Project 2

Create a simple structure for the slider with a container, images, and navigation buttons.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Image Slider</title>

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

</head>

<body>

<div class="slider">

<div class="slides">

<img src="image1.jpg" class="slide" alt="Image 1">

<img src="image2.jpg" class="slide" alt="Image 2">

<img src="image3.jpg" class="slide" alt="Image 3">

<img src="image4.jpg" class="slide" alt="Image 4">

</div>

<button class="prev" onclick="prevSlide()">❮</button>

<button class="next" onclick="nextSlide()">❯</button>

</div>

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

</body>

</html>

Style the slider container, add animations, and ensure responsiveness.

/\* styles.css \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

background-color: #f0f0f0;

}

.slider {

position: relative;

width: 80%;

max-width: 600px;

overflow: hidden;

border-radius: 10px;

box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.2);

}

.slides {

display: flex;

width: 400%;

transition: transform 0.5s ease-in-out;

}

.slide {

width: 100%;

height: 300px;

object-fit: cover;

}

button {

position: absolute;

top: 50%;

transform: translateY(-50%);

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

color: white;

border: none;

padding: 10px;

cursor: pointer;

font-size: 20px;

}

button.prev {

left: 10px;

}

button.next {

right: 10px;

}

button:hover {

background-color: rgba(0, 0, 0, 0.8);

}

Implement logic for navigation and auto-sliding.

// script.js

let index = 0;

function showSlide(n) {

const slides = document.querySelector('.slides');

const totalSlides = document.querySelectorAll('.slide').length;

if (n >= totalSlides) {

index = 0;

} else if (n < 0) {

index = totalSlides - 1;

} else {

index = n;

}

slides.style.transform = `translateX(${-index \* 100}%)`;

}

function nextSlide() {

showSlide(index + 1);

}

function prevSlide() {

showSlide(index - 1);

}

// Auto-slide every 3 seconds

setInterval(() => {

nextSlide();

}, 3000);