

## # Real Estate & Housing Finder App Backend

This is the backend for the Real Estate & Housing Finder App, built with Node.js and Express.js.

### ## Core Features

1. User Authentication: Sign-up, login
2. Property Listings: Users can post properties for sale/rent
3. Search & Filters: Location, price range, property type
4. User Messaging System: Chat between buyers & sellers
5. Commission System: Charge commission on successful deals
6. Admin Dashboard: Manage users, listings, and reported posts

### ## Setup

1. Clone the repository.
2. Install dependencies:

```
``sh
```

```
npm install
```

```
``
```

3. Create a `.env` file in the root directory and add your environment variables:

```
``env
```

```
DATABASE_URL=postgres://username:password@localhost:5432/realestate
```

```
CLOUDINARY_CLOUD_NAME=your_cloud_name
```

```
CLOUDINARY_API_KEY=your_api_key
```

```
CLOUDINARY_API_SECRET=your_api_secret
```

```
...
```

4. Start the server:

```
```sh
```

```
npm run dev
```

```
...
```

## ## Project Structure

```
...
```

```
real-estate-backend/
```

```
├── config/
```

```
|   ├── cloudinary.js
```

```
|   ├── database.js
```

```
|   ├── firebase.js
```

```
├── controllers/
```

```
|   ├── authController.js
```

```
|   ├── propertyController.js
```

```
|   ├── userController.js
```

```
├── models/
```

```
|   ├── User.js
```

```
|   ├── Property.js
```

```
├── routes/
```

```
|   ├── authRoutes.js
```

```
|   ├── propertyRoutes.js
```

```
| └─ userRoutes.js
└─ middlewares/
| └─ authMiddleware.js
└─ utils/
└─ .env
└─ index.js
└─ package.json
└─ tailwind.config.js
└─ README.md
...
```