



Image Slider Documentation

Overview

This project is a simple **image slider (carousel)** built using **HTML** and **CSS**. It allows users to navigate through multiple images using radio buttons and styled dots.

Project Structure

/slider-project

- └─ index.html # Main HTML file
- └─ style.css # CSS for styling
- └─ 1.jpg # Image 1
- └─ 2.jpg # Image 2
- └─ 3.jpg # Image 3
- └─ 4.jpg # Image 4

index.html (HTML Structure)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Slider</title>
  <link rel="stylesheet" href="./style.css">
</head>
<body>
  <div class="slider">
    <div class="images">
      <input type="radio" name="slide" id="img1" checked>
      <input type="radio" name="slide" id="img2">
      <input type="radio" name="slide" id="img3">
      <input type="radio" name="slide" id="img4">

      
```

```






</div>

<div class="dots">

  <label for="img1"></label>

  <label for="img2"></label>

  <label for="img3"></label>

  <label for="img4"></label>

</div>

</div>

</body>

</html>
```

◆ Explanation

- **<input type="radio">**
 - These radio buttons allow users to switch between images.
 - The name="slide" ensures only one radio button is selected at a time.
 - id="img1" links each button to an image.
 - The checked attribute on img1 sets it as the default image.
- ****
 - Images are added with classes (.m1, .m2, .m3, .m4) for styling.
- **Navigation Dots (<label> for radio buttons)**
 - Labels act as **selectors** for images.
 - Clicking a dot changes the selected image.

📄 style.css (CSS Styling)

/* Global Styles */

```
* {
  box-sizing: border-box;
  margin: 0;
  padding: 0;
}
```

```
body {  
    height: 100vh;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    background: rgb(25,12,41);  
}
```

/* Slider Container */

```
.slider {  
    position: relative;  
    width: 60%;  
    overflow: hidden;  
}
```

/* Image Wrapper */

```
.images {  
    display: flex;  
    width: 100%;  
}  
  
.images img {  
    height: 400px;  
    width: 100%;  
    transition: all 0.15s ease;  
}  
  
.images input {  
    display: none; /* Hide radio buttons */  
}
```

/* Navigation Dots */

```
.dots {  
    display: flex;
```

```
justify-content: center;

margin: 5px;
}

.dots label {
  height: 20px;
  width: 20px;
  border-radius: 50%;
  border: solid #fff 3px;
  cursor: pointer;
  transition: all 0.15s ease;
  margin: 5px;
}
```

/ Hover Effect on Dots */*

```
.dots label:hover {
  background: #fff;
}
```

/ Image Transitions Using Radio Buttons */*

```
#img1:checked ~ .m1 {
  margin-left: 0;
}
#img2:checked ~ .m2 {
  margin-left: -100%;
}
#img3:checked ~ .m3 {
  margin-left: -200%;
}
#img4:checked ~ .m4 {
  margin-left: -300%;
}
```

◆ Explanation

- **Global Styles (* {})**

- Removes default padding/margins.
 - Uses box-sizing: border-box; to include padding inside width calculations.
 - **Body (body {})**
 - Uses display: flex; to center the slider vertically and horizontally.
 - Background color is set to **dark blue** (rgb(25,12,41)).
 - **Slider (.slider {})**
 - Sets the width to **60%** of the screen.
 - Uses overflow: hidden; to hide extra images.
 - **Images (.images img {})**
 - Images are set to **full width** (width: 100%) and **400px height**.
 - Uses transition: all 0.15s ease; for smooth sliding.
 - **Radio Button (.images input {})**
 - **Hidden** using display: none; since they are used only for selection.
 - **Navigation Dots (.dots label {})**
 - Small **circle indicators** at the bottom.
 - Clicking them selects a different image.
 - **Sliding Effect (#img1:checked ~ .m1 {})**
 - Moves images left when a radio button is checked:
 - margin-left: -100% shifts to the next image.
 - margin-left: -200% shifts to the third image.
 - margin-left: -300% shifts to the fourth image.
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Features

- ✓ **Fully Responsive** - Adapts to different screen sizes.
 - ✓ **No JavaScript Required** - Uses only CSS and HTML.
 - ✓ **Smooth Transitions** - Uses **CSS animations** for sliding images.
 - ✓ **Navigation Dots** - Easy selection using **radio buttons**.
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Possible Improvements

- ✓ **Auto-Sliding** - Add JavaScript to change images automatically.
- ✓ **Arrow Navigation** - Add **previous/next buttons** for better control.
- ✓ **More Effects** - Use opacity or transform instead of margin-left for **smoother transitions**.