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PLANNING A TRIP WITH FRIENDS AND FAMILIES, JUST **AIRMARKET**

OR

WANT SOME CASHFLOW ON SOME REAL ESTATE INVESTMENTS, **AIRBNB** NOW

# TEAM NAME- BLOCK BUILDERS

## MEMBERS:

- VANSHIKA BHATIA ~ 2110992260
- ANANYA BHARAT ~ 2110992067
- ANKIT MISHRA ~ 2110991966
- RISHAV KUMAR ROY ~ 2110991165

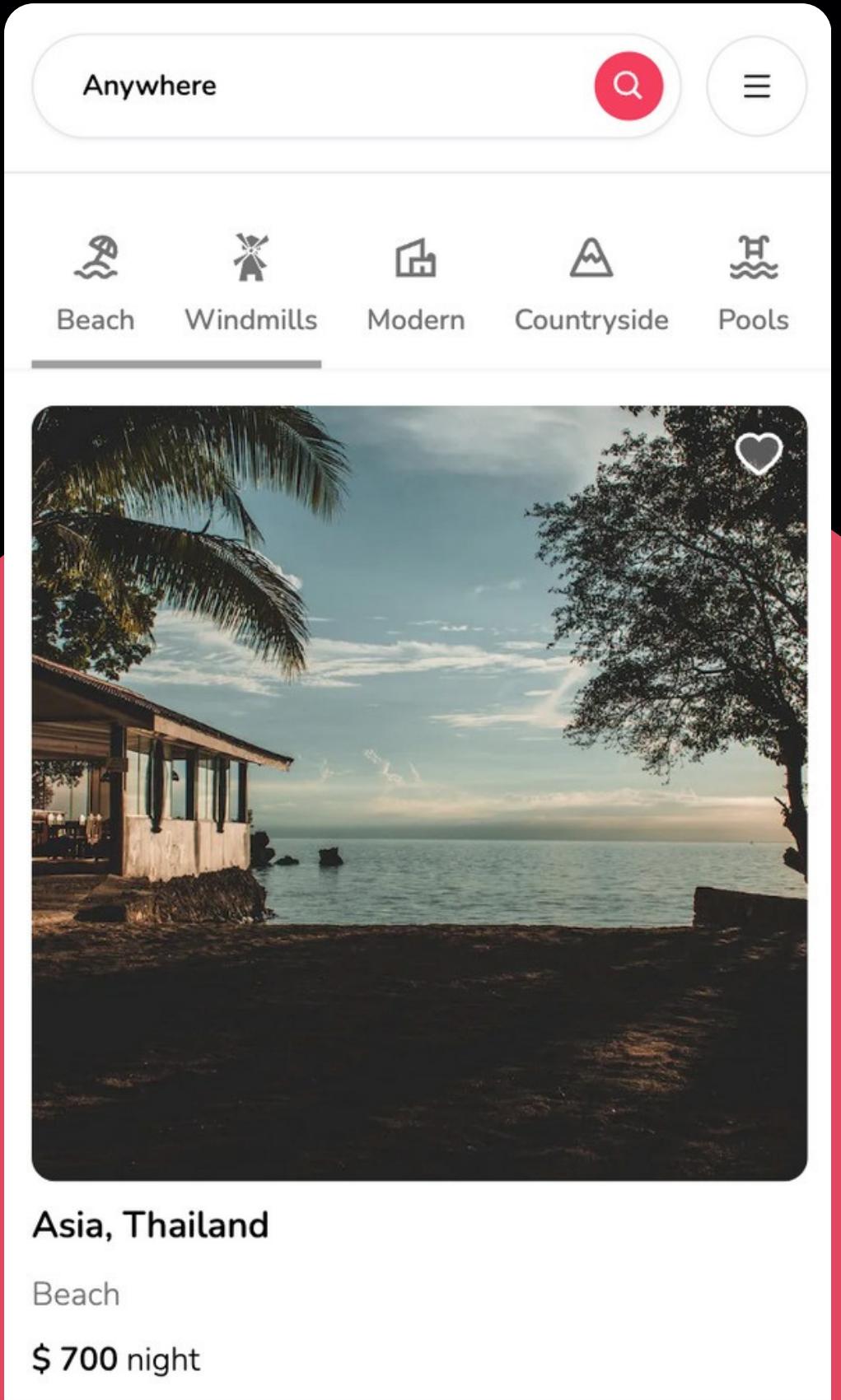
GROUP-19

SUBMITTED TO- MOIN SIR



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# IDEATION



*"wanted to create something which can solve a real life problem statement."*

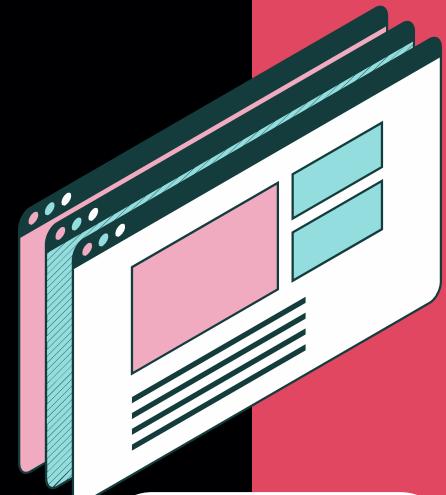
*"had a interest in real estate business so thought why not solve a existing issue with a interactive platform."*

*"that's why decided to create such a platform where the booking and listing of property can be done from the same platform with so much ease"*



# APPROACH AND IMPLEMENTATION

## Frontend



Built a cool and responsive UI using Next-JS , Typescript & Tailwind CSS.

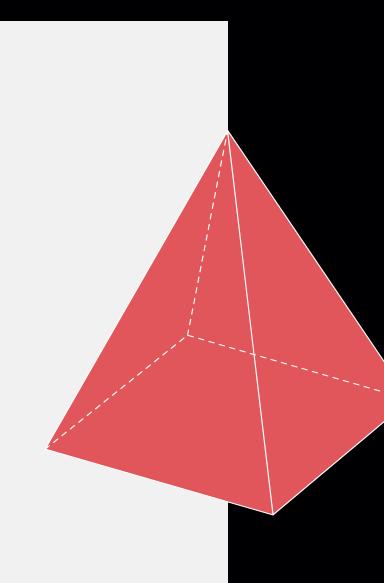
## Database



Used MongoDb for storing different type of collections like user, listing etc.

## Backend

Used Prisma Client as the Backend to coordinate between the frontend and DB.





# MODELS & SCHEMA

## 1. User Model

- Stores the User details along with the time in the DB.
- Defines the datafields that are required and their respective datatypes along with the relation with the other collections.

## 2. Account Model

- Stores the multiple account details of users with reference to userId.
- Contains datafields like provider Account, access token in case of third party auth providers like google and GitHub.

## 3. Listing Model

- Represents a Listing schema that gets created when a user lists his/her property for bookings.
- Contains fields like roomCount, guestCount etc. along with a unique listing Id having a reference to the reservation model .

## 4. Reservation Model

- Represents the reservation schema that gets created when a reservation is made on a listed property.
- Defines datafields like reservation Id, total price etc. having direct relation with userIds and Listing Ids.



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# TECH STACK

## ->FRONTEND

- **NEXT-JS**
- **TYPESCRIPT**
- **TAILWIND CSS**

## ->BACKEND+DB

**PRISMA**

**MONGO DB**

**NODE**



## DEPENDENCIES

- **prisma-client**
- **bcrypt**
- **date-fns**
- **next-auth**
- **react-hot-toast**
- **react-hook-form**
- **leaflet**
- **react-spinners**
- **next-cloudinary**
- **world-countries**
- **axios**



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# PROJECT OVERVIEW

X Register

Welcome to Airbnb

Create an account!

Email

Name

Password

Continue

Continue with Google

Continue with Github

Already have an account? Log in

X Login

Welcome back

Login to your account!

