Digital Portfolio

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PROJECT TITLE

Bus ticket booking system

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link

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PROBLEM STATEMENT

Traditional bus booking requires manual ticket counters.

Time-consuming and inconvenient for passengers.

Lack of transparency in seat availability and pricing.

No centralized system for online reservations.

PROJECT OVERVIEW

A web-based application that allows users to book bus tickets online.

Provides a user-friendly interface to search, select, and reserve bus seats.

Reduces manual work for operators.

Ensures real-time availability and instant booking confirmation
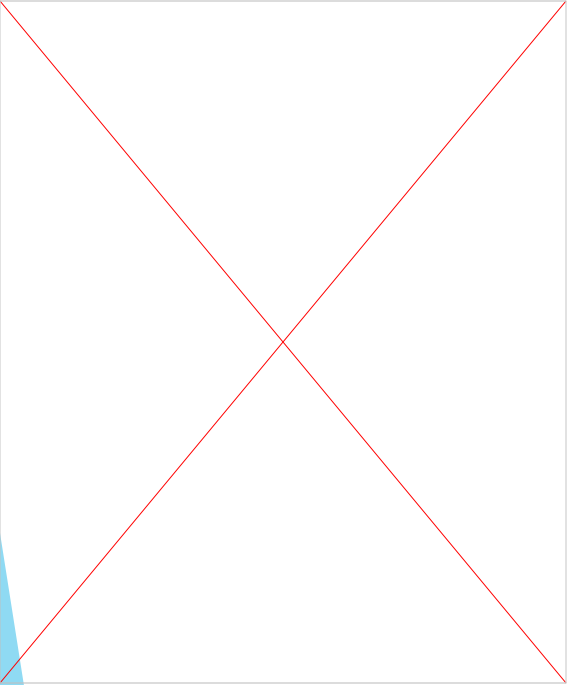
WHO ARE THE END USERS?

Passengers: To search, book, and cancel tickets.

Bus Operators: To manage bus schedules, pricing, and availability.

Admins: To oversee system operations, users, and reports.

TOOLS AND TECHNIQUES

Frontend: HTML, CSS, JavaScript, React

Backend: Node.js / PHP / Django (choose what you used)

Database: MySQL / MongoDB

Version Control: GitHub

Other Tools: Visual Studio Code, Bootstrap, APIs (for payments)

POTFOLIO DESIGN AND LAYOUT

Homepage: Search buses by source, destination, date.

Login/Registration: Secure user authentication.

Booking Page: Seat selection and fare details.

Admin Dashboard: Manage routes, buses, and reservations.

FEATURES AND FUNCTIONALITY

User registration & login.
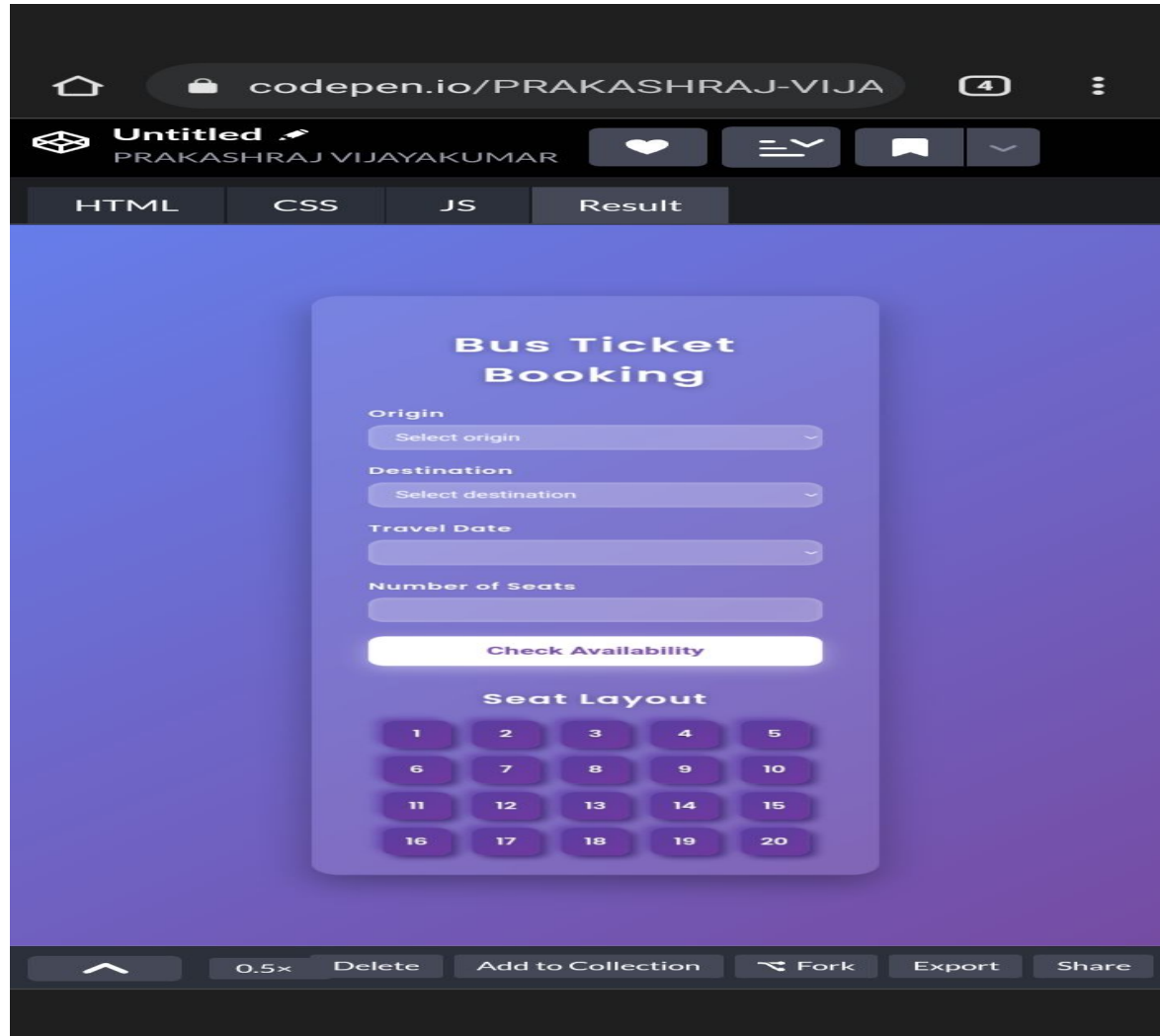
Search and filter buses by location/date.

Real-time seat availability display.

Online booking & cancellation.

Admin panel for bus & user management.

Payment gateway integration.

RESULTS AND SCREENSHOTS

CONCLUSION

Simplifies ticket booking for passengers.

Saves time and cost for both users and operators.

Can be extended with mobile app and GPS bus tracking