

LEVEL 3: TASK 1

```
import React, { useState, useEffect } from 'react';
```

```
import { X } from 'lucide-react';
```

```
// Sample images from Unsplash
```

```
const images = [
```

```
{
```

```
  id: 1,
```

```
  thumbnail: 'https://www.jdiet.ac.in/slider_image_url/1680947711643139ff02b23.png',
```

```
  full: 'https://www.jdiet.ac.in/slider_image_url/1680947711643139ff02b23.png',
```

```
  alt: 'JDIET'
```

```
},
```

```
{
```

```
  id: 2,
```

```
  thumbnail: 'https://jdiet.ac.in/hostel_images/2.jpeg',
```

```
  full: 'https://jdiet.ac.in/hostel_images/2.jpeg',
```

```
  alt: 'JDIET BOYS HOSTEL'
```

```
},
```

```
{
```

```
  id: 3,
```

```
  thumbnail: 'https://www.jdiet.ac.in/image/169588928965153789418a9.png',
```

```
full: 'https://www.jdiet.ac.in/image/169588928965153789418a9.png',
```

```
  alt: 'JDIET GANAPATI FESTIVAL'
```

```
}
```

```
];
```

```
function App() {
```

```
  const [selectedImage, setSelectedImage] = useState<number | null>(null);
```

```
  const [currentSlide, setCurrentSlide] = useState(0);
```

```

// Auto-advance slideshow

useEffect(() => {

  const timer = setInterval(() => {

    setCurrentSlide((prev) => (prev + 1) % images.length);

  }, 3000);

  return () => clearInterval(timer);

}, []);

return (

  <div className="min-h-screen bg-gray-900 p-8">

    {/* Slideshow */}

    <div className="max-w-4xl mx-auto mb-16">

      <h2 className="text-2xl font-bold text-white mb-4">Slideshow</h2>

      <div className="relative aspect-video overflow-hidden rounded-lg shadow-xl">

        {images.map((image, index) => (

          <div

            key={image.id}

            className={`absolute w-full h-full transition-opacity duration-1000 ${

              index === currentSlide ? 'opacity-100' : 'opacity-0'

            }`}

          >

            <img

              src={image.full}

              alt={image.alt}

              className="w-full h-full object-cover"

            />

          </div>

        ))}

      </div>

    </div>

  )

```

```

<div className="absolute bottom-4 left-0 right-0 flex justify-center gap-2">
  {images.map((_, index) => (
    <button
      key={index}
      className={`w-2 h-2 rounded-full transition-all ${
        index === currentSlide ? 'bg-white scale-125' : 'bg-white/50'
      }`}
      onClick={() => setCurrentSlide(index)}
    />
  ))}
</div>
</div>
</div>

```

```

{/* Gallery */}
<div className="max-w-4xl mx-auto">
  <h2 className="text-2xl font-bold text-white mb-4">JDIET Gallery</h2>
  <div className="grid grid-cols-2 md:grid-cols-3 gap-4">
    {images.map((image) => (
      <div
        key={image.id}
        className="relative group cursor-pointer"
        onClick={() => setSelectedImage(image.id)}
      >
        <img
          src={image.thumbnail}
          alt={image.alt}
          className="w-full aspect-square object-cover rounded-lg transition-transform duration-300
group-hover:scale-105"

```

```

    />

    <div className="absolute inset-0 bg-black/50 opacity-0 group-hover:opacity-100 transition-
opacity duration-300 rounded-lg flex items-center justify-center">

      <p className="text-white text-sm font-medium">Click to enlarge</p>

    </div>

  </div>

  )}}

</div>

</div>

```

```

{ /* Modal */
{selectedImage && (
  <div className="fixed inset-0 bg-black/90 flex items-center justify-center z-50 p-4">
    <button
      onClick={() => setSelectedImage(null)}
      className="absolute top-4 right-4 text-white hover:text-gray-300 transition-colors"
    >
      <X size={24} />
    </button>
    <img
      src={images.find(img => img.id === selectedImage)?.full}
      alt={images.find(img => img.id === selectedImage)?.alt}
      className="max-w-full max-h-[90vh] object-contain rounded-lg"
    />
  </div>
  )}
</div>
);
}

```

```
export default App;
```