

# RentoRide - Interview Cheat Sheet

Project Name: RentoRide

Introduction:

RentoRide is a full-stack car rental web app where users can rent vehicles or list their own for rental. It supports login, booking, wallet top-up with Stripe, role-based dashboards, and data visualization with charts.

Workflow:

1. User registers/logs in as customer or provider.
2. Customers search vehicles by city, filter by type/fuel/price, and book by selecting dates.
3. Payments handled via Stripe wallet.
4. Providers list vehicles and manage bookings.
5. Dashboard with analytics, review system, chat support.

Tech Stack:

Frontend: React, TypeScript, Tailwind CSS, Recharts, Framer Motion, Wouter

Backend: Node.js, Express.js

Database: PostgreSQL with Drizzle ORM

Auth: Passport.js, bcrypt

Payments: Stripe API

Why this tech?

- React + TS = Fast, safe frontend
- Drizzle + PG = Type-safe DB
- Stripe = Reliable payments

- Framer Motion + Tailwind = Smooth and responsive UI

#### Key Features & Functions:

- Login/Register with zod + react-hook-form
- Protected routes and role-based dashboards
- Vehicle filters, booking, and review system
- Stripe wallet top-up with test card
- Booking and vehicle charts using Recharts
- Chatbot support component

#### Conclusion:

RentoRide simulates a real-world platform like Zoomcar with full-stack capabilities. Built with scalable and modern tools, it showcases frontend/backend/API/auth/payment/data handling all in one.