Software Requirements Specification

(SRS) Document

HomeOnTheGo

02/19/2025

Version 1

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1. Project General Description

The goal of HomeOnTheGo is to provide travelers with short term rentals. HomeOnTheGo will allow customers to look for houses to rent based on a location and give feedback to the homeowners. The application will also allow homeowners to list their house for rent and give feedback about their tenants.

2. Project Features

HomeOnTheGo will feature location based rental searches, price range, and other specifications

Search rental based on needs: Customers will be able to search houses based on their preferred location, price range, amenities and other needs.

Profile: Profile dashboard that includes past bookings/listings and reviews of the renter/provider.

Customer wishlist: Customers will be able to create and add rentals to their wishlist. Integrated

Messaging: Customers and providers can message each other.

Customer Service: Access “Live” representative and a FAQ page from any point in the booking process or after booking.

Listings: Providers will be able to list their property for rent.

3. Functional Requirements

Customer: Lily Nguyen

- FR0: The application will allow customers to create an account.
- FR1: The app will allow all users to modify their profile.

- FR2: The application will allow customers to filter houses for rent based on a location, price range and amenities.
- FR3: The application will allow customers to add houses to their wishlist. - FR4: The application will allow customers to read and write reviews on house providers.
- FR5: The application will allow customers to look at activities based on house rental location.
- FR6: The application will allow customers to message the house provider. - FR7: The application will allow customers to have access to customer service. - FR8: The application will allow customers to view past, current and future bookings.

SysAdmin: Eduardo Herrera Barraza

- FR0: The app will allow administrators to flag content and delete cards and accounts. - FR1: Moderates the type of accounts that are being created, verifying the creation. - FR2: Administrators will be pre-assigned. (the group itself will be admin). - FR3: Account moderating on a strike base system.
- FR3: Account banning based violation type.
- FR4: Site translation to regional languages.
- FR5: Traffic information to prevent any unspecified behavior on the part of the website. - FR6: Separate databases for customer/provider information and property information.

Provider: Jared Martinez

- FR0: Application will request user to create account
- FR1: The application will request user to modify their profile, update payment details, and manage their hostings

-FR2: The application will allow to create a property listing by providing certain details like location, price, amenities, house rules, and photos of the property -FR3: The Application will allow hosts to delete their listing

-FR4: The Application will allow hosts to accept or decline reservations -FR5: The Application will allow hosts and guests to communicate with a one another via the App

-FR6: The application will allow the host to contact customer service

-FR7: The Application will allow hosts to check their earnings

-FR8: the application will allow to host to respond to feedback from guests to further improve their listing and build their reliability

4. Non-Functional Requirements

Customer: Lily Nguyen

- NFR0: The application will load the top 10 houses that meet the requirements of the customer. This will allow for quick generation instead of loading a bunch of houses at once.

- NFR1: Customers should be able to access their saved wishlist instantly. - NFR2: Customer's messages to the house provider should be sent and received in less than 10 seconds.

SysAdmin: Eduardo Herrera Barraza

- NFR0: Account banning should occur instantly.
- NFR1: Once an offense is committed and is added to the customer/provider profile they should be notified with no less than 3 minutes delay.
- NFR2: Site translation should be done automatically with no delay.
- NFR3: Account creation should take more than 5 minutes.

Provider: Jared Martinez

-NFR0: users should be able to access their preferred properties in less than 5 seconds

-NFR1: Hosts should be able to remove/update a listing in less than 5 seconds

-NFR2: Users should receive a booking confirmation in under 5 seconds

5. Scenarios

Customer: Lily Nguyen

I. Look up houses based on requirements

- **Initial Assumption:** Customer has made an account and is logged in and on the homepage of HomeOnTheGo.
- **Normal:** Customer uses search bar area to input requirements for house rental.
  - Input location, price range, amenities
  - After clicking search, the top 10 houses that fit the criteria of the customer will be presented.
  - Customers will have the option of looking at the houses provided and their details (price, location, pictures, reviews) or load more houses to look at.
- **What Can Go Wrong:** Customers can accidentally input the wrong criteria they wanted in the search bar. They will be able to go back into the search bar and fix their criteria and research for houses.
- **Other Activities:** Customers can create a whole new search with different criteria for a house. Customers can also click on a house for rent and see more details about it.
- **System State on Completion:** Customers can view a list of houses for rent based on their criteria.