Email

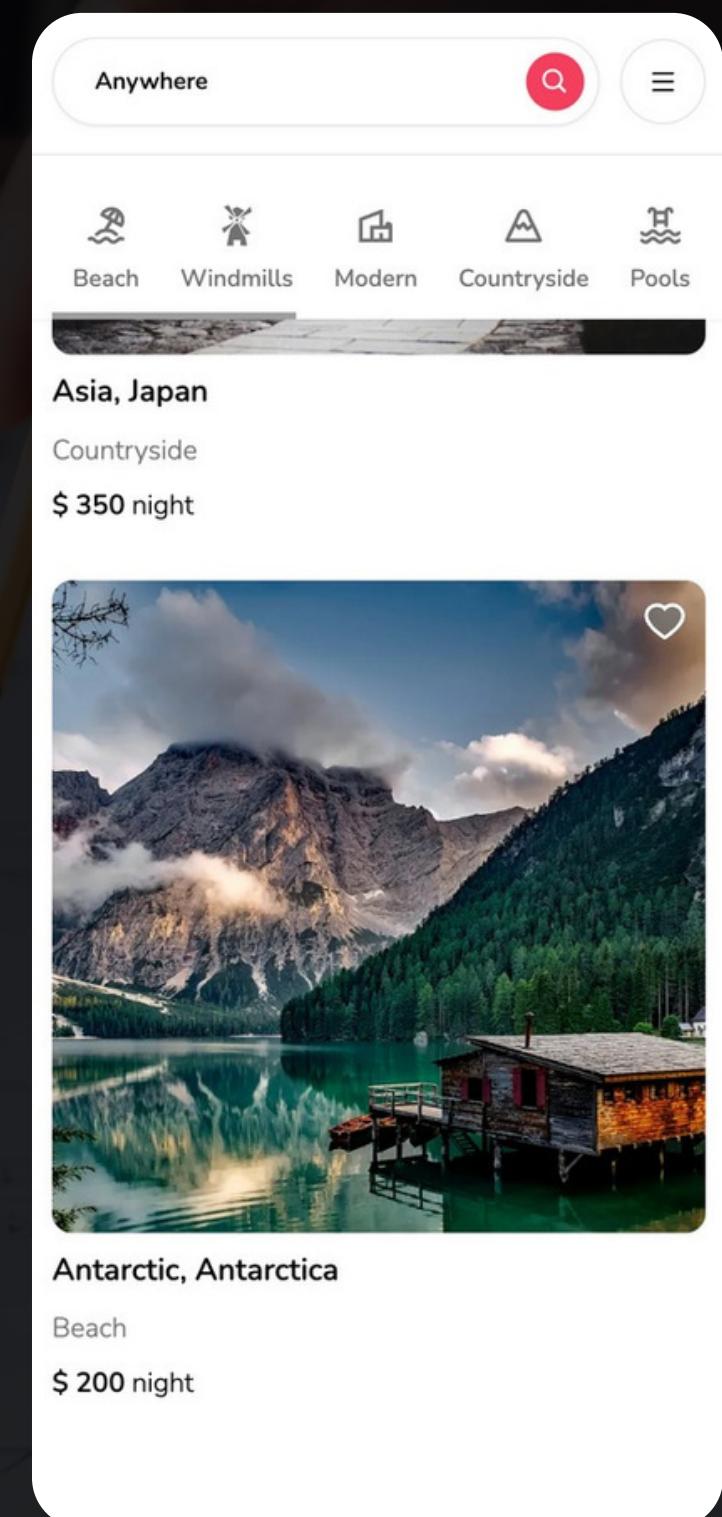
Password

Continue

Continue with Google

Continue with Github

First time using Airbnb? Create an account





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- THE HOME PAGE WITH ALL THE LISTED PROPERTIES .
- USER CAN ADD PROPERTIES TO THEIR FAVORITE LIST.
- THE CATEGORIES ARE PRESENT JUST BELOW THE NAVBAR THROUGH WHICH USER CAN QUICKLY FILTER ACCORDING TO PROPERTY TYPES.

The screenshot shows the Airbnb homepage. At the top, there's a search bar with fields for "Anywhere", "Any Week", and "Add Guests". Below the search bar is a navigation bar with links like "Airbnb your Home" and a user profile icon. Underneath the navigation bar, there are several category icons: Beach, Windmills, Modern, Countryside, Pools, Islands, Lake, Skiing, Castles, Caves, Camping, Arctic, Desert, Barns, and Lux. Below these categories, there's a grid of property cards. One card is highlighted with a larger image of a modern house at sunset, labeled "Modern House in New California" and "Oceania, New Caledonia". The card includes a price of "\$ 200 night" and details about the listing: "Hosted by Rishav Kumar Roy" and "4 guests 2 rooms 2 bathrooms".

