

DriveEasy

DriveEasy is a dynamic and pioneering platform, revolutionizing the car-sharing landscape in emerging markets. Our mission is to empower individuals to become host entrepreneurs, providing them with a safe and seamless way to share their cars and earn additional passive income.

Features

- Login: Users can securely log in to their accounts to access personalized features and book a car
- Signup: New users can create an account by providing necessary details and credentials to access the rental car booking platform.
- Rental Booking: Users can easily book rental cars for their desired duration.
- Booking Management: Provides users with the ability to view, extend, and cancel upcoming bookings.
- Reviews: Users can view and provide reviews for rental cars and services.
- Filters: Utilizes various filters for users to select rental cars based on preferences like price, type, location, etc.
- Search Bar: Enables users to search for rental cars easily using a search bar.
- Extend Rental Duration: Users can extend the duration of their rental bookings if needed.
- Cancel Trips: Users can cancel upcoming trips easily through the platform.

- **Coupon Codes:** Users can apply coupon codes during the booking process to receive discounts on their rental fees.
- **Secure Payments:** Allows users to make payments securely through the site.
- **Profile Management:** Users can update their profiles with personal information and preferences.
- **Customer Support:** Provides options for users to contact customer support via email for assistance.
- **Service Centers:** Users can locate service centers in case of emergencies from their live locations.
- **Powerful Authentication:** Implements robust authentication mechanisms to ensure secure access to user accounts and sensitive information.
- **Storage Management:** Efficiently manages and stores user data, including car and profile images, using advanced storage solutions for optimal performance and scalability.
- **Email Service:** A email is sent at the end of each trip to ensure user satisfaction and provide a seamless experience.

Technologies Used

- HTML: The standard markup language for creating web pages.
- CSS: Cascading Style Sheets (CSS) is a style sheet language
- React.js: A JavaScript library for building user interfaces.
- Vite: A fast build tool for modern web development.
- Node.js: A JavaScript runtime for server-side development.
- Express.js: A web application framework for building APIs.
- MongoDB(Atlas): A cloud-based NoSQL database for storing application data
- Firebase Authentication: A service provided by Firebase for authenticating users and managing user sessions securely.
- Firebase Storage: A cloud storage service provided by Firebase for storing images, including car and profile images.
- Ant Design (antd): A React UI library for building beautiful and responsive user interfaces with pre-designed components and styles.
- Netlify: A cloud platform for hosting static websites, including client-side applications.
- Vercel: A cloud platform for hosting serverless functions and full-stack applications, including server-side applications.

Database Schema

- The database schema is carefully designed by ensuring no data redundancy and optimizing each response to send proper data.
- The MongoDB database consists of collections such as Activebookings, usersdetails, reviews, serviceCenters,PastBookings,carmetadatas,cardetails etc., to store application data.

Demo

The demo of the website is available [here](#)

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