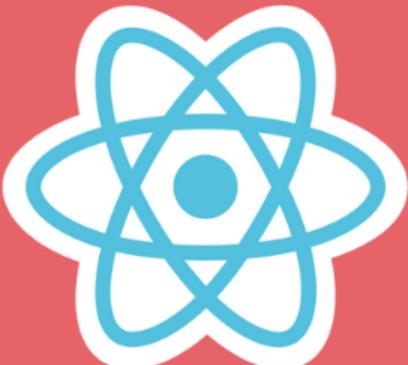


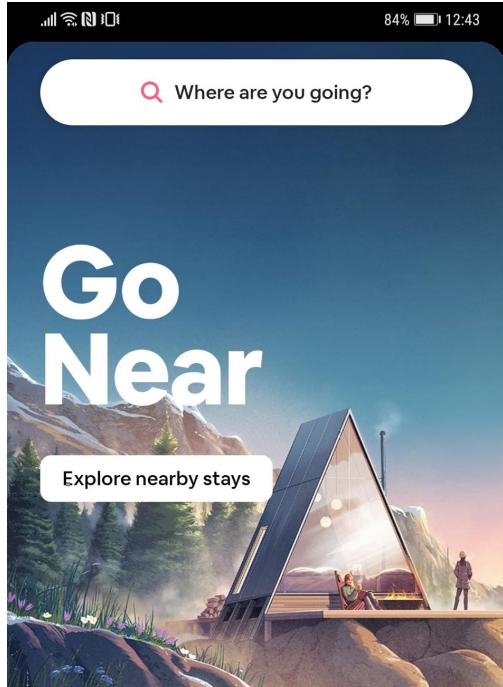
React Native

Airbnb Clone

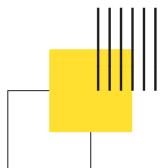
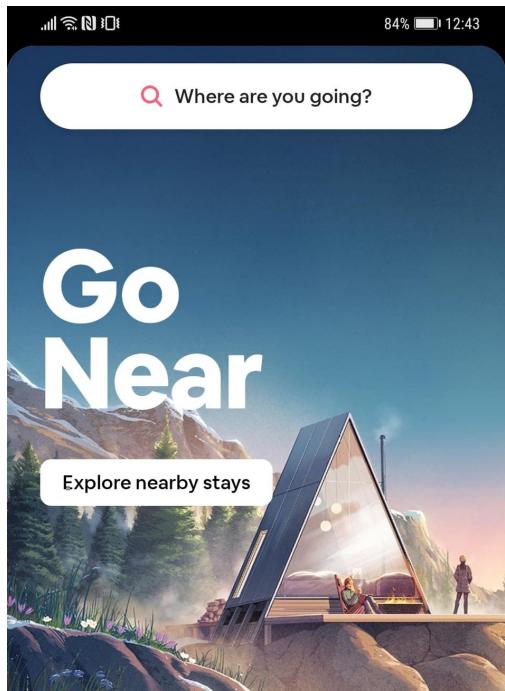


Three iPhone screens displaying a React Native Airbnb clone application. The first screen shows a listing for an entire villa with 11 beds, offering a 75% discount for long-term stays. The second screen shows a map of Badung, Bali, with a red circle highlighting specific rental locations. The third screen shows a detailed listing for a villa in Kuta Utara, featuring a large swimming pool and a private beach. Both the listing and map screens include price tags for various accommodations.

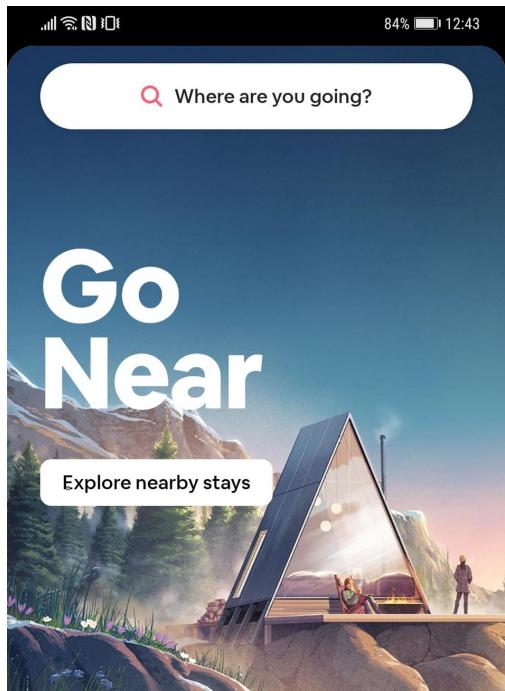
We are going to build



We are going to build



We are going to build



- Tenerife, Spain
- Tenerife, Playa de la Américas
- Tenby
- Tenby, Saundersfoot
- Tenerife, Costa Adeje

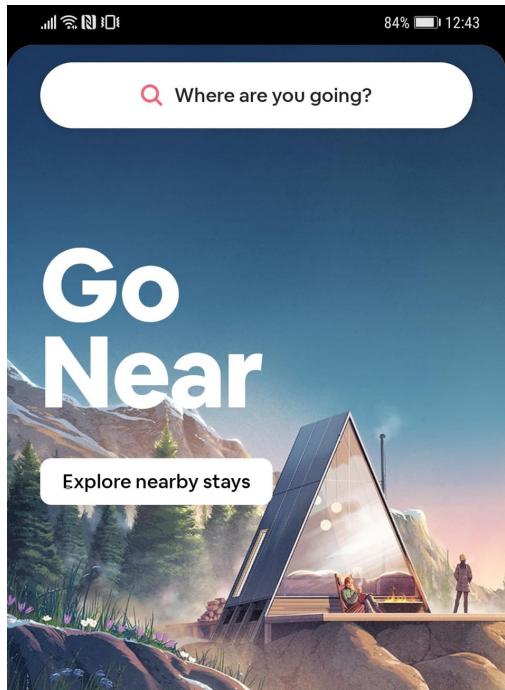


Adults
Ages 13 or above (-) 0 (+)

Children
Ages 2–12 (-) 0 (+)

Infants
Under 2 (-) 0 (+)

We are going to build



84% 12:43

← Tenerife 1 Feb 2021 – 8... | ☀

Review COVID-19 travel restrictions before you book. [Learn more](#)

90% 11:01

Tenerife, Spain 11–14 Dec

Where are you going?