The screenshot shows the Airbnb homepage with a grid of property cards. Each card includes a thumbnail image, the location, the property type, and the price per night. The cards are arranged in two rows:

| Thumbnail | Location               | Type    | Price         |
|-----------|------------------------|---------|---------------|
|           | Oceania, New Caledonia | Modern  | \$ 200 night  |
|           | Asia, India            | Arctic  | \$ 220 night  |
|           | Asia, India            | Modern  | \$ 700 night  |
|           | Americas, Bolivia      | Castles | \$ 4000 night |
|           | Asia, Thailand         | Beach   | \$ 700 night  |

Below the first row, there are three more cards:

| Thumbnail | Location                | Type |
|-----------|-------------------------|------|
|           | Oceania, American Samoa |      |
|           | Asia, Japan             |      |
|           | Antarctic, Antarctica   |      |

- THE INDIVIDUAL LISTING PAGES SHOWS EACH AND EVERY DETAIL ABOUT THE PROPERTY,EVEN THE LOCATION ON THE MAP .
- YOU WILL GET TO KNOW THE PROPERTY OWNER AND ALSO THE ACCOMODATION DETAILS LIKE ROOMS, BATHROOMS ETC.
- IF INTERESTED,THEN THE USER CAN IMMEDIATELY RESERVE THE PROPERTY BY SELECTING THE DATES.

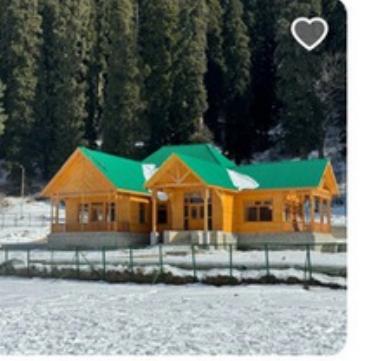


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# MENUBAR PAGES

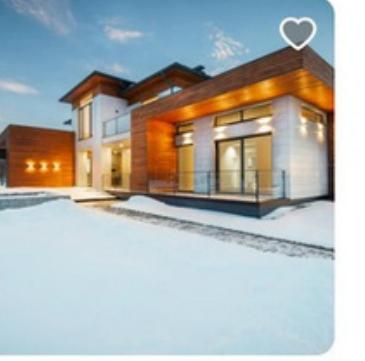
## Properties

List of your properties



Asia, India  
Arctic  
\$ 220 night

[Delete property](#)

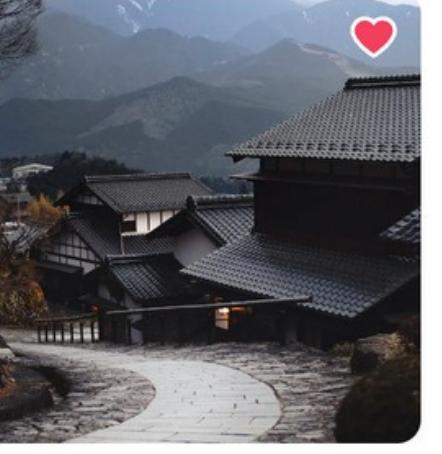


Asia, India  
Modern  
\$ 700 night

[Delete property](#)

## Reservations

Bookings on your properties



Asia, Japan  
Jan 1, 2024 - Jan 4, 2024  
\$ 1050

[Cancel guest reservation](#)

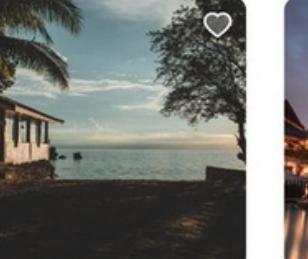
## Properties

List of your properties



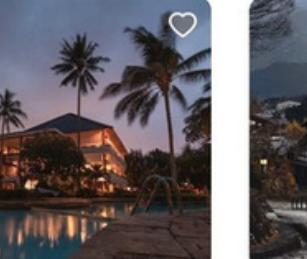
Oceania, New Caledonia  
Modern  
\$ 200 night

[Delete property](#)



Asia, Thailand  
Beach  
\$ 700 night

[Delete property](#)



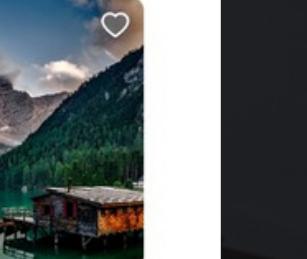
Oceania, American Samoa  
Lux  
\$ 2000 night

