

Homebnb

Live Anywhere.

Project Definition

Team Members:

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Highlights

Product Name: Homebnb

Product Short Description:

Book a place to stay that suits your needs from available stays around the world or host your own place so others may book it

Users:

Users, Hosts, (Admin)

Key features:

Browse stays / Reserve a stay, host (add) a stay, communicate with host/guest, read/add reviews

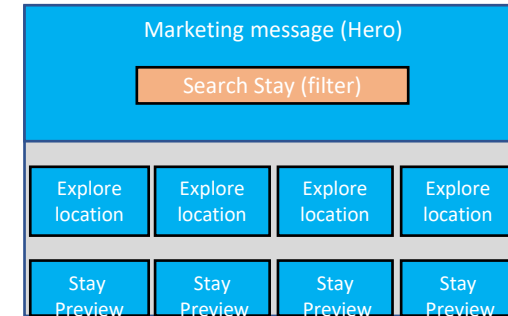
Guest mode:

Guest can search for a stay. Need to login in order to reserve a stay (checkout)

Main Pages

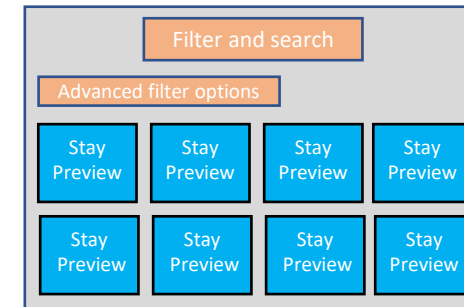
Home page

Browse stays, filter, explore by suggested locations



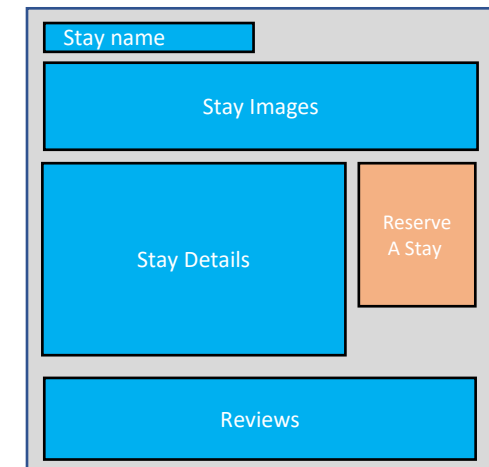
Explore Page (Stays' Preview list)

See all stays, filter: search by location, dates & number of guests



Stay Page (Details)

Stay details, book a date, see review/add review, location map & host info



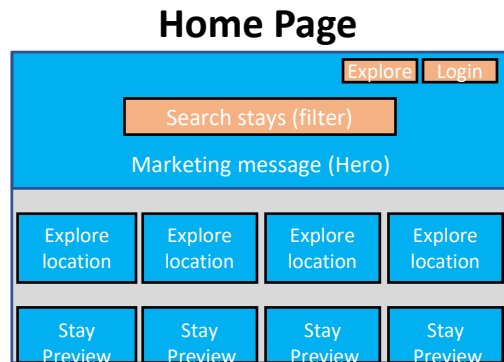
Login/Signup

Become A Host

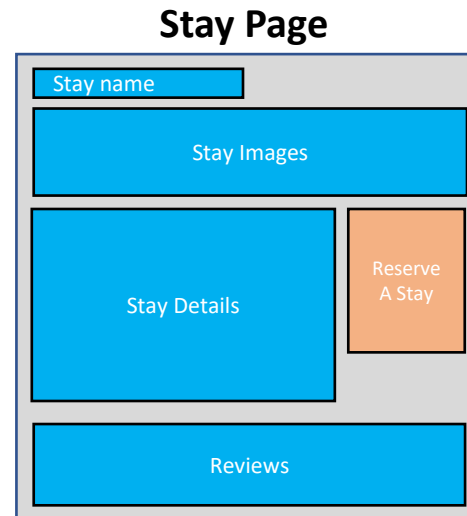
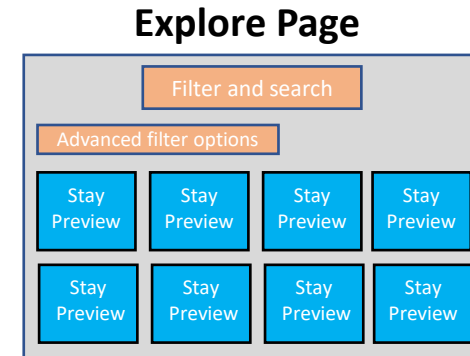
Dashboard

