**WEB DEVELOPMENT**

**TASK 2: CREATING A LANDING PAGE**

<https://github.com/Mehtab-Bi/Mehtab.devtern.git>

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**ABSTRACT:**

This project revolves around the creation of a visually captivating and user-friendly landing page for a sunglass shop. The objective was to design a platform that not only showcases the sunglass collection but also provides an immersive experience for visitors. Through meticulous attention to detail and creative design elements, the landing page aims to convey the brand's essence of style, quality, and innovation. Key features include a responsive layout, intuitive navigation, and engaging content sections such as hero banners, product showcases, and contact forms. By blending aesthetics with functionality, the landing page serves as a compelling entry point for customers to explore the sunglass shop's offerings and connect with the brand.

**INTRODUCTION:**

Welcome to our Sunglass Shop landing page, where style meets innovation! Developed using HTML, CSS, and JavaScript, this project embodies our motto of blending creativity with functionality to create a seamless user experience. Our aim was to design a visually stunning platform that not only showcases our sunglass collection but also engages visitors with interactive elements and intuitive navigation. From the responsive layout crafted with HTML to the sleek design elements styled with CSS, every aspect of this landing page reflects our commitment to excellence. With JavaScript adding interactivity and dynamic features, our goal is to provide a memorable experience for every visitor who explores our site. Join us on this journey as we redefine the way sunglasses are presented and experienced online.

**THE LANDING PAGE:**

**index.html:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sunglass Landing Page</title>

<link rel="stylesheet" href="styles.css">

<style>

/\* CSS for Explore message \*/

.explore-message {

color: black; /\* Set the color to black \*/

}

/\* CSS for message after form submission \*/

.assistance-message {

color: green;

font-weight: bold;

margin-top: 10px;

}

</style>

</head>

<body>

<header>

<nav>

<ul>

<li><a href="#about">About</a></li>

<li><a href="#features">Features</a></li>

<li><a href="#pricing">Pricing</a></li>

<li><a href="#contact">Contact</a></li>

</ul>

</nav>

</header>

<section class="hero">

<div class="hero-content">

<h1 style="color: black;">Stylish Sunglasses</h1>

<p style="color: white;">Discover the latest trends in eyewear.</p>

<a href="shop.html" class="cta-button" id="shop-now-button">Shop Now</a>

<p class="explore-message">Click on the "Shop Now" button to explore a wide variety of sunglasses.</p>

</div>

</section>

<section id="about" class="about">

<h2>About Us</h2>

<p>We are passionate about providing high-quality sunglasses that combine style and functionality. Our mission is to help you look and feel your best while protecting your eyes from the sun's harmful rays.</p>

</section>

<section id="features" class="features">

<h2>Key Features</h2>

<ul>

<li>Polarized lenses for glare reduction</li>

<li>UV protection to shield your eyes from harmful sun rays</li>

<li>Durable and lightweight frames for all-day comfort</li>

</ul>

</section>

<section id="pricing" class="pricing">

<h2>Pricing</h2>

<p>Find the perfect pair at the right price:</p>

<ul>

<li>Classic Collection - $50</li>

<li>Sport Collection - $60</li>

<li>Luxury Collection - $80</li>

</ul>

</section>

<section id="contact" class="contact">

<h2>Contact Us</h2>

<p>Have questions or need assistance? Contact our customer support team:</p>

<form id="contact-form">

<input type="text" placeholder="Name" required>

<input type="email" placeholder="Email" required>

<textarea placeholder="Message" required></textarea>

<button type="submit">Send</button>

</form>

<div class="assistance-message" id="assistance-message"></div>

</section>

<footer>

<p>&copy; 2024 Sunglass Co.</p>

</footer>

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

<script>

// Get the form element

const form = document.getElementById('contact-form');

// Get the message element

const message = document.getElementById('assistance-message');

// Add event listener for form submission

form.addEventListener('submit', function(event) {

// Prevent default form submission

event.preventDefault();

// Display the message after form submission

message.textContent = 'Thank you! You will be provided with assistance soon.';

});

</script>

</body>

</html>

**EXPLAINATION:**

1. Top of Form
2. **DOCUMENT STRUCTURE:**

* The code starts with the document type declaration **<!DOCTYPE html>**, indicating it's an HTML5 document.
* The **<html>** element wraps the entire HTML content and sets the language attribute to "en" for English.