[Delete property](#)



Asia, Japan  
Countryside  
\$ 350 night

[Delete property](#)



Antarctic, Antarctica  
Beach  
\$ 200 night

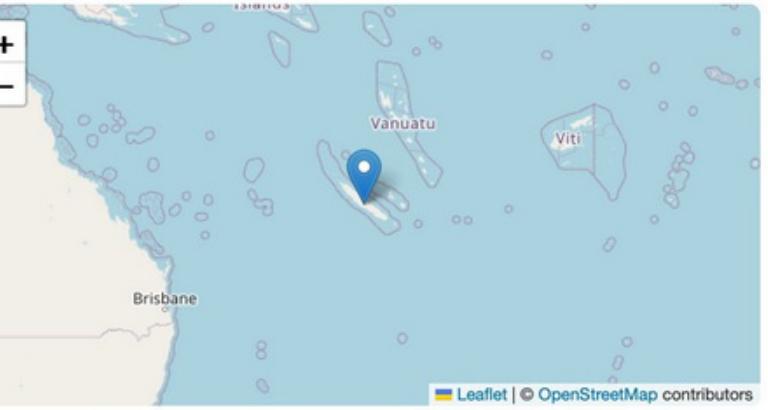
[Delete property](#)

Hosted by Rishav Kumar Roy 

4 guests 2 rooms 2 bathrooms

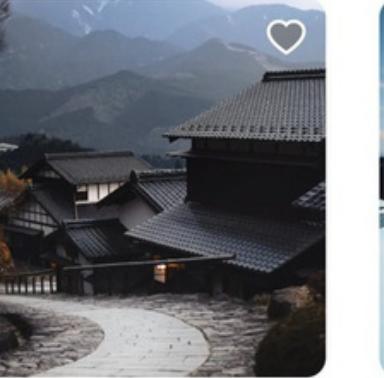
 **Modern**  
This property is modern!

Just enjoy a monthly trip to the woods of California.



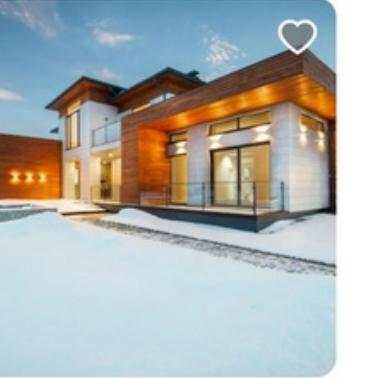
A map showing the location of Vanuatu and Fiji in the South Pacific. A blue marker indicates the specific location of the property.

**Trips**  
Where you've been and where you're going



Asia, Japan  
Jan 1, 2024 - Jan 4, 2024  
\$ 1050

[Cancel reservation](#)



Asia, India  
Dec 29, 2023 - Dec 31, 2023  
\$ 1400

[Cancel reservation](#)

**\$ 200 night**

January 2024

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 31  | 1   | 2   | 3   | 4   | 5   | 6   |
| 7   | 8   | 9   | 10  | 11  | 12  | 13  |
| 14  | 15  | 16  | 17  | 18  | 19  | 20  |
| 21  | 22  | 23  | 24  | 25  | 26  | 27  |
| 28  | 29  | 30  | 31  | 1   | 2   | 3   |

**Reserve**

Total \$ 200

## Favorites

List of places you favored!



Americas, Bolivia  
Castles  
\$ 4000 night



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- ONE CAN SIMPLY PUT UP THEIR PROPERTY FOR RENTALS IN A FEW SIMPLE STEPS.
- ALSO, A USER CAN USE THE SEARCH FILTER TO FILTER PROPERTIES ACCORDING TO THEIR DESIRE.

x Airbnb your home

Which of these best describes your place?  
Pick a category

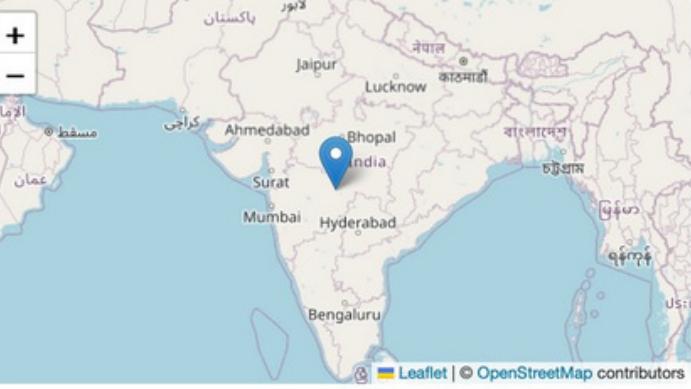
Beach  Windmills  
 Modern  Countryside  
 Pools  Islands  
 ...