SysAdmin: Eduardo Herrera Barraza

I. User is reported for violating the sites terms of service

- **Initial Assumption :** Customer has made an offensive comment about the person they have rented a home from in the review section.
- **Normal:** System administrators see this and take one of 2 actions:
  - The administrator deems the comments too offensive for the customer to remain on the website, a unilateral ban occurs.
  - The administrator deems the comment offensive but not sufficiently to merit unilateral banning, customer is issused a strike to their account.

- **What could go wrong:** Due to site oversight the system could flag a certain word out of context as offensive and the administrator could erroneously issue a strike or unilateral ban. There will be an appeal option in both cases and direct access to customer service.
- **Other Activities:** Customers can escalate issues regarding violations or past infractions at any time.
- **System State on Completion:** Customers can view strikes issued to them on their dashboard with ways to appeal or in the scenario of an account banning an email containing this information.

Provider: Jared Martinez

I. Listing a property and managing bookings

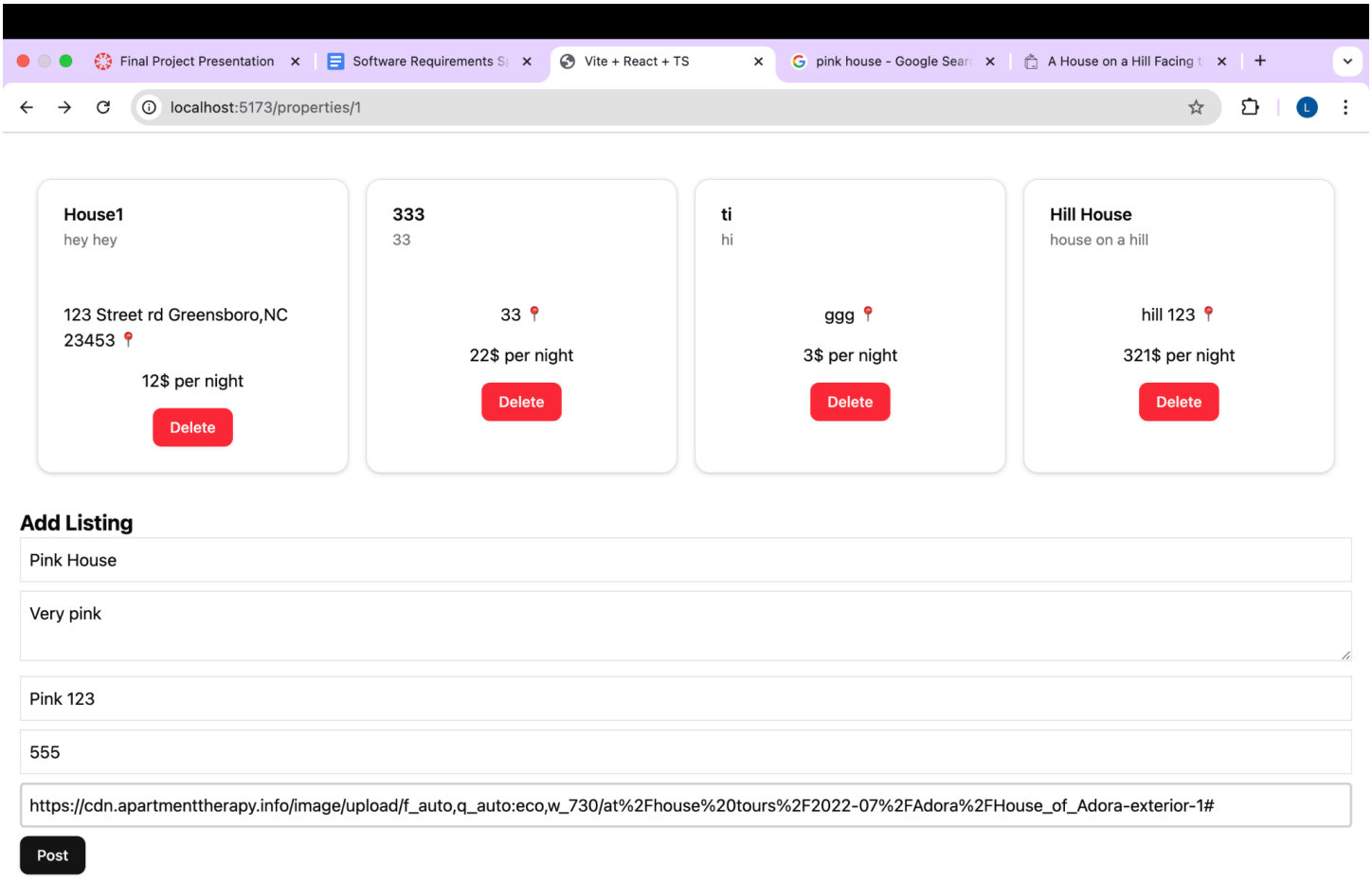
- **Initial Assumption:** Host is logged into the application and is on the landingPage of the App
- **Normal Flow:** The host will navigate to the create listing page and fill in all details necessary
  - Hosts submits listing for approval
  - Once approved listing becomes available for travelers
  - Host can then after confirm or decline bookings
- **What can go Wrong:**
  - The host can submit incorrect details. Host should be able to edit the incorrect details
  - The host may price the listing too high or too low so price suggestion should be provided
  - The host might accidentally click on the decline button for a booking. A confirmation pop up window should appear to verify the decline
- **Other Activities:**
  - The host can message guests to clarify bookings
  - A host can temporarily deactivate a listing
- **System State of Completion:**
  - Once listed the property will be visible to all travelers