Tenerife, Spain

Tenerife, Playa de...

Tenby

Tenby, Saunders...

Tenerife, Costa A...

1 bed · 1 bedroom

Entire flat · Puerto de la Cruz

Bonito estudio con vistas en el Taor...

\$43 \$36 / night

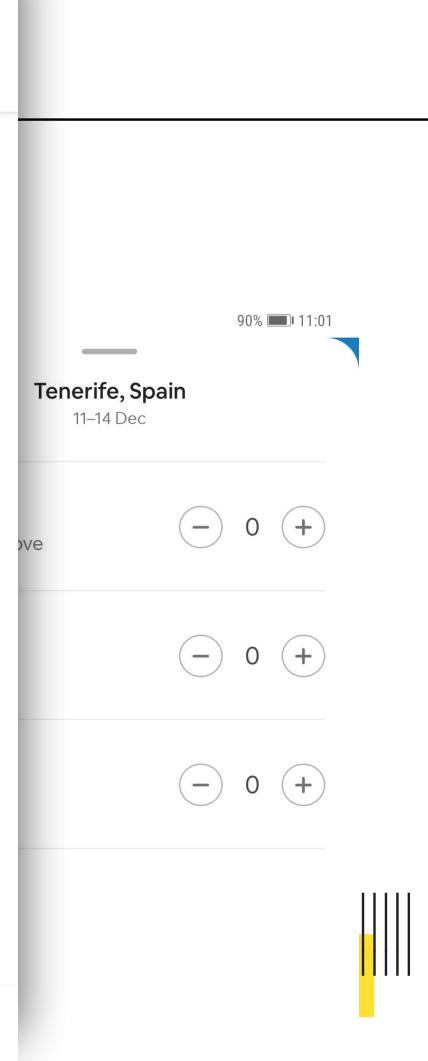
\$247 total

SUPERHOST

Map

Explore Saved Trips Inbox Profile

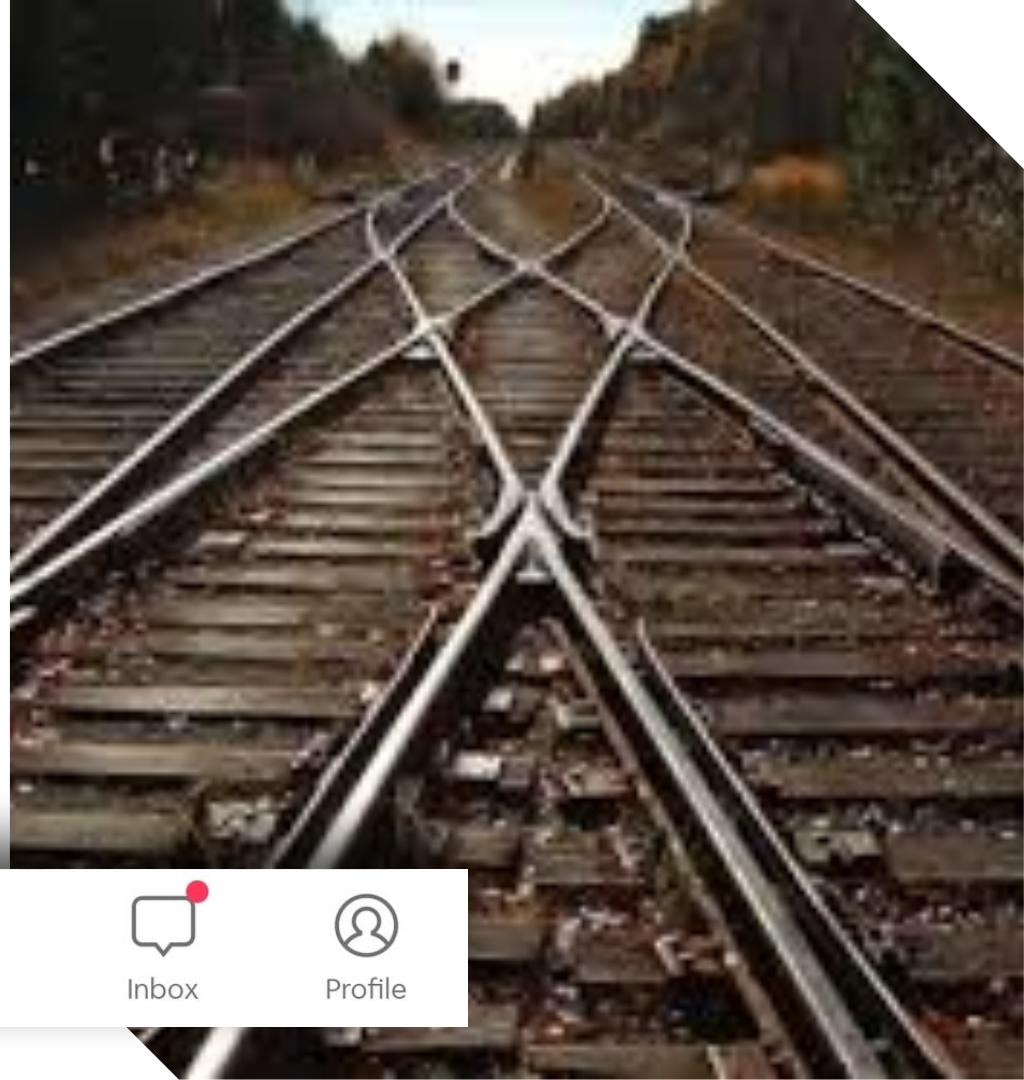
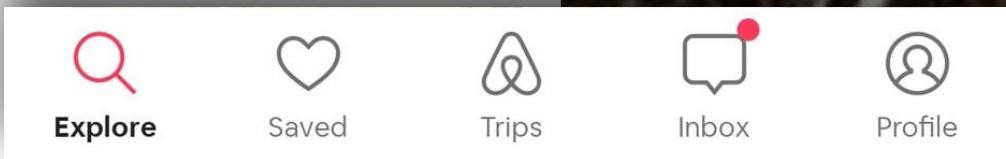
This screen shows a travel search results page for Tenerife, Spain. It includes a header with flight information and a COVID-19 travel restriction notice. Below are search suggestions for Tenerife, Playa de..., Tenby, Tenby, Saunders..., and Tenerife, Costa A.... The main listing for Tenerife shows a balcony view, details for an entire flat in Puerto de la Cruz, and a price of \$36 per night for a one-bedroom unit. A "SUPERHOST" badge is present. At the bottom are navigation icons for Explore, Saved, Trips, Inbox, and Profile.