Main Flows

Main Flow 1

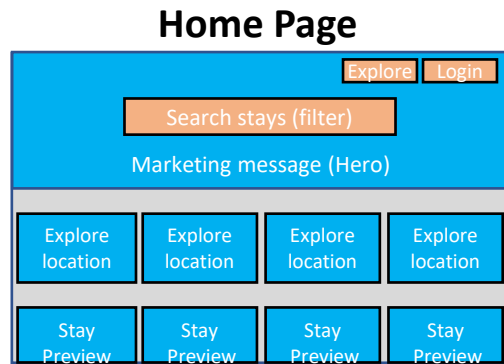


Clicking on: "Explore" / "Explore Location" / "See all" or using Search: takes the user to the Explore Page. Search / filter at the Explore Page shall be set accordingly

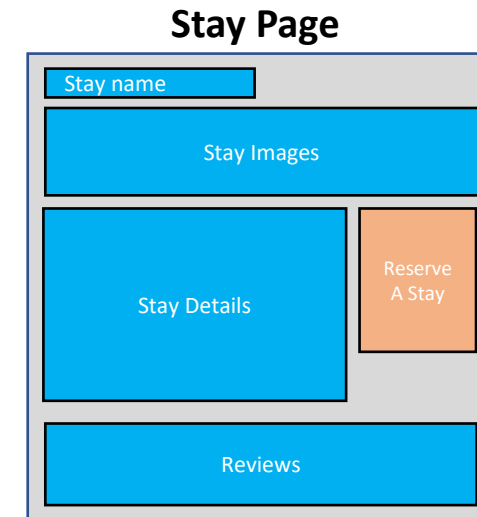


Clicking on: Stay Preview takes the user to the Stay Page Where he can reserve a stay (checkout)

Main Flow 2



Clicking on: "Stay Preview" takes the user to Stay Page Where he can reserve a Stay (checkout)



Main Pages UX

Home Page – Top Fold, Below Fold

LOGO

Explore | Become Host | Login

Location


Where are you going?

Dates

Add dates

Guests

Add guests



Live

Anywhere.

Trending Locations:

Explore Location A:
New York

Explore Location A:
London

Explore Location A:
Sydney

Explore Location A:
Barcelona

Top Rated Stays:

Preview Stay 1:
House in Tel-Aviv

Preview Stay 2:
Villa in Jerusalem

Preview Stay 3:
Apartment in Haifa

Preview Stay 4:
House in Haifa

[See all](#)

