5. Create an image carousel using React JS.

**App.js**

import React from 'react';

import './App.css';

import ImageCarousel from './components/ImageCarousel';

const App = () => {

const images = [

'https://via.placeholder.com/600x300?text=Image1',

'https://via.placeholder.com/600x300?text=Image2',

'https://via.placeholder.com/600x300?text=Image3',

];

return (

<div className="App">

<h1>Image Carousel App</h1>

<ImageCarousel images={images} />

</div>

);

};

export default App;

ImageCarousel.js

import React, { useState } from 'react';

import './ImageCarousel.css';

const ImageCarousel = ({ images }) => {

const [currentIndex, setCurrentIndex] = useState(0);

const handlePrev = () => {

setCurrentIndex((prevIndex) => (prevIndex === 0 ? images.length - 1 : prevIndex - 1));

};

const handleNext = () => {

setCurrentIndex((prevIndex) => (prevIndex === images.length - 1 ? 0 : prevIndex + 1));

};

return (

<div className="image-carousel">

<button className="carousel-button" onClick={handlePrev}>

Prev

</button>

<img className="carousel-image" src={images[currentIndex]} alt={`Image ${currentIndex}`} />

<button className="carousel-button" onClick={handleNext}>

Next

</button>

</div>

);

};

export default ImageCarousel;

ImageCarousel.css

.image-carousel {

display: flex;

align-items: center;

justify-content: center;

width: 100%;

height: 300px;

}

.carousel-image {

max-width: 100%;

max-height: 100%;

}

.carousel-button {

background-color: #333;

color: #fff;

border: none;

padding: 10px 20px;

cursor: pointer;

font-size: 16px;

}

.carousel-button:focus {

outline: none;

}