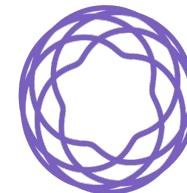
Navigation



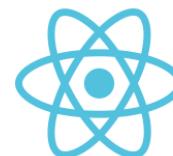
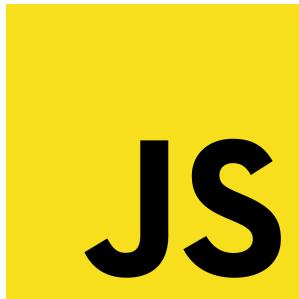
- React Navigation v5
- Stack Navigation
- Tab Navigation



Front-end technologies



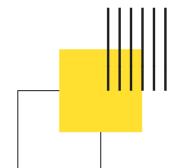
React Navigation



Vector Icons



Choose from 3K+ icons or use your own



You will learn

- ||| - How to setup a React Native project
- ||
- ||
- ||
- ||
- ||
- ||



You will learn

- How to setup a React Native project
- Render built-in elements/components



You will learn

- ||| - How to setup a React Native project
- ||| - Render built-in elements/components
- ||| - Create your own components



You will learn

- ||| - How to setup a React Native project
- ||| - Render built-in elements/components
- ||| - Create your own components
- ||| - Functional components



You will learn

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- ||| - Create your own components
- ||| - Functional components
- ||| - Props

- | |

- |||

- |||



You will learn

- ||| - How to setup a React Native project
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- ||| - Functional components
- ||| - Props
- ||| - State



You will learn

- ||| - How to setup a React Native project
- ||| - Render built-in elements/components
- ||| - Create your own components
- ||| - Functional components
- ||| - Props
- ||| - State
- ||| - Navigation
- |||
- |||



Who am I



- Full stack developer for >7yrs
- CTO @Fitinium
- ex Amazon SDE
- Passionate about coding and building impactful startups.



Let's get started

Initialise the expo project:

```
$ npx react-native init Airbnb
```

||| Run the development server

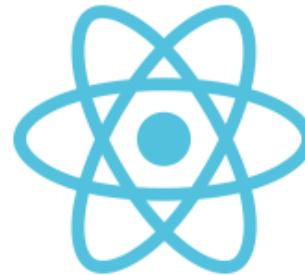
```
$ yarn start
```

||| Run the app on iOS

```
$ yarn ios
```

||| Run the app on android

```
$ yarn android
```



Vector Icons



Choose from 3K+ icons or use your own

Vector icons

Install vector icons

```
$ yarn add react-native-vector-icons
```

||| IOS: Add UIAppFonts to Info.plist

||| Android: Add to the android/app/build.gradle

```
apply from: "../../node_modules/react-native-vector-icons/fonts.gradle"
```

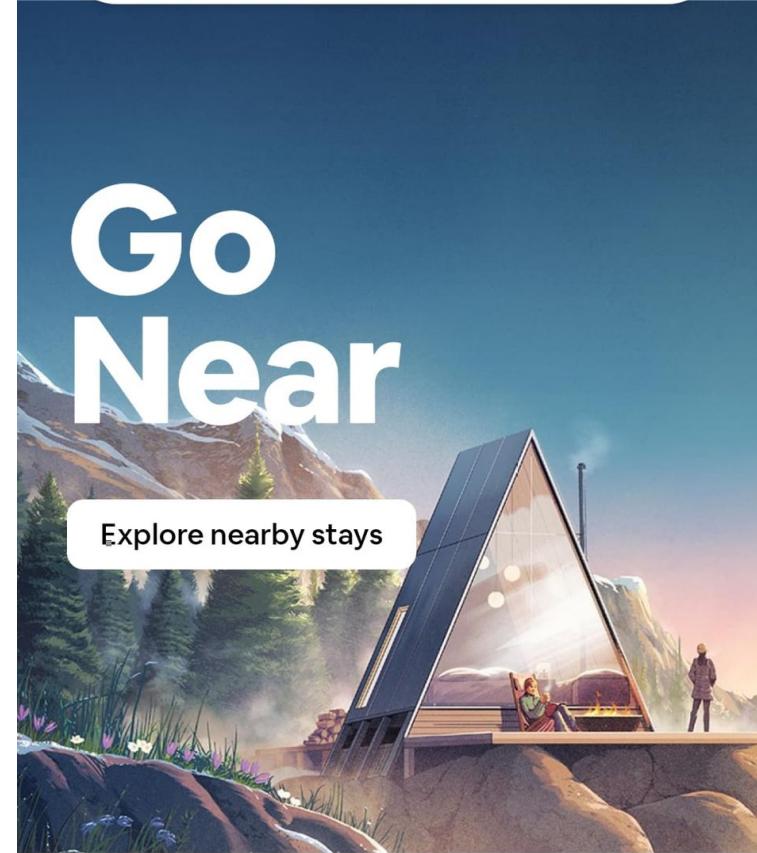
||| Install pods (iOS only)

```
$npx pod-install iOS
```

Home Screen



- Search button
- Background Image
- Page title
- Explore button



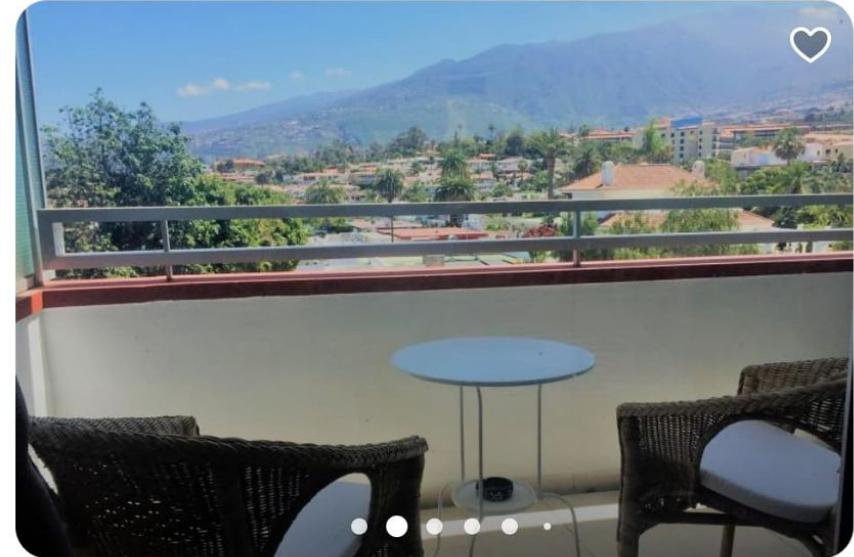
Live anywhere



Post Component



The component that will display a single item in the list



1 bed · 1 bedroom

Entire flat · Puerto de la Cruz

Bonito estudio con vistas en el Taor...