- Bookings will be recorded and upcoming bookings will be notified to the host

Scenarios with screenshots

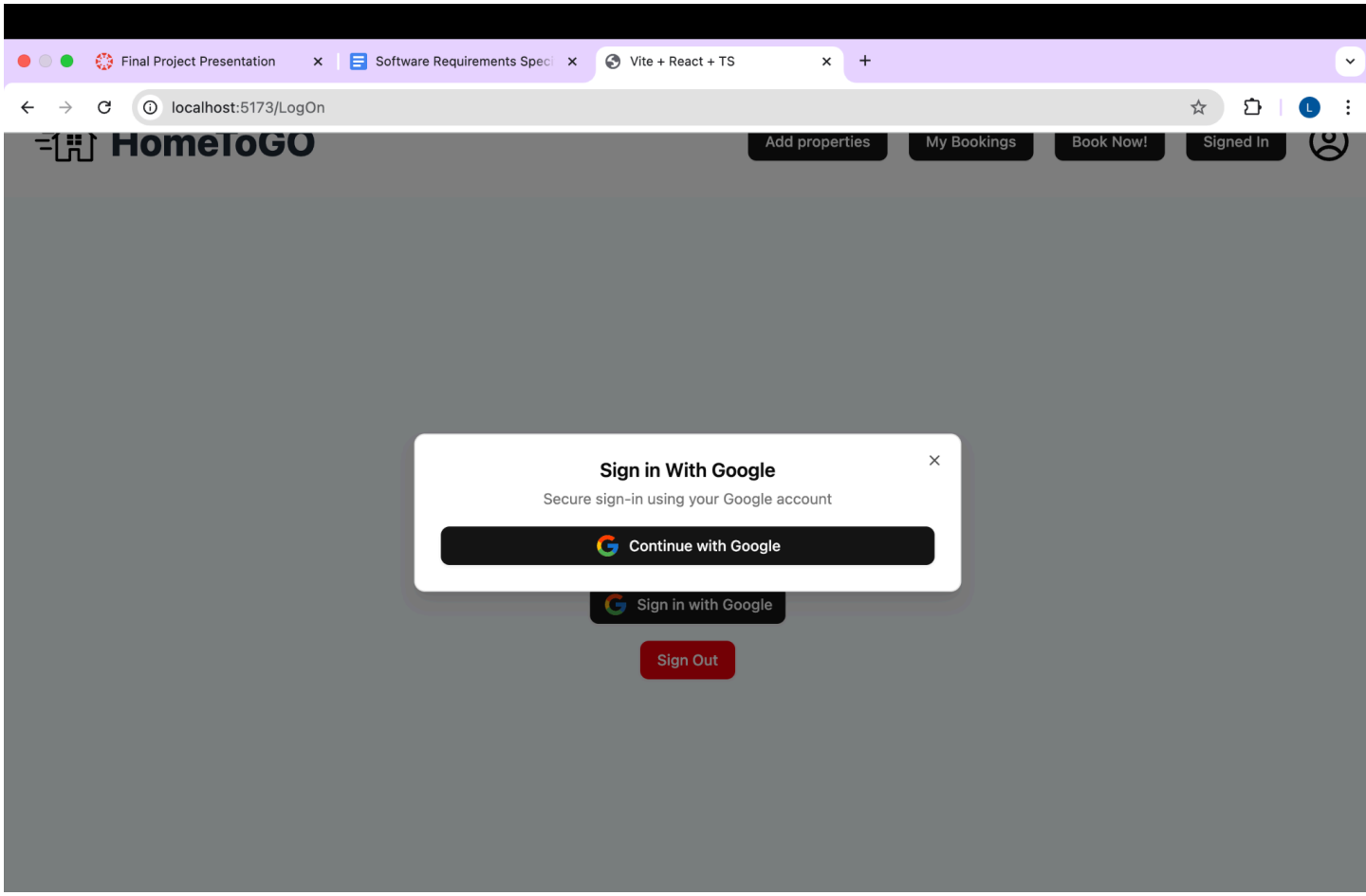
