**Dynamic Image Slider Program**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Dynamic Image Slider</title>

<style>

\* {

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

display: flex;

flex-direction: column;

align-items: center;

justify-content: center;

height: 100vh;

margin: 0;

background: #f1f1f1;

}

h1 {

margin-bottom: 20px;

color: #333;

}

.slider {

width: 80%;

max-width: 600px;

position: relative;

overflow: hidden;

border-radius: 15px;

box-shadow: 0 5px 15px rgba(0,0,0,0.2);

}

.slides {

display: flex;

transition: transform 0.6s ease-in-out;

}

.slides img {

width: 100%;

border-radius: 15px;

}

.caption {

margin-top: 10px;

font-size: 18px;

color: #555;

text-align: center;

min-height: 24px;

}

.prev, .next {

position: absolute;

top: 50%;

transform: translateY(-50%);

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

color: #fff;

border: none;

padding: 10px;

cursor: pointer;

border-radius: 50%;

font-size: 18px;

}

.prev { left: 10px; }

.next { right: 10px; }

.dots {

text-align: center;

margin-top: 10px;

}

.dot {

height: 10px;

width: 10px;

margin: 5px;

background-color: #bbb;

border-radius: 50%;

display: inline-block;

cursor: pointer;

}

.active {

background-color: #333;

}

</style>

</head>

<body>

<h1>Dynamic Image Slider</h1>

<div class="slider">

<div class="slides" id="slideContainer">

<!-- Images will be dynamically loaded here -->

</div>

<button class="prev" onclick="moveSlide(-1)">❮</button>

<button class="next" onclick="moveSlide(1)">❯</button>

</div>

<div class="caption" id="captionText"></div>

<div class="dots" id="dotsContainer"></div>

<script>

const images = [

{

src: "https://picsum.photos/id/1018/800/400",

caption: "Mountain View"

},

{

src: "https://picsum.photos/id/1020/800/400",

caption: "Wild Animal"

},

{

src: "https://picsum.photos/id/1024/800/400",

caption: "Wild Bird"

},

{

src: "https://picsum.photos/id/1037/800/400",

caption: "Sun Shine"

}

];

const slideContainer = document.getElementById("slideContainer");

const dotsContainer = document.getElementById("dotsContainer");

const captionText = document.getElementById("captionText");

let currentIndex = 0;

images.forEach((imgObj, index) => {

const img = document.createElement("img");

img.src = imgObj.src;

slideContainer.appendChild(img);

const dot = document.createElement("span");

dot.classList.add("dot");

dot.addEventListener("click", () => showSlide(index));

dotsContainer.appendChild(dot);

});

const totalSlides = images.length;

const dots = document.querySelectorAll(".dot");

function showSlide(index) {

currentIndex = (index + totalSlides) % totalSlides;

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

dots.forEach(dot => dot.classList.remove("active"));

dots[currentIndex].classList.add("active");

captionText.textContent = images[currentIndex].caption;

}

function moveSlide(step) {

showSlide(currentIndex + step);

}

setInterval(() => {

moveSlide(1);

}, 3000);

showSlide(currentIndex);

</script>

</body>

</html>