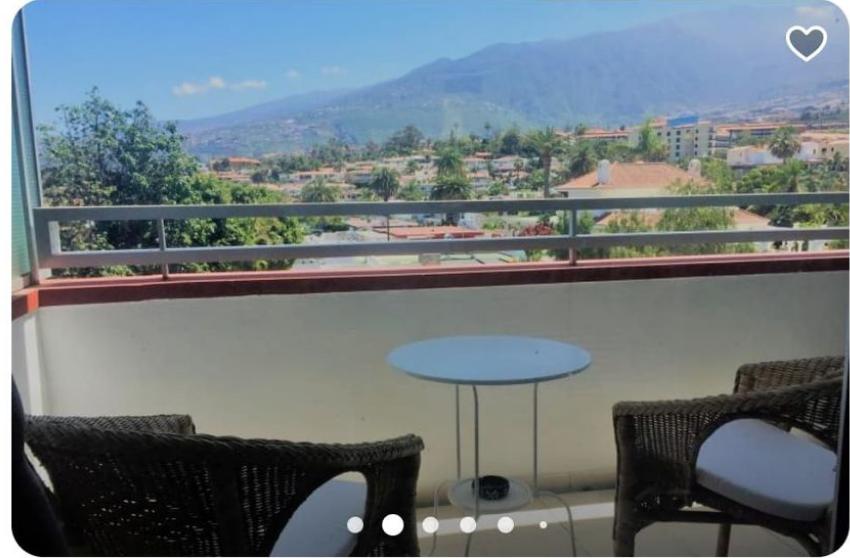
\$43 \$36 / night

\$247 total

Post Component Props



Get data from Props to make the component reusable



1 bed · 1 bedroom

Entire flat · Puerto de la Cruz

Bonito estudio con vistas en el Taor...

~~\$43~~ \$36 / night

\$247 total

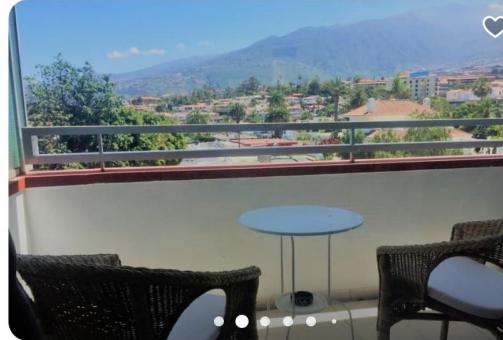
List of posts



Display posts in a FlatList



Review COVID-19 travel restrictions
before you book. [Learn more](#)



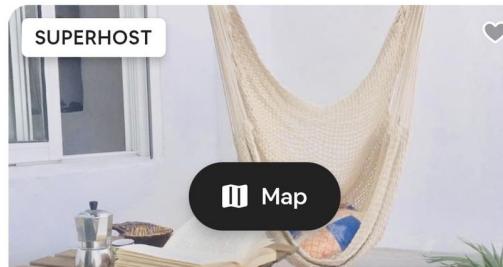
1 bed · 1 bedroom

Entire flat · Puerto de la Cruz

Bonito estudio con vistas en el Taor...

\$43 \$36 / night

\$247 total





Te



Location Search Page



Tenerife, Spain



Tenerife, Playa de la Américas



Tenby



Tenby, Saundersfoot



Tenerife, Costa Adeje



Tenerife, Spain
11-14 Dec

Adults

Ages 13 or above

(-) 0 (+)

Children

Ages 2–12

(-) 0 (+)

Infants

Under 2

(-) 0 (+)

Guests Page

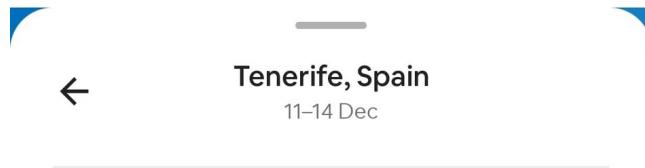




Guests Page: State



Use state to store the values of the fields



Adults

Ages 13 or above

− 0 +

Children

Ages 2–12

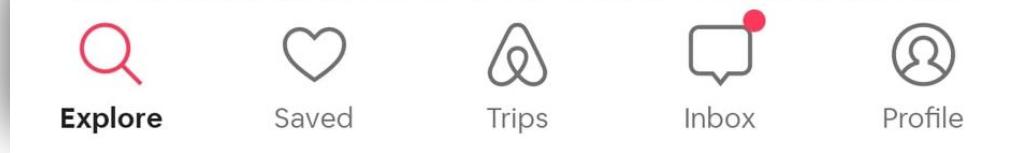
− 0 +

Infants

Under 2

− 0 +

Navigation



Install React-Navigation Library:

```
$ yarn add @react-navigation/native @react-navigation/bottom-tabs @react-navigation/stack
```

Installing Dependencies

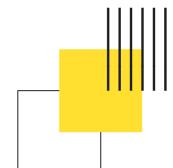
```
$ yarn add react-native-reanimated react-native-gesture-handler react-native-screens react-native-safe-area-context @react-native-community/masked-view
```