1. **HEAD SECTION:**

* Contains metadata and links to external resources.
* **<meta charset="UTF-8">**: Specifies the character encoding of the document as UTF-8.
* **<meta name="viewport" content="width=device-width, initial-scale=1.0">**: Configures the viewport for responsive design.
* **<title>**: Sets the title of the webpage.
* **<link rel="stylesheet" href="styles.css">**: Links an external CSS file named "styles.css".
* Internal **<style>** block: Defines some inline CSS rules for **.explore-message** and **.assistance-message** classes.

1. **BODY SECTION:**

* **<body>**: Contains the visible content of the webpage.
* **Header**: Contains navigation links (**<nav>**) wrapped in an unordered list (**<ul>**).
* **Sections**: Divides the content into different sections such as hero, about, features, pricing, and contact. Each section has a unique ID for navigation.
* **Forms**: There's a contact form (**<form>**) under the contact section. It has input fields for name, email, and message, and a submit button.
* **Footer**: Contains copyright information.

1. **SCRIPTS:**

* **<script src="script.js"></script>**: Links an external JavaScript file named "script.js".
* Inline **<script>**: Contains JavaScript code directly embedded within the HTML document.
* It selects the form element with the id **contact-form** and a div element with the id **assistance-message**.
* Adds an event listener to the form for the 'submit' event.
* When the form is submitted, it prevents the default form submission behavior, then changes the text content of the **assistance-message** div to "Thank you! You will be provided with assistance soon."

In summary, this HTML document creates a landing page for a sunglass company with navigation, sections for different content, a contact form, and some interactivity using JavaScript for form submission handling.

**styles.css:**

/\* Global styles \*/

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

line-height: 1.6;

}

a {

text-decoration: none;

color: #333;

}

/\* Header styles \*/

header {

background-color: #333;

color: #fff;

padding: 20px 0;

}

nav ul {

list-style-type: none;

margin: 0;

padding: 0;

}

nav ul li {

display: inline;

margin-right: 20px;

}

nav ul li a {

color: #fff;

}

/\* Hero section styles \*/

.hero {

text-align: center;

padding: 100px 0;

background-image: url('sun.jpg');

background-size: cover;

color: #fff;

}

.hero h1 {

font-size: 3rem;

margin-bottom: 20px;

}

.hero p {

font-size: 1.2rem;

margin-bottom: 30px;

}

.cta-button {

display: inline-block;

background-color: #ff9900;

color: #fff;

padding: 15px 30px;

font-size: 1.2rem;

border-radius: 5px;

text-transform: uppercase;

}

.cta-button:hover {

background-color: #ffcc00;

}

/\* About section styles \*/

.about {

background-color: #f2f2f2;

padding: 50px 0;

text-align: center;

}

.about h2 {

margin-bottom: 20px;

}

/\* Features section styles \*/

.features {

padding: 50px 0;

text-align: center;

}

.features h2 {

margin-bottom: 20px;

}

.features ul {

list-style-type: none;

padding: 0;

}

.features ul li {

margin-bottom: 10px;

}

/\* Pricing section styles \*/

.pricing {

background-color: #333;

color: #fff;

padding: 50px 0;

text-align: center;

}

.pricing h2 {

margin-bottom: 20px;

}

.pricing ul {

list-style-type: none;

padding: 0;

}

.pricing ul li {

margin-bottom: 10px;

}

/\* Contact section styles \*/

.contact {

padding: 50px 0;

text-align: center;

}

.contact h2 {

margin-bottom: 20px;

}

.contact form {

margin-top: 20px;

}

.contact input[type="text"],

.contact input[type="email"],

.contact textarea {

width: 100%;

padding: 10px;

margin-bottom: 20px;

border: 1px solid #ccc;

border-radius: 5px;

}

.contact button[type="submit"] {

background-color: #ff9900;

color: #fff;

padding: 10px 20px;

border: none;

border-radius: 5px;

cursor: pointer;

font-size: 1rem;

}

.contact button[type="submit"]:hover {

background-color: #ffcc00;

}

/\* Sunglass modal styles \*/

.sunglasses-modal {

display: none;

position: fixed;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

background-color: #fff;

padding: 20px;

border-radius: 10px;

z-index: 1000;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.3);

}

.sunglasses-container {

display: flex;

flex-wrap: wrap;

justify-content: center;

}

.sunglasses-card {

width: 200px;

margin: 10px;

padding: 10px;

border: 1px solid #ccc;

border-radius: 5px;

}

.close-modal {

display: block;

margin: 20px auto;

padding: 10px 20px;

background-color: #333;

color: #fff;

border: none;

border-radius: 5px;

cursor: pointer;

}

.overlay {

display: none;

position: fixed;

top: 0;

left: 0;

width: 100%;

height: 100%;

background-color: rgba(0, 0, 0, 0.5);

z-index: 999;

}

**EXPLANATION:**

1. **GLOBAL STYLES:**

* **body:** Sets the font family, margin, padding, and line height for the entire document.
* **a**: Styles anchor elements to remove underlines and set text color.

