

Image Slider Project

Introduction

An **image slider** is a popular web component that allows users to navigate through a collection of images smoothly. It is commonly used in modern web design to enhance user experience, making content more interactive and visually engaging.

HTML Structure

The **HTML structure** defines the layout of the image slider. It includes:

- A **container** that holds all the images.
- **Navigation buttons** for moving between images.
- **Indicators** to show the current slide.

Each image is wrapped inside a parent container, and JavaScript ensures that only one image is displayed at a time.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responsive Card Slider</title>
  <link rel="stylesheet" href="style.css">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@11/swiper-bundle.min.css" />
</head>
<body>
  <div class="slide-container swiper">
    <div class="slide-content">
      <div class="card-wrapper swiper-wrapper">
        <div class="card swiper-slide">
          <div class="image-content">
            <span class="overlay"></span>
            <div class="card-image">
              
            </div>
          </div>
          <div class="card-content">
            <h2 class="name">David John</h2>
            <p class="description">The lorem text the section that contains dummy text. </p>
            <button class="button">View More</button>
          </div>
        </div>
      </div>
    </div>
  </div>
```

CSS Styling

The **CSS** is responsible for designing the slider, ensuring smooth transitions and a modern appearance. Key aspects include:

- **Layout & Positioning**: The slider is centered with properly aligned images.
- **Transitions & Animations**: Smooth fading or sliding effects for better visual appeal.
- **Responsive Design**: Ensures the slider adapts well to different screen sizes.

```

1  /* I compressed the code to take the screenshot. */
2  @import "https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap";*{margin:0;padding:0;box-sizing:border-box;
font-family:'Poppins',sans-serif}body{height:100vh;display:flex;align-items:center;justify-content:center;background-color:#f4f4f4}.
slide-container{max-width:1120px;width:100%;padding:40px 0}.slide-content{margin:0 40px;overflow:hidden;border-radius:25px}.card
{border-radius:25px;background-color:#fff}.image-content,.card-content{display:flex;flex-direction:column;align-items:center;
padding:10px 14px}.image-content{position:relative;row-gap:5px;padding:25px 0}.overlay{position:absolute;left:0;top:0;height:100%;
width:100%;background-color:#4070f4;border-radius:25px 25px 0 25px}.overlay::before,.overlay::after{content:'';position:absolute;right:0;
bottom:-40px;height:40px;width:40px;background-color:#4070f4}.overlay::after{border-radius:0 25px 0 0;background-color:#fff}.card-image
{position:relative;height:150px;width:150px;border-radius:50%;background:#fff;padding:3px}.card-image .card-img{height:100%;width:100%;
object-fit:cover;border-radius:50%;border:4px solid #4070f4}.name{font-size:18px;font-weight:500;color:#333}.description{font-size:14px
color:#707070;text-align:center}.button{border:none;font-size:16px;color:#fff;padding:8px 16px;background-color:#4070f4;
border-radius:6px;margin:14px;cursor:pointer;transition:all .3s ease}.button:hover{background:#265df2}.swiper-navBtn{color:#6e93f7;
transition:color .3s ease}.swiper-navBtn:hover{color:#4070f4}.swiper-navBtn::before,.swiper-navBtn::after{font-size:40px}.
swiper-button-next{right:0;margin-right:-12px}.swiper-button-prev{left:0;margin-left:-12px}.swiper-pagination-bullet
{background-color:#6e93f7;opacity:1}.swiper-pagination-bullet-active{background-color:#4070f4}@media screen and (max-width: 768px){
swiper-button-prev{margin-top:-11%}}

```

JavaScript Functionality

The **JavaScript** adds interactivity and controls the sliding effect. It:

- **Listens for user interactions** on the navigation buttons.
- **Updates the displayed image dynamically**, ensuring smooth transitions.
- **Loops through images**, allowing seamless navigation.

Auto-play functionality can also be added for an automated experience.

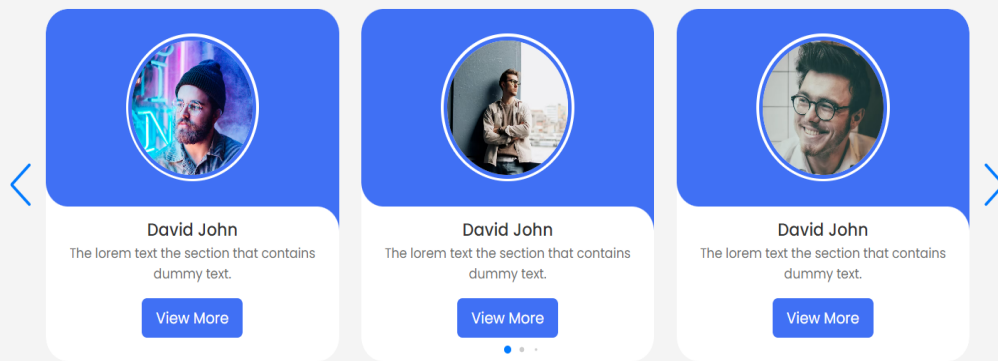
```

var swiper = new Swiper(".slide-content", {
  slidesPerView: 3,
  spaceBetween: 25,
  loop: true,
  centerSlide: 'true',
  fade: 'true',
  grabCursor: 'true',
  pagination: {
    el: ".swiper-pagination",
    clickable: true,
    dynamicBullets: true,
  },
  navigation: {
    nextEl: ".swiper-button-next",
    prevEl: ".swiper-button-prev",
  },

  breakpoints:{
    0: {
      slidesPerView: 1,
    },
    520: {
      slidesPerView: 2,
    },
    950: {
      slidesPerView: 3,
    },
  },
});

```

Output Preview



Conclusion

This **image slider project** effectively demonstrates the combined power of **HTML, CSS, and JavaScript**. By understanding its structure, styling, and scripting, developers can enhance its functionality, customize transitions, and optimize it for different use cases, making it a **valuable addition to any website**.