Install the pods (for Mac and IOS only)

```
$ npx pod-install ios
```

Import Gesture handler

```
Import 'react-native-gesture-handler'
```



notJust

//development



DEMO



notJust
//development



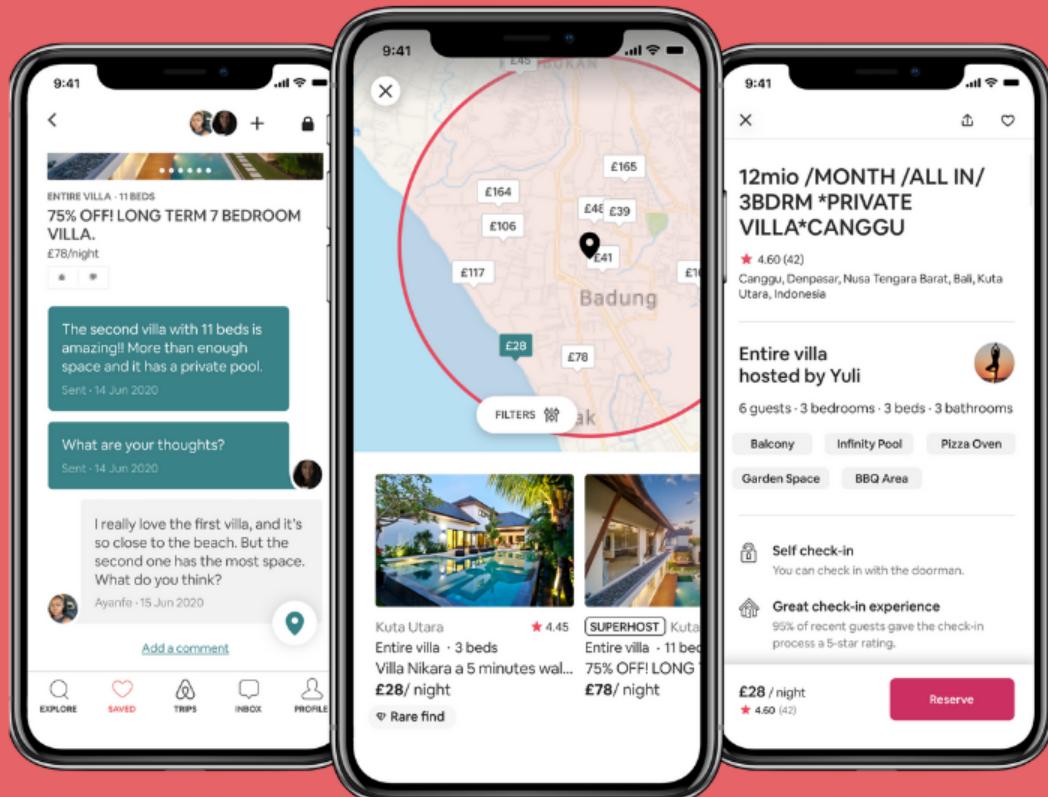
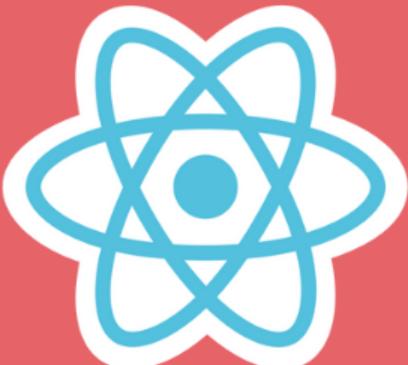
Q&A



React Native

Airbnb Clone

Advanced UI



ENTIRE VILLA - 11 BEDS
75% OFF! LONG TERM 7 BEDROOM VILLA.
£78/night

The second villa with 11 beds is amazing! More than enough space and it has a private pool.

Sent - 14 Jun 2020

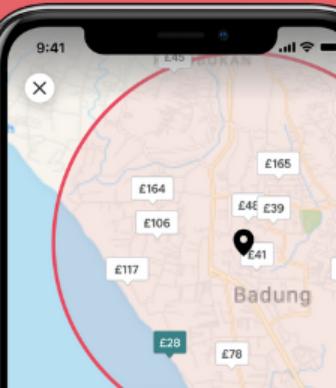
What are your thoughts?

Sent - 14 Jun 2020

I really love the first villa, and it's so close to the beach. But the second one has the most space. What do you think?

Ayanfe - 15 Jun 2020

EXPLORE SAVED TRIPS INBOX PROFILE



Kuta Utara ★ 4.45 SUPERHOST Kuta
Entire villa · 3 beds Entire villa · 11 bed
Villa Nikara a 5 minutes wal... 75% OFF! LONG
£28/ night £78/ night

▼ Rare find

12mio /MONTH /ALL IN/
3BDRM *PRIVATE
VILLE*CANGGU

★ 4.60 (42)
Canggu, Denpasar, Nusa Tenggara Barat, Bali, Kuta Utara, Indonesia

Entire villa
hosted by Yuli

6 guests · 3 bedrooms · 3 beds · 3 bathrooms

Balcony Infinity Pool Pizza Oven

Garden Space BBQ Area

Self check-in
You can check in with the doorman.

Great check-in experience
95% of recent guests gave the check-in process a 5-star rating.

£28/ night
★ 4.60 (42)

Reserve

We are going to build

Places autocomplete

Powered by google

Home

Search your destination

Tene



Tenerife, Spain



Teneriffe QLD, Australia



Tenejapa, Chis., Mexico

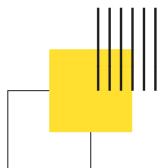


Ténès, Algeria



Tenente Portela, RS, Brazil

powered by Google



We are going to build

Places autocomplete

Powered by google

[Home](#) Search your destination

Tene ×



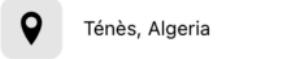
Tenerife, Spain



Teneriffe QLD, Australia



Tenejapa, Chis., Mexico



Ténès, Algeria

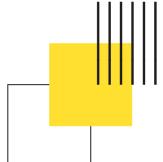
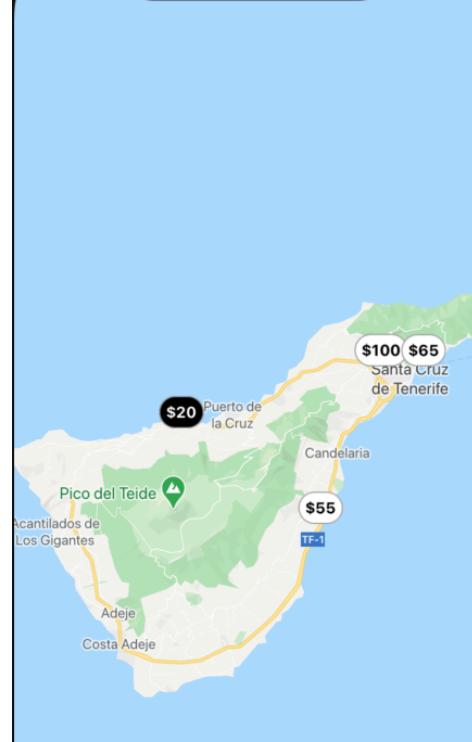


