ReactJS - Car Rental Web Application Assessment

App.js

```
import React from 'react';
import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';
import Home from './pages/Home';
import Cars from './pages/Cars';
import CarDetails from './pages/CarDetails';
import Header from './components/Header';
import Footer from './components/Footer';
const App = () => {
  return (
    <Router>
      <Header />
      <div className="container mx-auto">
        <Routes>
          <Route path="/" element={<Home />} />
          <Route path="/cars" element={<Cars />} />
          <Route path="/cars/:id" element={<CarDetails />} />
        </Routes>
      </div>
      <Footer />
    </Router>
  );
};
export default App;
```

Header.js

```
import React from 'react';
import { Link } from 'react-router-dom';
```

```jsx
const Header = () => {
  return (
    <nav className="bg-gray-800 p-4">
      <ul className="flex justify-between text-white">
        <li><Link to="/">Home</Link></li>
        <li><Link to="/cars">Cars</Link></li>
      </ul>
    </nav>
  );
};
export default Header;
```

Home.js
```jsx
import React from 'react';
const Home = () => {
  return (
    <div className="text-center my-10">
      <h1 className="text-4xl font-bold">Welcome to the Car Rental Service</h1>
      <p className="text-lg mt-4">Browse and rent your desired car with ease.</p>
    </div>
  );
};
export default Home;
```

Cars.js
```jsx
import React, { useState, useEffect } from 'react';
import CarList from '../components/CarList';
import carData from '../data/cars.json';
const Cars = () => {
  const [cars, setCars] = useState([]);
  useEffect(() => {
```

```
    setCars(carData); // or fetch from API
  }, []);
  return (
    <div>
      <h2 className="text-3xl text-center my-8">Available Cars</h2>
      <CarList cars={cars} />
    </div>
  );
};
export default Cars;
```

Carlisle.js

```
import React from 'react';
import CarCard from './CarCard';
const CarList = ({ cars }) => {
  return (
    <div className="grid grid-cols-1 md:grid-cols-3 gap-4">
      {cars.map(car => (
        <CarCard key={car.id} car={car} />
      ))}
    </div>
  );
};
export default CarList;
```

CarDetail.js

```
import React from 'react';
import { useParams } from 'react-router-dom';
import carData from '../data/cars.json';


const CarDetails = () => {
```

```jsx
const { id } = useParams();
const car = carData.find(car => car.id === parseInt(id));
if (!car) {
  return <p>Car not found</p>;
}
return (
  <div className="my-10">
    <h2 className="text-4xl mb-4">{car.name}</h2>
    <p>{car.description}</p>
    <p>Price: ${car.price}/day</p>
  </div>
);
};
export default CarDetails;
```

Footer.js

```jsx
import React from 'react';
const Footer = () => {
  return (
    <footer className="bg-gray-800 text-white text-center p-4">
      <p>&copy; 2024 Car Rental Service</p>
    </footer>
  );
};
export default Footer;
```