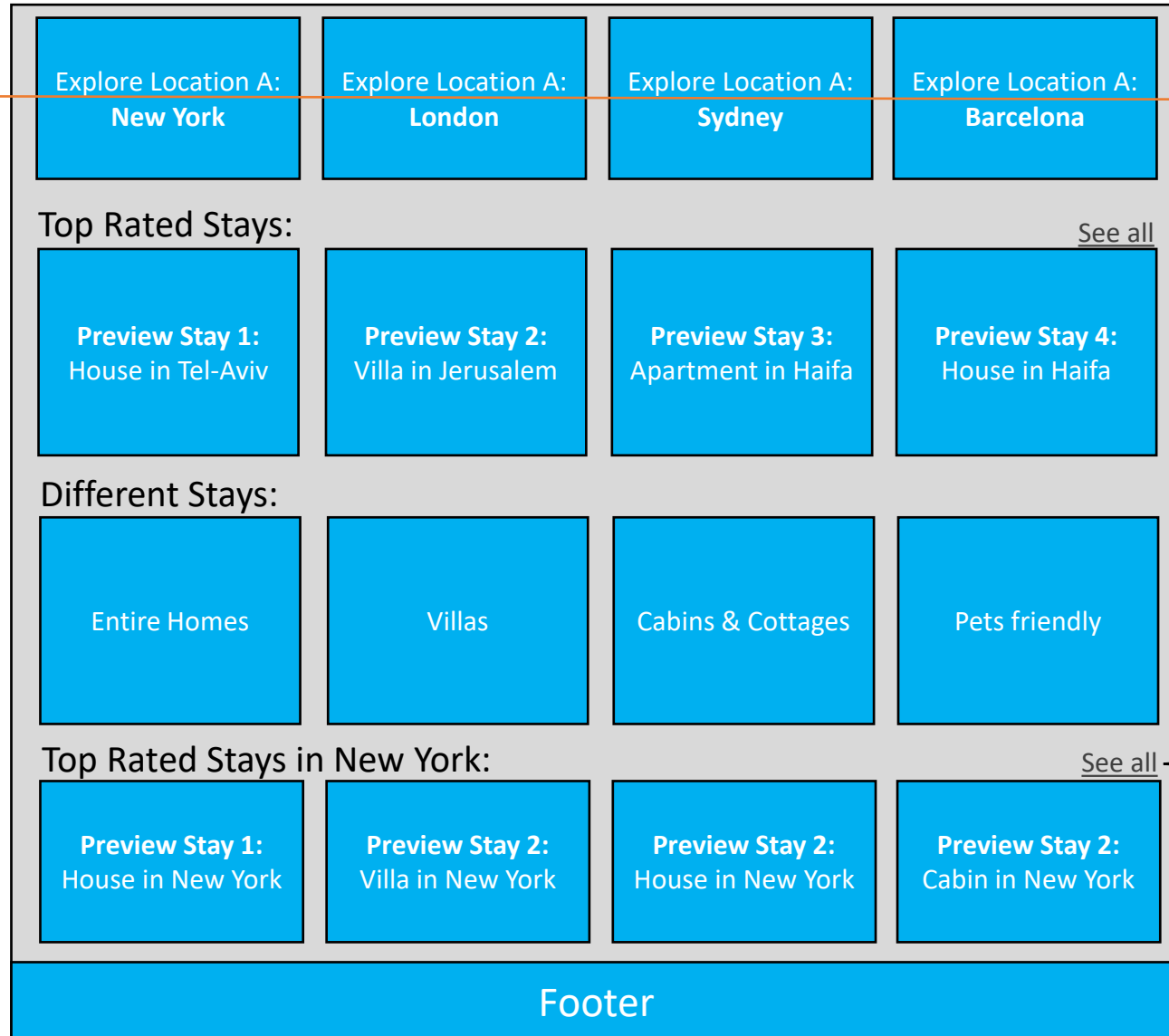
Different Stays:

Search Stays

Top fold

Stay Preview:
Clicking goes
to Stay Details
page

Home Page – Below Fold



Top fold

Takes you to Stay
List (filtered)

Explore Page (Stays' Preview List)

LOGO

Explore | Become Host | Login

New York

Filter type

Filter price

Instant book

More filters

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Stay Preview

Extended search (on focus)

Location	Dates	Guests	
New York	Jan 15 – Jan 18	2 Guests	

Filter Examples:

Filter type

☐ Villa

☒ House

☐ Cabin

☐ Apartment

Filter price

Min price: \$ 15

max price: \$ 237

Save

Check: Airbnb / fiverr for reference on filter menus

Preview Item

Main component – Stay Preview

Click on preview item to go to Stay Page

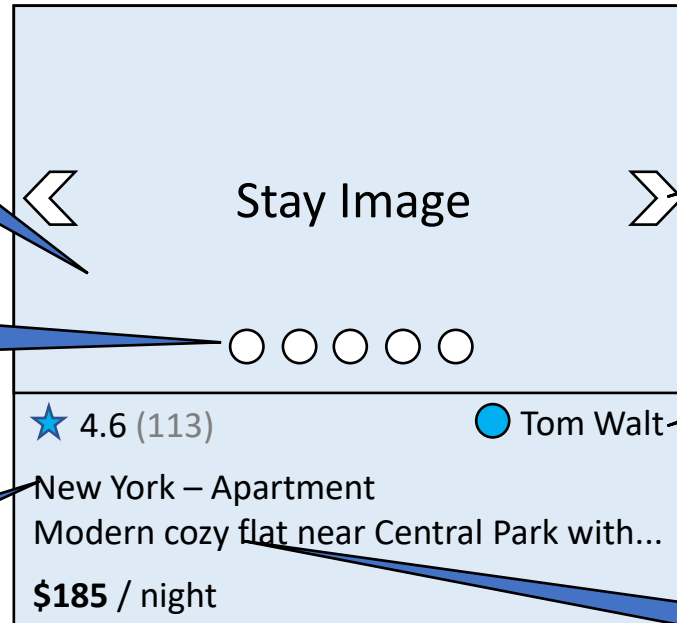
Cycle Images with arrow on hover

Click to change displayed image

Host image & name

Stay Location & Type

Stay Description



Stay Page Top

LOGO

Start your search

Rami

Stay Name

Modern cozy flat near Central Park New York

Stay Rating & Location

★ 4.6 (113)