Provider: Jared

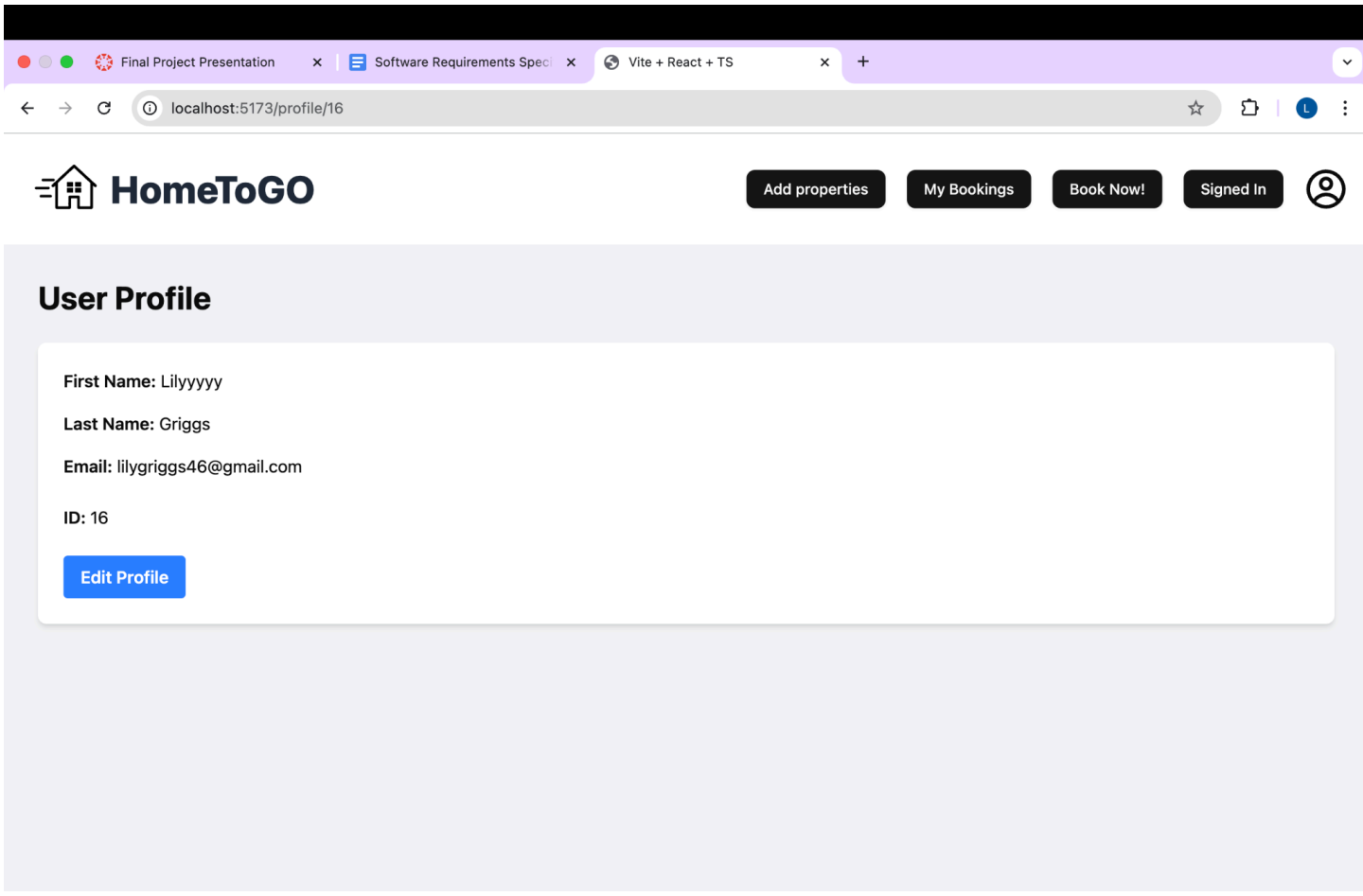
Provider P1 creates a new profile account. P1 creates S1 by posting a house for rent. P1 logs out.



