booking confirmation.
- **Phone Number Validation:**
 - Ensures users provide a valid 10-digit phone number format using the `pattern` attribute.

Login Page



Login Page Features

1. Header Section

- **Logo:** The top-left displays the "Creative Canvas Gallery" logo as a title.
- **Navigation Bar:**
 - Home
 - Log in
 - Sign Up

2. Login Form

The central focus of the page is a clean and minimal login form, which includes:

- **Heading:**
 - A centered title "**Login**" for clarity.
- **Input Fields:**
 - Email:**
 - Input for users to enter their email address.
 - Type: email ensures proper validation.
 - Password:**
 - Input for password entry with masked visibility.
 - Type: password for security.
- **Login Button:**
 - A green "**Login**" button to submit the form.
 - Styled for emphasis with a modern look.
- **Error Message:**
 - An empty div with the ID **error-message** is prepared for displaying error feedback dynamically.

3. Sign-Up Prompt

- Below the form, a message encourages new users to create an account:
 - "**Don't have an account? Sign up here.**"
 - The "**Sign up here**" link redirects users to the signup.html page.

4. Form Submission Logic

The login functionality includes a mock backend process:

- **JavaScript Implementation:**
 - On form submission:
 1. **Prevents Default Behavior:**
Ensures the form does not reload the page.
 2. **Mock Token:**
Simulates a successful login by storing a dummy token in localStorage:

javascript

```
const mockToken = 'mock-token-for-testing';  
localStorage.setItem('token', mockToken);
```

3. **Success Alert and Redirect:**
 - Displays a confirmation alert: *"Login successful!"*
 - Redirects users to the **dashboard** page (dashboard.html).

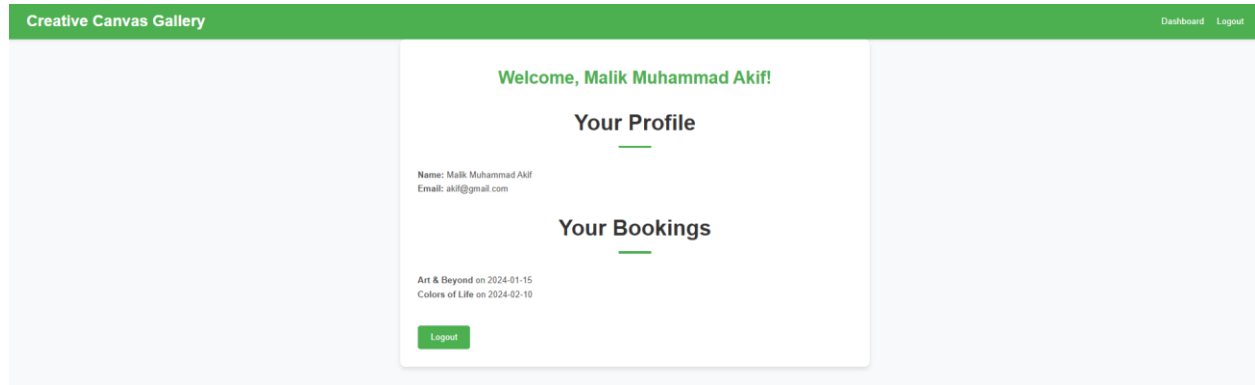
5. Code Highlights

- **Error Handling Placeholder:**
 - The error-message <div> allows for future enhancements to handle login errors (e.g., invalid credentials).
- **LocalStorage for User Session:**
 - Simulates saving a session token locally to manage login states.
- **Redirect Mechanism:**
 - Automatically sends the user to a **dashboard** page post-login:

javascript

```
window.location.href = 'dashboard.html';
```

Dashboard



Dashboard Page Features

1. Header Section

- **Logo:**
 - Displays "**Creative Canvas Gallery**" as the branding.
- **Navigation Menu:**
 - Includes quick links:
 - **Dashboard:** Current page.
 - **Logout:** Redirects the user to the homepage (index.html) and simulates logging out.

2. Welcome Section

- **Dynamic Greeting:**
 - The page welcomes the user dynamically with their name: "*Welcome, Malik Muhammad Akif!*"
 - The name is fetched dynamically from the user data in the script.

3. User Profile Section

- **Profile Information:**
 - Displays user details:
 - **Name:** *Malik Muhammad Akif*
 - **Email:** *akif@gmail.com*
 - Dynamically populated using JavaScript for a personalized experience.

4. Your Bookings Section

- **Bookings Display:**
 - Displays the user's exhibition bookings in a clean format:
 - **Art & Beyond** on **2024-01-15**
 - **Colors of Life** on **2024-02-10**
 - Each booking includes:
 - **Exhibition Name:** Highlighted in bold.
 - **Date:** Clearly presented next to the exhibition name.
- **Dynamic Loading:**

- Bookings are dynamically populated using JavaScript.
- If no bookings are found, the message *"No bookings found."* is displayed.

5. Logout Button

- A **green "Logout" button** redirects users to the homepage (index.html).
- The button effectively ends the session by simulating a logout process.

6. JavaScript Functionality

The page uses mock data to simulate a user session and bookings:

javascript

Copy code

```
const user = {
  name: 'Malik Muhammad Akif',
  email: 'akif@gmail.com',
  bookings: [
    { id: 1, exhibition: 'Art & Beyond', date: '2024-01-15' },
    { id: 2, exhibition: 'Colors of Life', date: '2024-02-10' },
  ]
};
```

1. Dynamic Content Population:

- User's name and email are injected into specific elements:

javascript

Copy code

```
document.getElementById('user-name').innerText = user.name;
document.getElementById('profile-name').innerText = user.name;
document.getElementById('profile-email').innerText = user.email;
```

2. Bookings List:

- The bookings section is populated using the map function:

javascript

Copy code

```
bookingsContainer.innerHTML = user.bookings
  .map(booking => `

<strong>${booking.exhibition}</strong> on ${booking.date}</p>`)
  .join("");


```

7. Design and Styling Features

- **Clean Layout:**
 - User information and bookings are displayed within a centered white container for better focus.
- **Typography:**
 - The headings (e.g., **Your Profile**, **Your Bookings**) use bold text with green underlines for emphasis.
- **Responsive Design:**
 - The content adjusts to fit screens of various sizes, ensuring accessibility.
- **Color Palette:**

- Green accents (header, button) match the overall theme of the Creative Canvas Gallery website.

8. User Experience

- **Personalized Dashboard:**
 - Provides users with their profile details and upcoming bookings for exhibitions.
- **Clear Navigation:**
 - Users can return to the dashboard or log out effortlessly.
- **Interactive Feedback:**
 - Bookings are loaded dynamically, improving user engagement.

AI Assistance Explanation

AI Tools Used:

- AI-assisted coding for expandable artist cards, dynamic date picker logic in JavaScript, and A-Frame integration for the virtual tour.
- Styling: Suggestions for CSS enhancements like shadows, hover effects, and responsive layouts.
- Prompts used
 - How to display the 3D image to showcase a virtual tour
 - Give some content to write in about us, about the artists and exhibition
 - How to apply a shadow and hover effect for the containers

Planned Customizations:

- Refine layout spacing and typography

[**Link To drive**](#)