# *Online Bus Ticket Booking App with React.js*

# Overview

# This is a modern online bus ticket booking application built with React.js that mimics the functionality of popular platforms like Redbus. The app allows users to search for buses, select seats, enter passenger details, and complete payments.

# Features

# User Authentication: Login and signup functionality

# Bus Search: Find buses based on route and date

# Seat Selection: Interactive seat map with real-time availability

# Booking Management: View and cancel bookings

# Payment Integration: Secure payment processing

# Responsive Design: Works on all device sizes

# Technologies Used

# Frontend: React.js, Material-UI, React Router

# State Management: React Context API

# Icons: React Icons, Material Icons

# Routing: React Router v6

# Project structure

# contact-book/

# ├── src/

# │ ├── app/

# │ │ ├── components/

# │ │ │ ├── contact-list/

# │ │ │ ├── contact-form/

# │ │ │ └── navbar/

# │ │ ├── services/

# │ │ │ └── contact.service.ts

# │ │ ├── models/

# │ │ │ └── contact.model.ts

# │ │ ├── app-routing.module.ts

# │ │ ├── app.module.ts

# │ │ └── app.component.ts/html/scss

# │ ├── assets/

# │ └── environments/

# ├── angular.json

# ├── package.json

# └── README.md Built-in React forms

# Future Enhancements

# Integrate with a real backend API

# Add admin dashboard for bus operators

# Implement ticket cancellation with refunds

# Add user reviews and ratings

# Include bus tracking feature

# Installation

# Clone the repository: git clone https://github.com/yourusername/ticket-booking-app.git

# Navigate to the project directory: cd bus-ticket-booking-app

# Install dependencies: npm install

# Start the development server: npm start

# Open [http://localhost:3000](http://localhost:3000/) in your browser.