

CarAuctionApp Web MVP - Replit Version

Project Name: CarAuctionApp Web

Goal: Build a responsive web application where individuals can list cars for auction and registered users can place bids. Built with React.js and Firebase, hosted on Replit.com.

1. Platforms

- Web app (desktop & mobile responsive)
- Hosted on [Replit.com](https://replit.com)

2. User Roles

- **Seller:** Adds car listings for auction
- **Buyer:** Places bids on active auctions
- **Admin:** Approves listings, manages users, access, and content

3. Core MVP Features

A. Home Page

- Search by car make/model
- Horizontal brand list (logo or text)
- Section: "Sell Your Car"
- Section: "Active Auctions"
- CTA button: Add a Car

B. Registration/Login

- Email/password or Google login (via Firebase Auth)
- Choose role during signup: seller / buyer
- Email verification (optional)

C. User Profile

- Profile photo, name, status
- My Listings, My Bids

- Editable profile fields

D. Add Car Listing (Seller)

- Upload photos (up to 5)
- Input: make, model, year, mileage, VIN (optional)
- Description, starting price, auction duration (24h/3d)
- Submit for moderation

E. Auction Page

- Listing with photo carousel, description, live price
- Countdown timer
- "Place Bid" button with confirmation
- Bid history
- Bidding restricted to approved users

F. Admin Panel (Protected Route)

- Approve/delete listings
- Ban or unblock users
- View usage statistics (optional)

4. Navigation (Top or Side Menu)

- Home
- Search
- Favorites
- Sell a Car
- Profile

5. Technologies

- **Frontend:** React.js, HTML/CSS or Tailwind CSS
- **Backend:** Firebase
 - Firebase Auth (email/Google sign-in)

- Firestore (database for listings, users, bids)
- Firebase Storage (image uploads)
- **Deployment:** Replit.com

6. Design Requirements

- Clean, modern UI inspired by car marketplaces
- Responsive layout for mobile and desktop
- Use reusable components and state management (React Context or Redux)

7. Limitations / MVP Scope

- No payment processing
- No in-app chat
- No geolocation features

Would be enhanced post-MVP with features like payments, messaging, and location filters.