Tenente Portela, RS, Brazil

powered by

Maps View

With custom markers



We are going to build

Places autocomplete

Powered by google

[Home](#) Search your destination

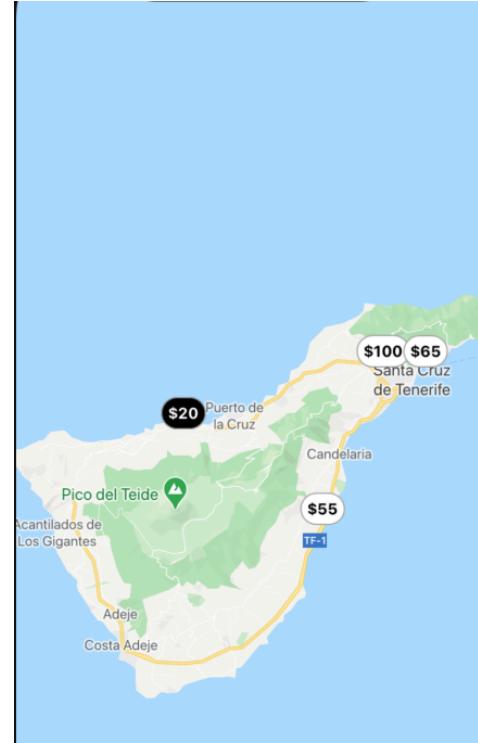
Tene ×

-  Tenerife, Spain
-  Teneriffe QLD, Australia
-  Tenejapa, Chis., Mexico
-  Ténès, Algeria
-  Tenente Portela, RS, Brazil

powered by 

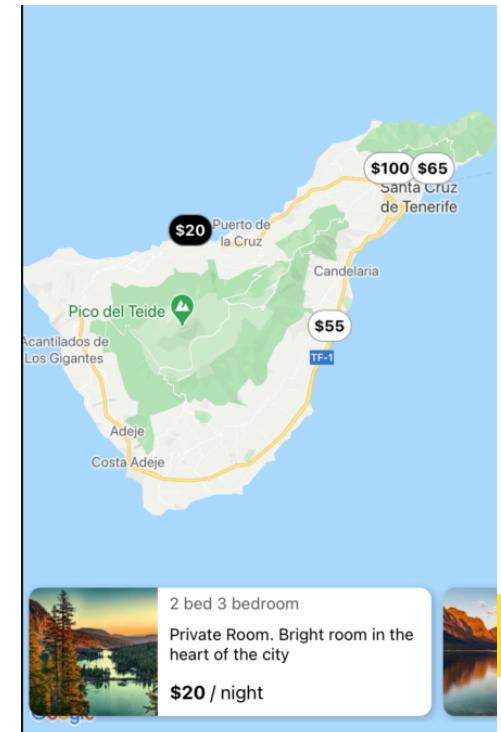
Maps View

With custom markers



Carousel List

Connected with the map



notJust

//development



DEMO



Who am I



- Full stack developer for >7yrs
- CTO @Fitinium
- ex Amazon SDE
- Passionate about coding and building impactful startups.



Prerequisites

1. Google developer account
2. Dummy data, PDF presentation:

<https://assets.notjust.dev/airbnb>
3. Github repo: <https://github.com/Savinvadim1312/AirbnbClone>




Finish Navigation



1. Stack Navigator for the Explore Tab
2. Tab bar navigator for the Search Result Page



```
$ yarn add @react-navigation/material-top-tabs react-native-tab-view
```



Places Autocomplete



Library: **React Native Google Places Autocomplete**



<https://www.npmjs.com/package/react-native-google-places-autocomplete>



1. install library
2. Enable google API
3. Make sure billing is enabled
4. Get API Key



The screenshot shows a mobile application interface for searching destinations. At the top, there is a back arrow labeled 'Home' and a search bar with the placeholder 'Search your destination'. Below the search bar, the text 'Tene' is typed into the search field. A list of search results is displayed, each consisting of a location pin icon and a place name. The results are:

- Tenerife, Spain
- Teneriffe QLD, Australia
- Tenejapa, Chis., Mexico
- Ténès, Algeria
- Tenente Portela, RS, Brazil

At the bottom right of the search results, there is a small 'powered by Google' logo.

Maps

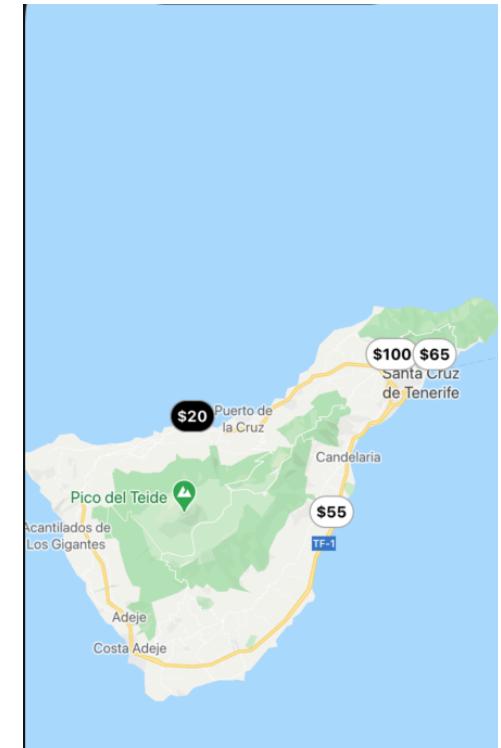


Library: **React Native Maps**

<https://www.npmjs.com/package/react-native-maps>



1. install library
2. Enable google API
3. Make sure billing is enabled
4. Get API Key