New York, USA

Stay Image 1

Stay Image 2

Stay Image 3

Stay Image 4

Stay Image 5

Host name

Entire loft Hosted by Tom Walt

Host Avatar



Stay Amenities (properties)

2 Guests, Apartment, 1 Bed

Entire home

Air conditioning

Self check-in

Ethernet connection

Kitchen

Pets allowed

Accessibility

Stay Description

The loft is amazing and has such a nice view. Perfect for a couple looking for a nice weekend to relax & experience ...

185\$ / night

Check-In

1/26/21

Check-Out

2/1/21

Guests

2 Guests

Reserve


Book a Stay (select dates & number of guests)

Stay Page Bottom

LOGO

Start your search

Rami

 Ethernet connection

The loft is amazing and has such a nice view. Perfect for a couple looking for a nice weekend to relax & experience SoHo Homebase for the Urban Explorer! South of Houston Street, Arlo SoHo sits at the crossroads of New York City's favorite downtown neighborhoods. A with its boutiques and cafes as well as Hudson Square's


185\$ / night

Check-In 1/26/21	Check-Out 2/1/21
Guests 2 Guests	

Reserve


★ 4.6 (113 reviews)

[See all](#)

 Beny Bendor
Dec 2020

★★★★★

Beautiful stay at NY! Really nice stay and amazing view!

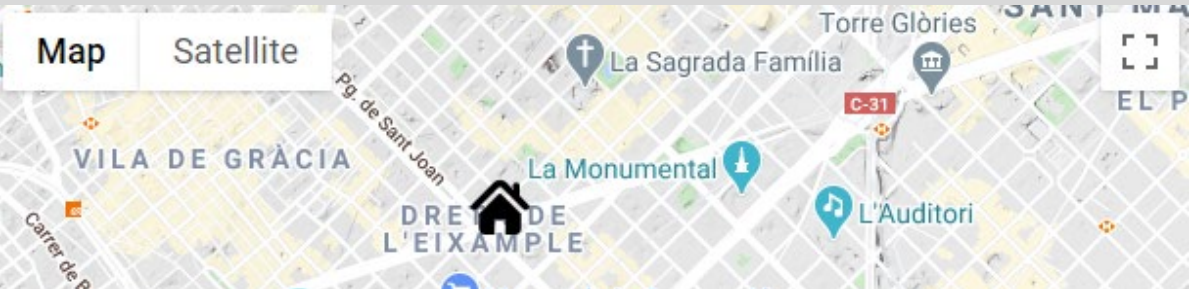
 Maya Mayanovich
Nov 2020

★★★★★

Very nice and fun exp. recommended it to all my friends and next time I'...

