# Solution for React Assignment: Blog Management App

## 1. Setup

1. 1. Create a new React app using `create-react-app` or `Vite`:

npx create-react-app blog-management-app  
cd blog-management-app  
npm install react-router-dom

1. 2. Start the development server:

npm start

## 2. Static Blog Data

In `src/data/blogs.js`, add the following data:

export const blogs = [  
 { id: 1, title: "React Routers Basics", content: "React Router is a standard library for routing in React..." },  
 { id: 2, title: "Understanding React Hooks", content: "React Hooks are functions that let you use state and other React features without writing a class..." },  
 { id: 3, title: "JavaScript ES6 Features", content: "ES6 brought significant changes to JavaScript like arrow functions, destructuring, and more..." },  
];

## 3. Home Page

In `src/components/Home.js`:

import React from 'react';  
import { Link } from 'react-router-dom';  
import { blogs } from '../data/blogs';  
  
const Home = () => {  
 return (  
 <div>  
 <h1>Blog Titles</h1>  
 <ul>  
 {blogs.map((blog) => (  
 <li key={blog.id}>  
 <Link to={`/blog/${blog.id}`}>{blog.title}</Link>  
 </li>  
 ))}  
 </ul>  
 </div>  
 );  
};  
  
export default Home;

## 4. Blog Details Page

In `src/components/BlogDetails.js`:

import React, { useState, useEffect } from 'react';  
import { useParams } from 'react-router-dom';  
import { blogs } from '../data/blogs';  
  
const BlogDetails = () => {  
 const { id } = useParams();  
 const blog = blogs.find((blog) => blog.id === parseInt(id));  
  
 const [favorites, setFavorites] = useState([]);  
  
 const addToFavorites = () => {  
 setFavorites((prevFavorites) => [...prevFavorites, blog]);  
 };  
  
 useEffect(() => {  
 if (favorites.includes(blog)) {  
 console.log(`${blog.title} has been added to favorites.`);  
 }  
 }, [favorites, blog]);  
  
 return (  
 <div>  
 <h1>{blog.title}</h1>  
 <p>{blog.content}</p>  
 <button onClick={addToFavorites}>Add to Favorites</button>  
 </div>  
 );  
};  
  
export default BlogDetails;

## 5. Routing Setup

In `src/App.js`:

import React from 'react';  
import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';  
import Home from './components/Home';  
import BlogDetails from './components/BlogDetails';  
  
const App = () => {  
 return (  
 <Router>  
 <Routes>  
 <Route path="/" element={<Home />} />  
 <Route path="/blog/:id" element={<BlogDetails />} />  
 </Routes>  
 </Router>  
 );  
};  
  
export default App;

## 6. Bonus: Favorites Page (Optional)

In `src/components/Favorites.js`:

import React from 'react';  
  
const Favorites = ({ favorites }) => {  
 return (  
 <div>  
 <h1>Favorites</h1>  
 <ul>  
 {favorites.map((blog, index) => (  
 <li key={index}>{blog.title}</li>  
 ))}  
 </ul>  
 </div>  
 );  
};  
  
export default Favorites;

Modify `App.js` to include a route for Favorites:

import Favorites from './components/Favorites';  
  
const App = () => {  
 const [favorites, setFavorites] = useState([]);  
  
 return (  
 <Router>  
 <Routes>  
 <Route path="/" element={<Home />} />  
 <Route path="/blog/:id" element={<BlogDetails favorites={favorites} setFavorites={setFavorites} />} />  
 <Route path="/favorites" element={<Favorites favorites={favorites} />} />  
 </Routes>  
 </Router>  
 );  
};

## 7. Styling (Optional)

You can add a `styles.css` file for basic styling or use a framework like Bootstrap.