Place Carousel Item component

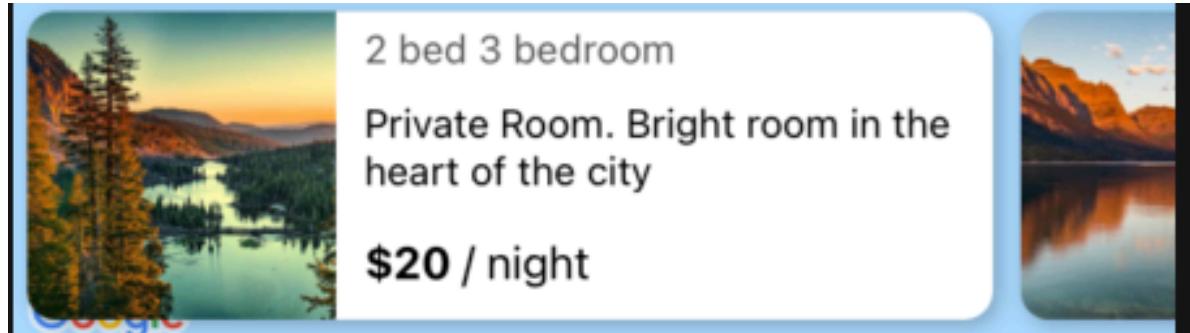


2 bed 3 bedroom

Private Room. Bright room in the
heart of the city

\$20 / night

Carousel Flatlist



1. Render the Flatlist
2. Snap Effect (Carousel)
3. Sync with the Map



notJust

//development

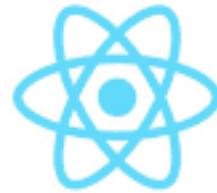


DEMO



notJust

//development



React Native



AWS Amplify

Next week

Back end integration using AWS Amplify

Authentication, GraphQL API, Storage and more



notJust
//development



Q&A



notJust

//development

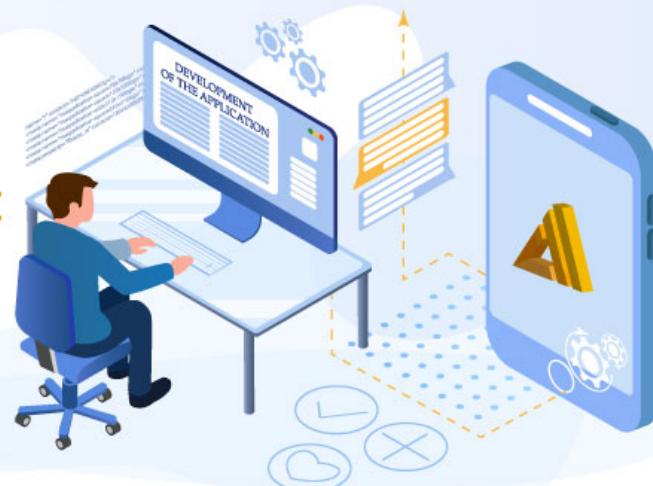


React Native AWS Backend

Authentication, GraphQL API, Storage.

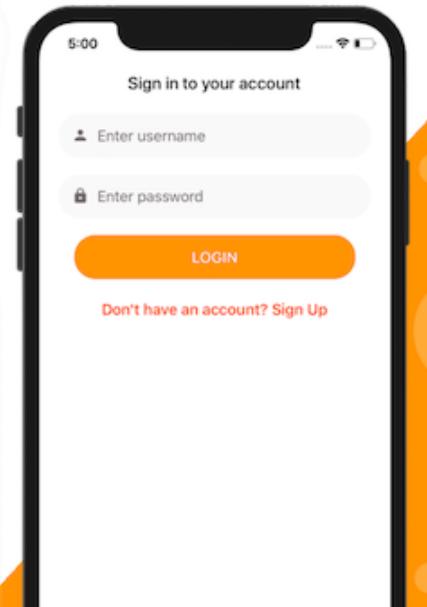
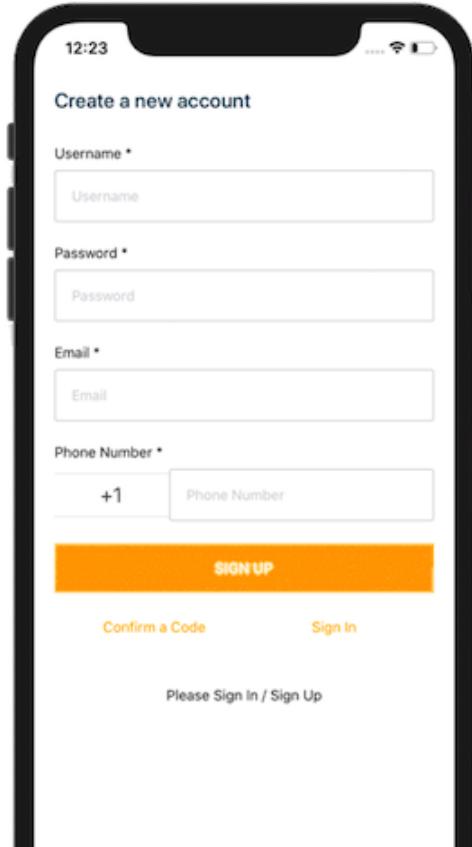
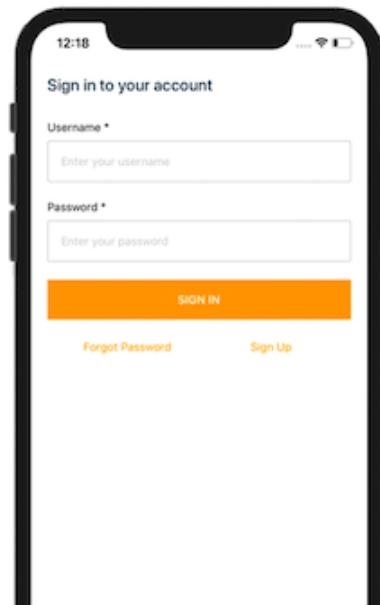
 AWS Amplify