Location

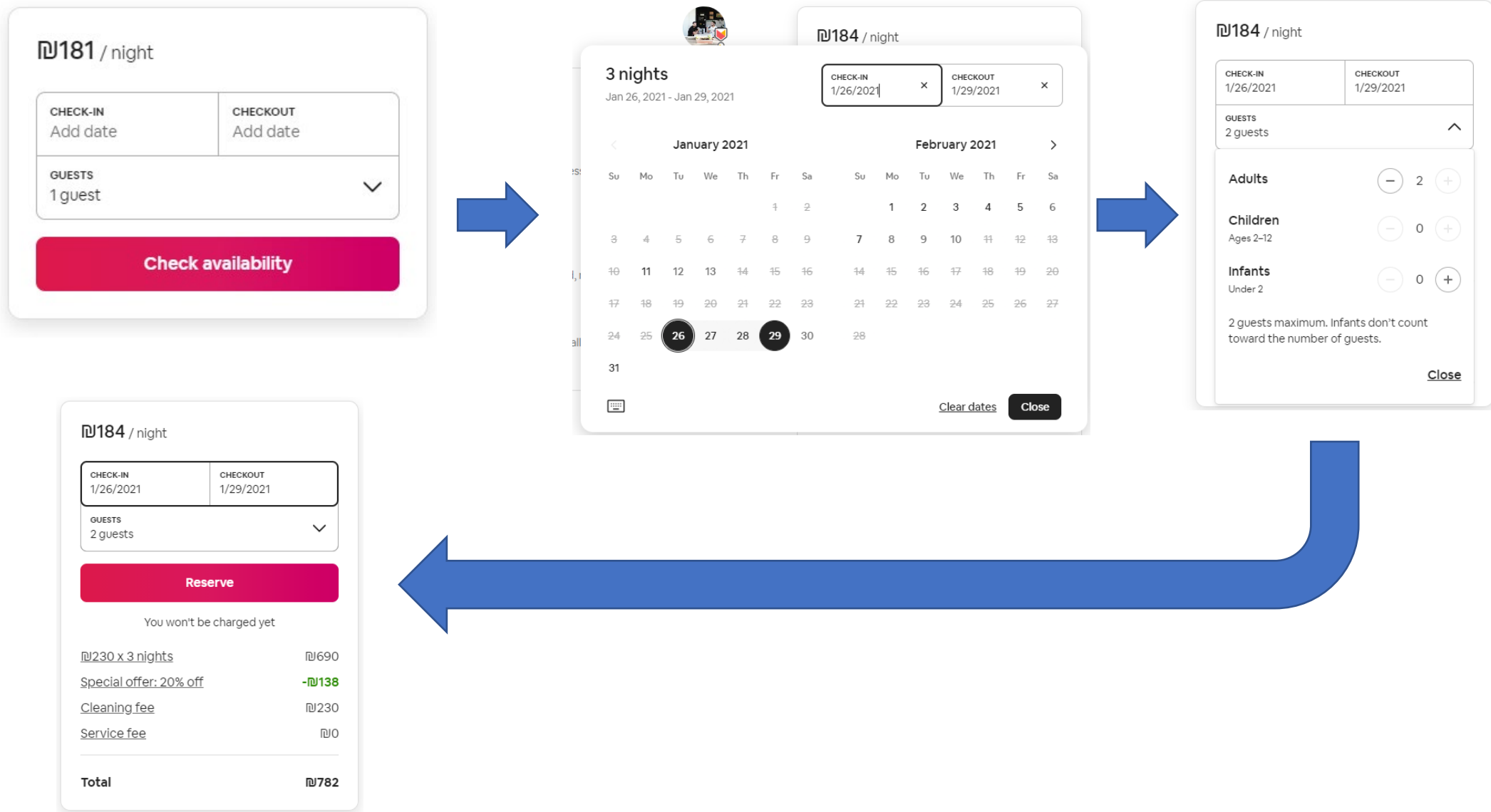
MapSatellite



Reserve a stay (checkout) is always visible

See all reviews

Stay Page > Reserve (Airbnb flow)



Login Page

LOGO

Explore | Become Host | Login

×

LOGO

Homebnb

Email

Password

Continue

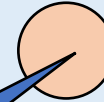
Host Backoffice

LOGO

Explore | Become Host | Tom

Pending / Accepted Reservations

[See all](#)

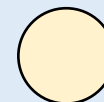


Gery Gibson

Dec 18 – Dec 22, 2 guests, Casa De...

✗

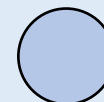
✓



Shuli Shulman

Dec 13 – Dec 17, 3 guests, Casa De...


✓



Dimitri Dostoevsky

Dec 1 – Dec 6, 2 guests, Casa Del B...

✓



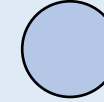
Benjamin Batista

Nov 24 – Nov 27, 2 guests, Modern...

✗

My Stays (hosting)

[Host New Stay](#)

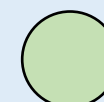


Modern cozy flat near Central Park N...

Apartment, 2 Guests, New York... ★ 4.6 (113)

Edit

Remove




Casa Del Bebe, All around adventure ...