Customer: Lily

1. Customer C1 creates a new profile account
2. Customer C1 views S1
3. Customer C1 views reviews for S1
4. Customer C1 books S1
5. Customer C1 views all bookings
6. Customer C1 leaves a review for S1


Final Project Presentation
Software Requirements Spec
Vite + React + TS
localhost:5173/LogOn
HomeToGO
Add properties
My Bookings
Book Now!
Signed In
Sign in With Google
Secure sign-in using your Google account
Continue with Google
Sign in with Google
Sign Out


Final Project Presentation
Software Requirements Spec
Vite + React + TS
localhost:5173/profile/16
HomeToGO
Add properties
My Bookings
Book Now!
Signed In
User Profile
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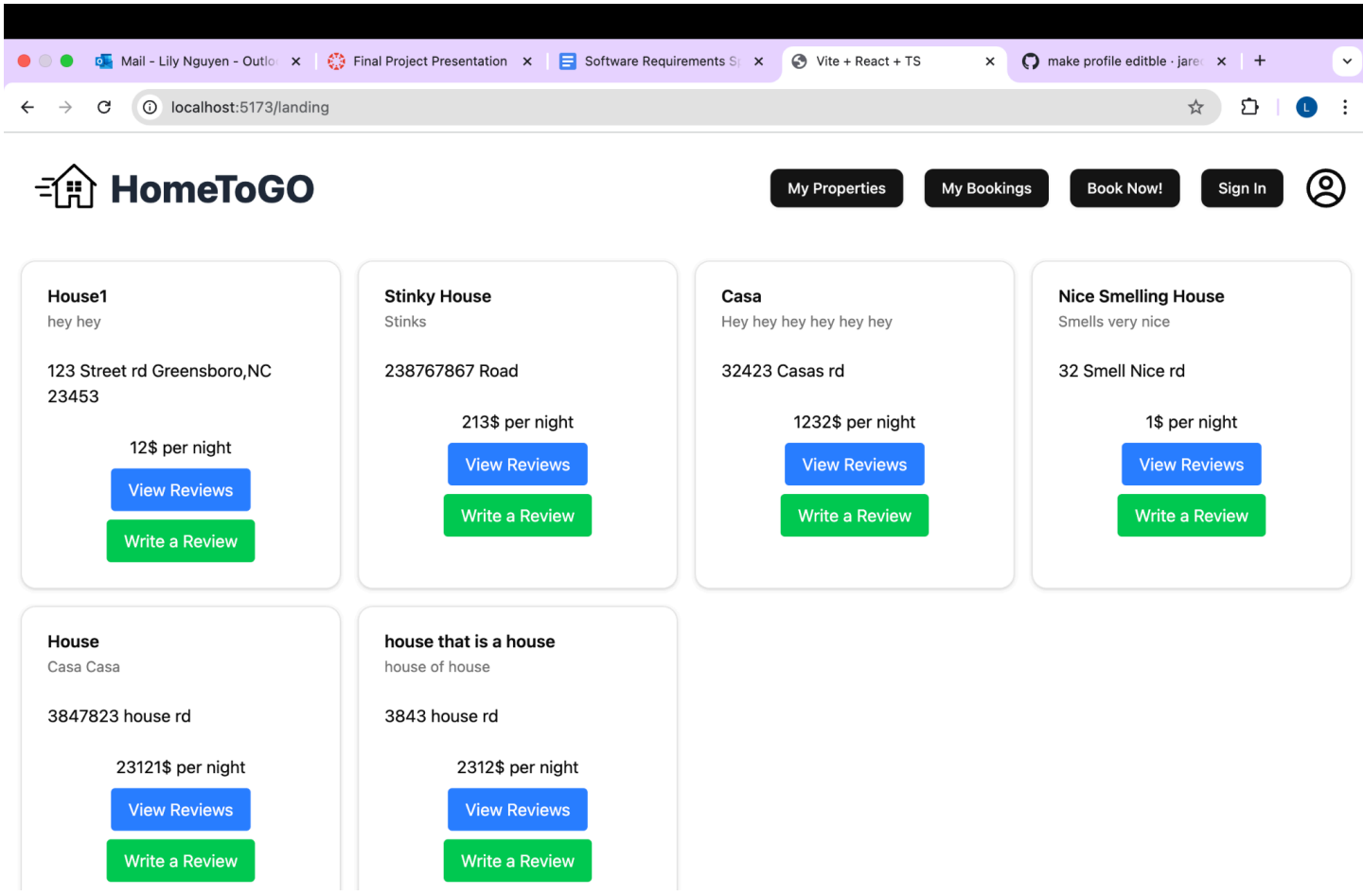