1. **HEADER STYLES:**

* **header**: Styles the header section with a background color, white text color, and padding.
* **nav ul**: Styles the unordered list inside the navigation to remove default list styles.
* **nav ul li**: Styles list items within the navigation to display inline with a margin-right.
* **nav ul li a**: Styles anchor elements within list items to have white text color.

1. **HERO SECTION STYLES:**

* **.hero**: Styles the hero section with centered text, padding, background image, and white text color.
* **.hero h1**: Styles the heading within the hero section with a large font size and margin-bottom.
* **.hero p**: Styles paragraphs within the hero section with a font size and margin-bottom.
* **.cta-button**: Styles call-to-action buttons with a background color, text color, padding, font size, border radius, and text transformation.
* **.cta-button:hover**: Styles the hover state of the call-to-action button with a different background color.

1. **SUNGLASS MODAL SECTION:**

* **.sunglasses-modal**: Styles a modal for displaying sunglass information. It sets it to be hidden initially and positions it in the center of the viewport with a background color, padding, border radius, and box shadow.
* **.sunglasses-container**: Styles a container for sunglass cards with flex display, wrapping, and center alignment.
* **.sunglasses-card**: Styles individual sunglass cards with a fixed width, margin, padding, border, and border radius.
* **.close-modal**: Styles a button for closing the modal with margin, padding, background color, text color, border, border radius, and cursor.
* **.overlay**: Styles an overlay for the modal with a semi-transparent black background that covers the entire viewport.

Overall, this CSS code provides a consistent and visually appealing design for various sections of the webpage, including navigation, hero section, about section, features section, pricing section, contact section, and a modal for displaying sunglass information.

**shop.html:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sunglass Shop</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f4f4f4;

}

header {

background-color: #333;

color: #fff;

padding: 10px;

}

header ul {

list-style-type: none;

margin: 0;

padding: 0;

}

header ul li {

display: inline;

margin-right: 20px;

}

header ul li a {

text-decoration: none;

color: #fff;

}

.shop {

padding: 20px;

}

.sunglass-option {

display: inline-block;

width: 30%;

margin: 10px;

padding: 10px;

border: 1px solid #ccc;

border-radius: 5px;

text-align: center;

background-color: #fff;

transition: transform 0.3s ease;

}

.sunglass-option:hover {

transform: translateY(-5px);

}

.sunglass-option img {

max-width: 100%;

height: auto;

border-radius: 5px;

}

.add-to-cart-button {

background-color: #007bff;

color: #fff;

border: none;

padding: 8px 16px;

border-radius: 5px;

cursor: pointer;

margin-top: 10px;

}

.add-to-cart-button:hover {

background-color: #0056b3;

}

.checkout-section {

background-color: #fff;

padding: 20px;

border-radius: 5px;

margin-top: 20px;

display: none;

}

.checkout-section h2 {

color: #333;

}

.checkout-section p {

color: #555;

}

.checkout-section form {

margin-top: 10px;

}

.checkout-section label {

display: block;

margin-bottom: 5px;

color: #333;

}

.checkout-section textarea {

width: 100%;

padding: 10px;

border-radius: 5px;

border: 1px solid #ccc;

margin-bottom: 10px;

}

.checkout-section button {

background-color: #28a745;

color: #fff;

border: none;

padding: 10px 20px;

border-radius: 5px;

cursor: pointer;

}

.checkout-section button:hover {

background-color: #218838;

}

#thank-you-message {

display: none;

background-color: #28a745;

color: #fff;

padding: 20px;

border-radius: 5px;

margin-top: 20px;