For Next-Gen
App Development

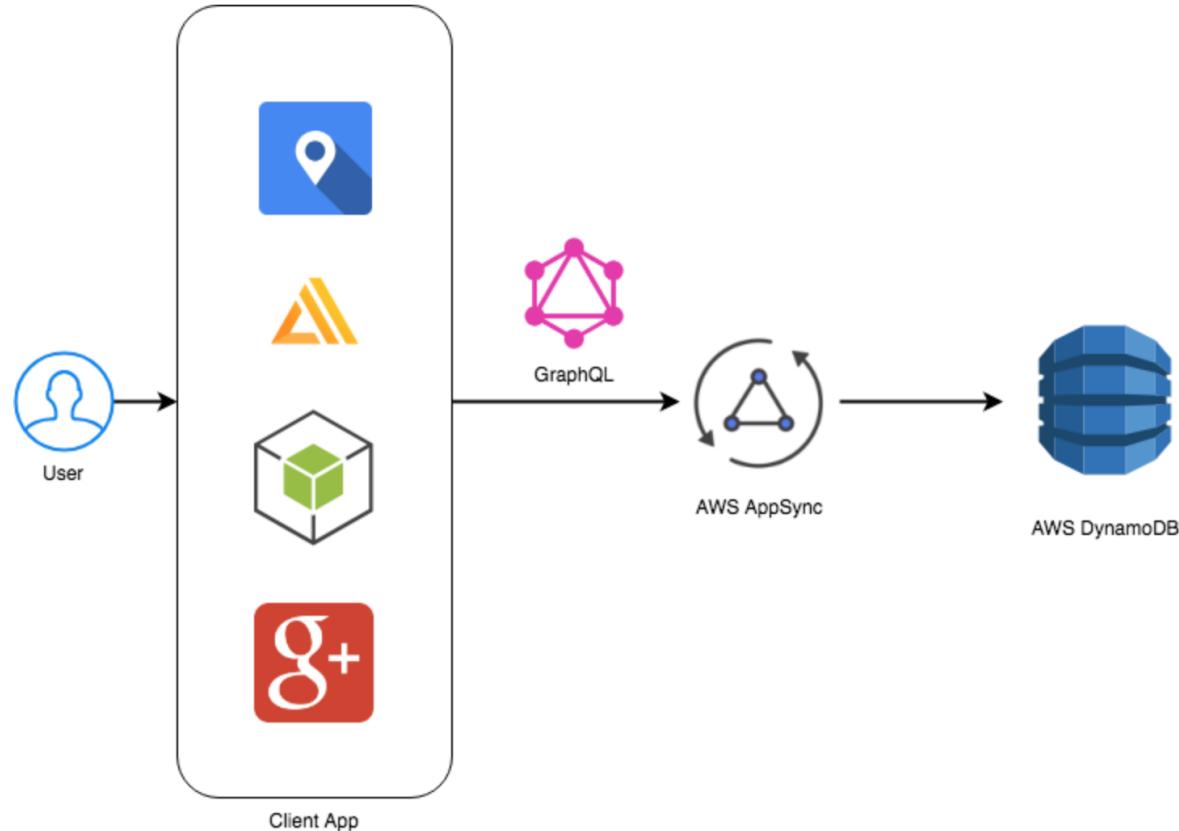




Authentication



GraphQL API



Setup AWS Amplify Project

```
||| https://docs.amplify.aws/start/q/integration/react-native
```

```
||| $ amplify init
```

```
||| $ yarn add aws-amplify aws-amplify-react-native amazon-cognito-identity-js @react-native-community/netinfo
```

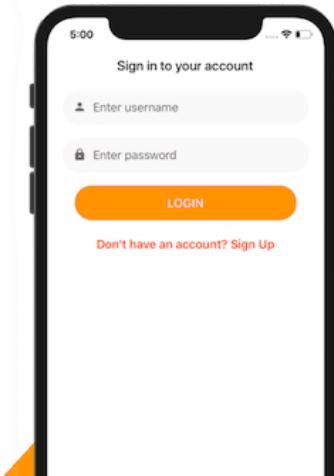
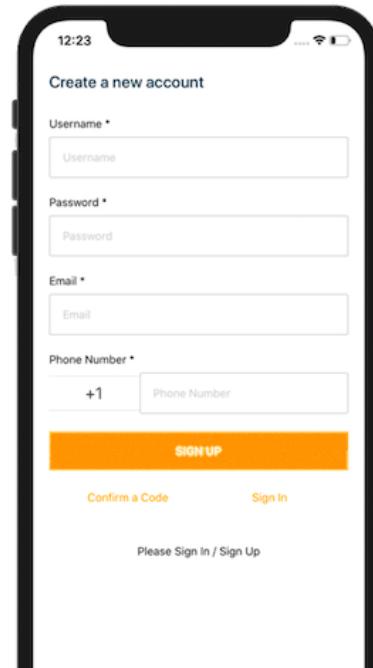
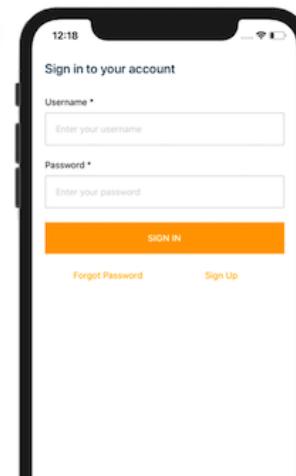
```
||| Configure the App.js
```





Authentication

```
||| $ amplify add auth
```



Please Sign In / Sign Up

GraphQL API

```
||| $ amplify add api
```

```
||
```

```
||
```

```
||
```

```
|||
```

 AWS Amplify



GraphQL API

```
||| $ amplify add api  
||| 1. Write GraphQL Schema
```



GraphQL API

```
||| $ amplify add api  
||| 1. Write GraphQL Schema  
||| 2. Retrieve all Accommodations  
|||  
|||
```



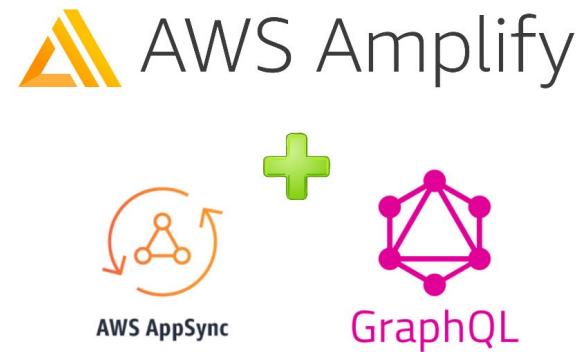
GraphQL API

```
||| $ amplify add api  
||| 1. Write GraphQL Schema  
||| 2. Retrieve all Accommodations  
||| 3. Simple Filtering (based on number of guests)
```



GraphQL API

- || | \$ amplify add api
- || | 1. Write GraphQL Schema
- || | 2. Retrieve all Accommodations
- || | 3. Simple Filtering (based on number of guests)
- || | 4. Filter Accommodations based on location



notJust
//development



Q&A