Next

x Airbnb your home

Where is your place located?  
Help guests find you!

India, Asia



Back Next

x Airbnb your home

Add a photo of your place  
Show guests what your place looks like!

 Click to upload

Back Next

x Airbnb your home

Share some basics about your place  
What amenities do you have?

Guests: 2

Rooms: 2

Bathrooms: 1

Back Next

x Airbnb your home

How would you describe your place?  
Short and sweet works best!

Title: Mountain Camps

Description: Enjoy the starry sky while camping on the top of a mountain!

Back Next

x Airbnb your home

Now, set your price  
How much do you charge per night?

Price: \$ 130

Back Create

Anywhere | Any Week | Add Guests



- **middlewares**

- ***"The getCurrentUser function is acting as middleware to verify the authenticity of a request ,either it is get,post or delete request."***

- **routes and controllers**

- ***"Due to the naming convention of next-js,one can create a api folder inside the app and can use it for routing purpose."***
- ***"The functions inside the actions folder and the api folder are together working as controllers for creating,reading and deleting anything from the collections."***



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# CODE OVERVIEW

```
app
  airbnb actions
    api
      > favorites
      > listings
      > register
      > reservations
    Components
      > inputs
      > listings
      > modals
    > navbar
    TS Avatar.tsx
    TS Button.tsx
    TS CategoryBox.tsx
    TS ClientOnly.tsx
    TS Container.tsx
    TS EmptyState.tsx
    TS Heading.tsx
    TS HeartButton.tsx
    TS Loader.tsx
    TS Map.tsx
    > favorites
    > hooks
    > libs
    > listings
    > properties
```

```
> providers
> reservations
> trips
> types
TS error.tsx
★ favicon.ico
# globals.css
TS layout.tsx
TS loading.tsx
TS page.tsx
> node_modules
  <pages/api/auth>
    TS [...nextauth].ts
  <prisma>
    ▲ schema.prisma
  <public>
    > images
      next.svg
      vercel.svg
    .env
    .eslintrc.json
    .gitignore
    TS middleware.ts
    TS next-env.d.ts
    JS next.config.js
```

```
const Home = async ({ searchParams }: HomeProps) => {
  const listings = await getListings(searchParams);
  const currentUser = await getCurrentUser();

  if (listings.length === 0) {
    return (
      <ClientOnly>
        <EmptyState showReset />
      </ClientOnly>
    );
  }

  return (
    <ClientOnly>
      <Container>
        <div
          className="pt-24 grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 xl:grid-cols-5 2xl:grid-cols-6 gap-8"
        >
          {listings.map(listing: any) =>
            <ListingCard
              currentUser={currentUser}
              key={listing.id}
              data={listing}
            >
          }
        </div>
      </Container>
    </ClientOnly>
  );
}
```

```
1 // This is your Prisma schema file,
2 // learn more about it in the docs: https://pris.ly/d/prisma-schema
3
4 <generator client> {
5   provider = "prisma-client-js"
6 }
7
8 <datasource db> {
9   provider = "mongodb"
10  url     = env("DATABASE_URL")
11 }
12
13 <model User> {
14   id           String @id @default(auto()) @map("_id") @db.ObjectId
15   name         String?
16   email        String? @unique
17   emailVerified DateTime?
18   image        String?
19   hashedPassword String?
20   createdAt    DateTime @default(now())
21   updatedAt    DateTime @updatedAt
22   favoriteIds String[] @db.ObjectId
23
24   accounts Account[]
25   listings Listing[]
26   reservations Reservation[]
27 }
28
29
30 <model Account> {
31   id String @id @default(auto()) @map("_id") @db.ObjectId
32   userId       String @db.ObjectId
33   type         String
34   provider     String
35   providerAccountId String
36 }
```



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# THANK YOU