Villa, 4 Guests, Madrid, Spain ★ 4.9 (141)

Edit

Remove

Host Summary



Tom Walt

★ 4.8 (254)

Pending: 1

Reservations this month: 4

December earnings: \$1,392

New Reviews: 3

[Go to Dashboard](#)

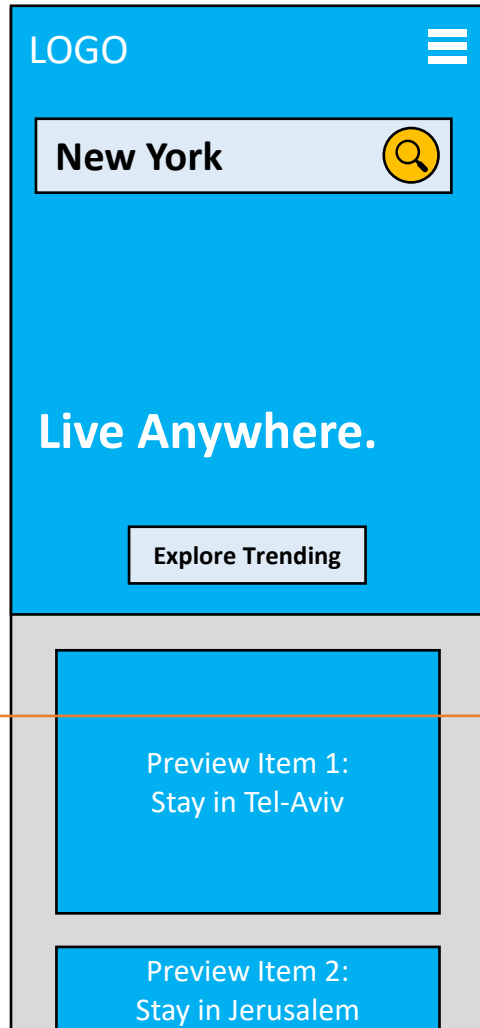
Accept / reject
Reservations

Add,
Edit, Remove
host stays

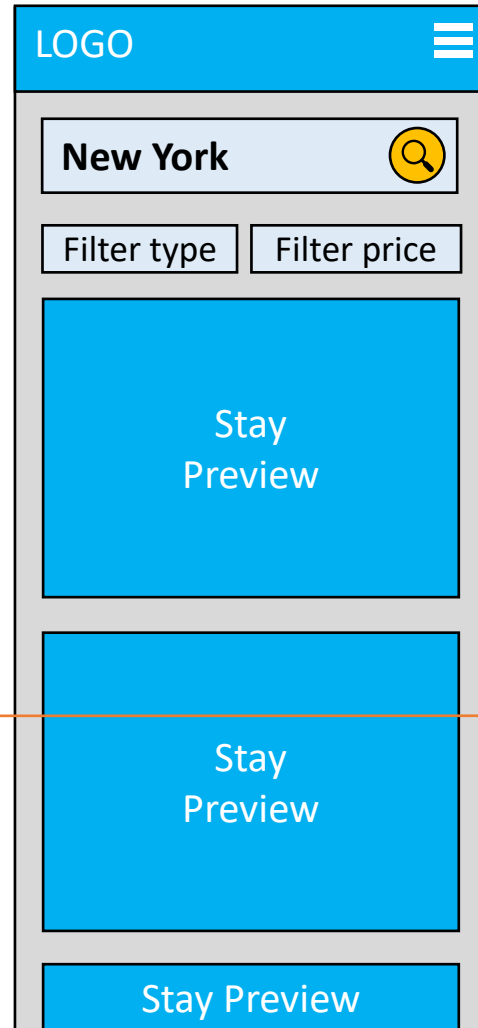