}

</style>

</head>

<body>

<header>

<ul>

<li><a href="#about">About</a></li>

<li><a href="#features">Features</a></li>

<li><a href="#pricing">Pricing</a></li>

<li><a href="#contact">Contact</a></li>

</ul>

</header>

<section class="shop">

<h1>Sunglass Options</h1>

<div class="sunglass-options">

<div class="sunglass-option">

<img src="sunglass1.jpg" alt="Sunglasses">

<h3>Rayban Premium</h3>

<p>Gender-Unisex, Free size, Material-Metal-bendable</p>

<p>$50</p>

<button class="add-to-cart-button" onclick="addToCart('Rayban Premium', 50)">Add to Cart</button>

</div>

<div class="sunglass-option">

<img src="sunglass2.jpg" alt="Grey">

<h3>Rayban Grey shaded</h3>

<p>Lens-UV 400 protected-Glass Frame Material-Metal, Gender-Unisex</p>

<p>$45</p>

<button class="add-to-cart-button" onclick="addToCart('Rayban Grey shaded', 45)">Add to Cart</button>

</div>

<div class="sunglass-option">

<img src="sunglass3.jpg" alt="Sunglasses">

<h3>Rayban Blue shaded</h3>

<p>Gender-Unisex, Material-Plastic,Metal</p>

<p>$50</p>

<button class="add-to-cart-button" onclick="addToCart('Rayban Blue shaded', 50)">Add to Cart</button>

</div>

</div>

</section>

<div class="checkout-section" id="checkout-section">

<h2>Checkout</h2>

<p>Total Sunglasses in Cart: <span id="cart-counter">0</span></p>

<form onsubmit="checkout()">

<label for="address">Enter your address:</label>

<textarea id="address" name="address" rows="4" cols="50" required></textarea>

<button type="submit">Proceed to Checkout</button>

</form>

</div>

<div id="thank-you-message">

<h2>Thank You for Shopping!</h2>

<p>Your order will be delivered soon. You can make the payment by COD</p>

</div>

<footer>

<p>&copy; 2024 Sunglass Co.</p>

</footer>

<script>

// Counter for the total number of sunglasses in the cart

let cartCounter = 0;

// Function to add sunglass to the cart

function addToCart(sunglassName, price) {

// Increment the cart counter

cartCounter++;

// Update the cart counter display

document.getElementById("cart-counter").textContent = cartCounter;

// Show the checkout section

document.getElementById("checkout-section").style.display = "block";

// Logic to add sunglass to the cart (can be implemented with localStorage or backend)

// For simplicity, let's just display the sunglass name and price in the console

console.log("Added to cart: " + sunglassName + " - $" + price);

}

// Function to handle form submission and display thank you message

function checkout() {

// Prevent default form submission behavior

event.preventDefault();

// Hide the checkout section

document.getElementById("checkout-section").style.display = "none";

// Show the thank you message

document.getElementById("thank-you-message").style.display = "block";

}

</script>

</body>

</html>

**EXPLANATION:**

1. **DOCUMENT STRUCTURE:**

* The **<!DOCTYPE html>** declaration specifies that this is an HTML5 document.
* The **<html>** element wraps the entire HTML content and sets the language attribute to "en" for English.

1. **HEAD SECTION:**

* Contains Metadata and internal CSS Styles.
* Meta tag defines the character set and viewport settings.
* The **<title>** tag sets the title of the webpage.
* Internal **<style>** block contains CSS rules for styling the page elements like body, header, sunglass options, checkout section, etc.

1. **BODY SECTION:**

* **Header**: Contains navigation links (unordered list inside a header tag).
* **Shop Section**: Displays sunglass options with images, descriptions, prices, and "Add to Cart" buttons. Each sunglass option is contained within a **<div>** element with the class "sunglass-option".
* **Checkout Section**: Initially hidden, it appears when an item is added to the cart. It shows the total number of sunglasses in the cart and a form for entering the address. Upon submission, it triggers the checkout function.
* **Thank You Message**: Initially hidden, it appears after the form submission. It thanks the user for shopping and provides additional instructions.
* **Footer**: Contains copyright information.

1. **SCRIPTS:**

* JavaScript code is embedded within the **<script>** tags.
* The **addToCart** function increments the cart counter, displays the checkout section, and logs the selected sunglass details to the console.
* The **checkout** function prevents the default form submission behavior, hides the checkout section, and shows the thank you message upon form submission.

Overall, this code creates a simple sunglass shop webpage with basic functionality for browsing, adding items to a cart, and proceeding to checkout. The interactions are handled using JavaScript, and the styling is done using CSS.