Accumulated
host rating

Dashboard Page
provides
additional
information

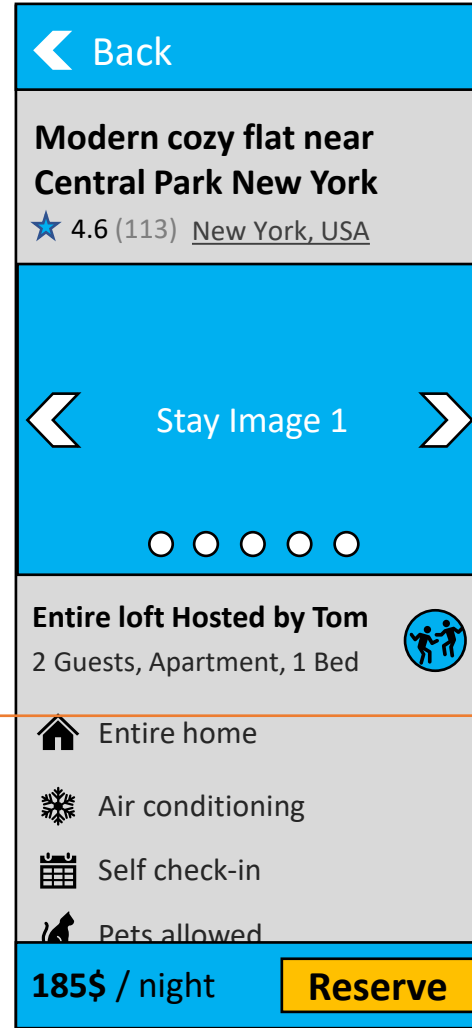
Main pages - mobile view



Home Page



Stay List



Stay Page (details)

GUEST Mode

User is asked to login when:

Reserve a Stay

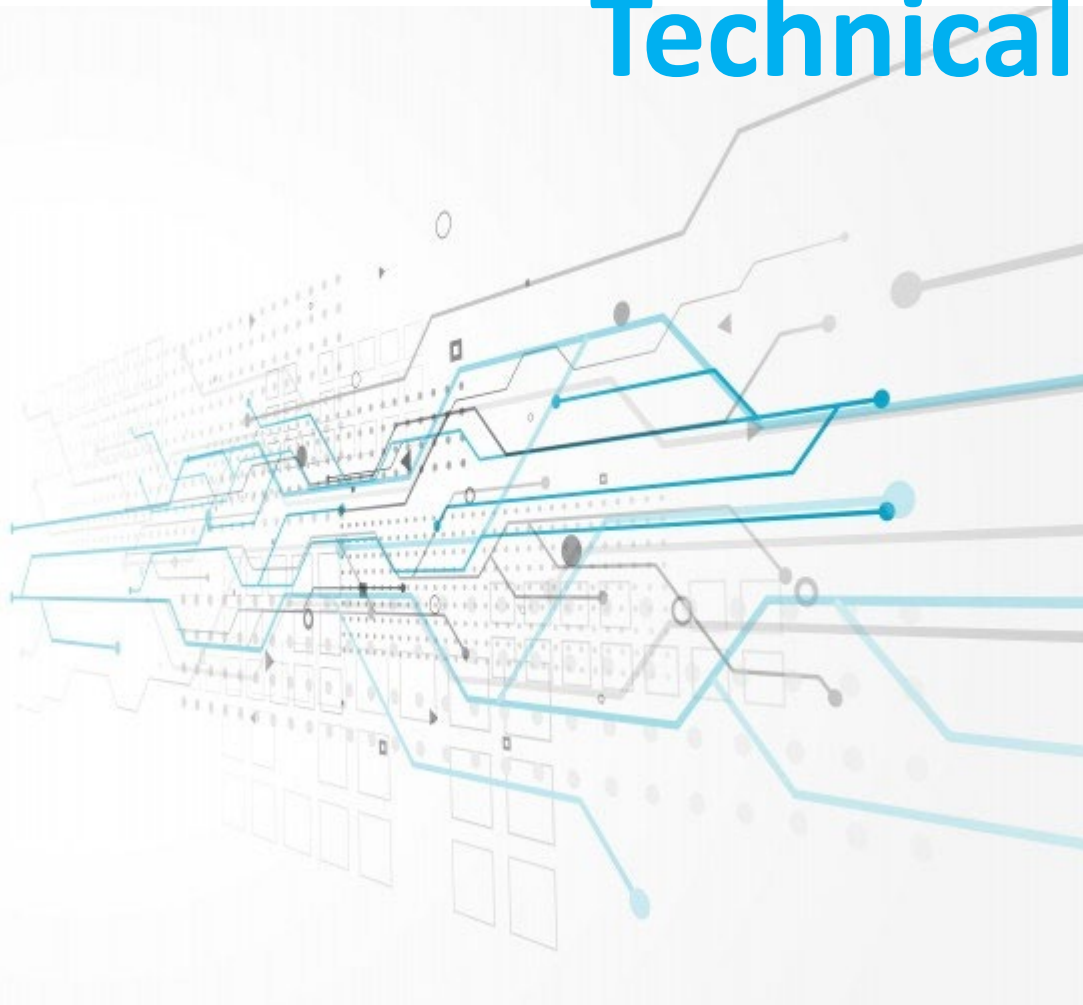
How Guests appear:

“Guest”

Special Functionality for Demo

No special functionality

Technical Design



Data Model

Prepare your data

User

```
{  
  "_id": "u101",  
  "fullname": "Orly Amdadi",  
  "username": "orly@amdadi.com",  
  "password": "tinkerbelle",  
  "isAdmin": true,  
  "imgUrl": "http://some-img"  
}
```

Minimal User (saved in other entities)

```
{  
  "_id": "u101",  
  "fullName": "Orly Amdadi",  
  "imgUrl": "http://some-img"  
}
```

Stay

```
{
  "_id": "10006546",
  "name": "Ribeira Charming Duplex",
  "imgUrls": ["mainImg.jpg", "otherImg.jpg"],
  "price": 80.00,
  "summary": "Fantastic duplex apartment with three bedrooms, located in...",
  "propertyType": "House",
  "accommodates": 8,
  "amenities": ["TV", "Wifi", "Kitchen", "Pets allowed", "Cooking basics" ],
  "host": {
    "_id": "51399391",
    "fullname": "Davit Pok",
    "imgUrl": "https://x.com/pic.jpg",
  },
  "loc": {
    "country": "Portugal",
    "countryCode": "PT",
    "address": "Porto, Portugal",
    "lat": -8.61308,
    "lng": 41.1413
  },
  "reviews": [
    {
      "id": "madeId",
      "txt": "Very helpful hosts. Cooked traditional...",
      "rate": 4,
      "by": {
        "_id": "u102",
        "fullname": "user2",
        "imgUrl": "/img/img2.jpg"
      }
    }
  ]
}
```


Store - userModel

State

loggedinUser

Actions

login

logout

Store - stayModule

State

stays

currStay

Actions

loadStays

loadStay

saveStay

addReview

Store - orderModule

State

orders

Actions

loadOrders

updateOrderStatus

saveOrder

Store - tripModule

State

```
trip: {  
  "startDate": "2025/10/15",  
  "endDate": "2025/10/17",  
  "guests": {  
    "adults": 2,  
    "kids": 1  
  },  
  "dest": {  
    "country": "Portugal",  
    "countryCode": "PT",  
    "address": "Porto, Portugal",  
    "lat": -8.61308,  
    "lng": 41.1413  
  }  
}
```

This state is frontend-only and might become and saved as an *order later*

Actions

updateTrip

Socket

- Socket is connected when app starts
- Socket is used for notifications:
 - (Any) Stay is being viewed by any other user
 - (Any) Stay was liked
 - Stay was booked
- In stay-details, a (live-comments) chat feature
 - msgs are saved in the stay document and displayed to all users
- When an order of mine changes its status (confirm/reject)

Socket Protocol (frontend side)

on

stayViewed (miniUser, miniStay)

stayLiked (miniUser, miniStay)

stayBooked(miniUser, miniStay)

orderStatusChanged (miniOrder)

newChatMsg (msg)

emit

viewedStay (miniStay)

likedStay (miniStay)

bookedStay (miniStay)

changedOrderStatus(playlist)

sendChatMsg (msg)

Pages and Components

Pages

Page	Description	Routing
Homepage	Shows top rated stays and then stays per categories	/
StayApp	This page has query string parameter and shows specific stays, for example: /stay?country=Portugal Or: /stay?q=hip	/stay
StayDetails	Shows details about the stay, allows booking and chat	/stay/h101
StayEdit	Allow creating, updating (and deleting) a stay	/stay/edit/:id?
UserDetails	User profile including owned, visited and liked stays	/user/u101
LoginSignupPage	Login / Signup	/signup

Components

Component	Props	Emits	Description
stayPreview	stay	Liked	Preview of the stay with a link to stay page
stayList	Stays	Liked	List of stays
stayFilter		filterBy	Allow filtering / ordering stays
tripSettings		Trip	Allow the user setup the trip and emit to parent
chatApp			Allow users to chat

CSS Architecture

Used Techs and APIs

Ajax and REST API

CRUDL for stays with axios and Node.js

Authentication

User/password and server session

If time permits: Use Facebook / Google login

Storage

Cloudinary to store users profile and stay images

Database

Mongodb on Atlas cloud databases

Web Sockets

Multi room with a Socket per stay

Google Map API

Display location on map

Thanks