Last Name: Griggs
Email: lilygriggs46@gmail.com
ID: 16
Edit Profile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Software Requirements S
Vite + React + TS
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localhost:5173/landing
HomeToGO
My Properties
My Bookings
Book Now!
Sign In
House1
hey hey
123 Street rd Greensboro,NC 23453
12$ per night
View Reviews
Write a Review
Stinky House
Stinks
238767867 Road
213$ per night
View Reviews
Write a Review
Casa
Hey hey hey hey hey hey
32423 Casas rd
1232$ per night
View Reviews
Write a Review
Nice Smelling House
Smells very nice
32 Smell Nice rd
1$ per night
View Reviews
Write a Review
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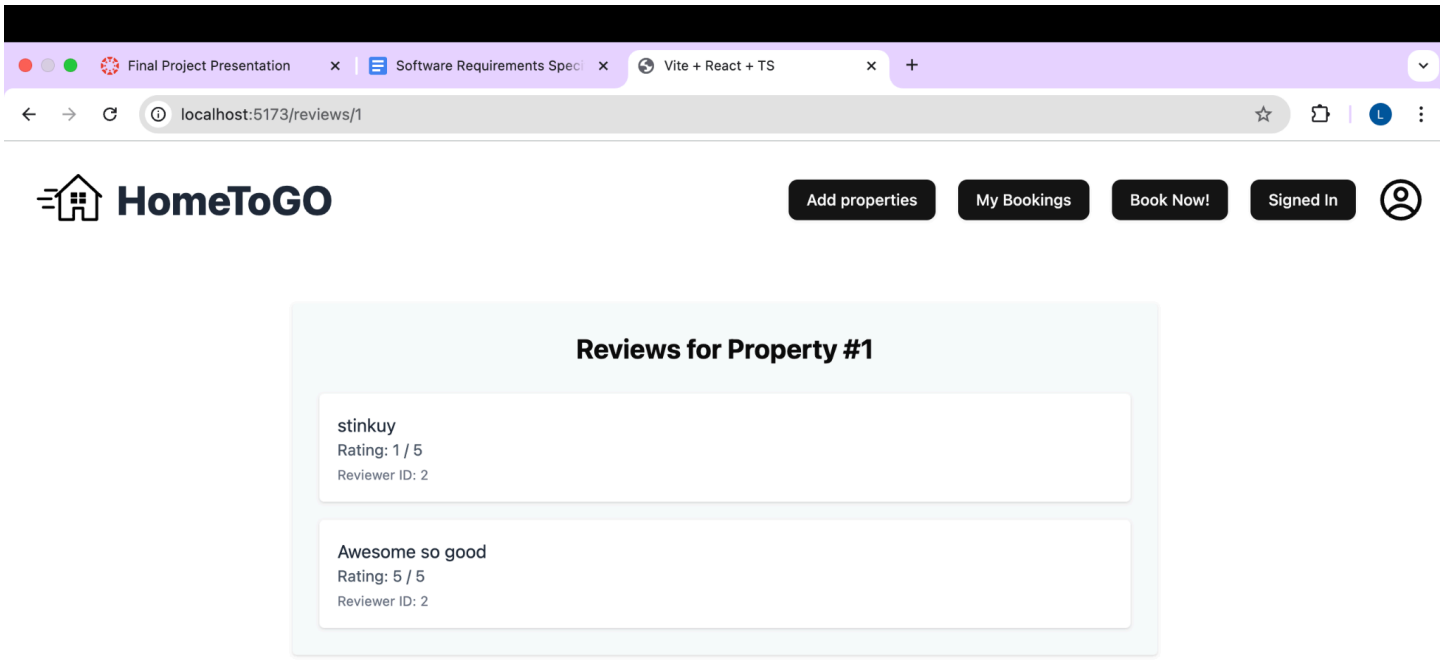
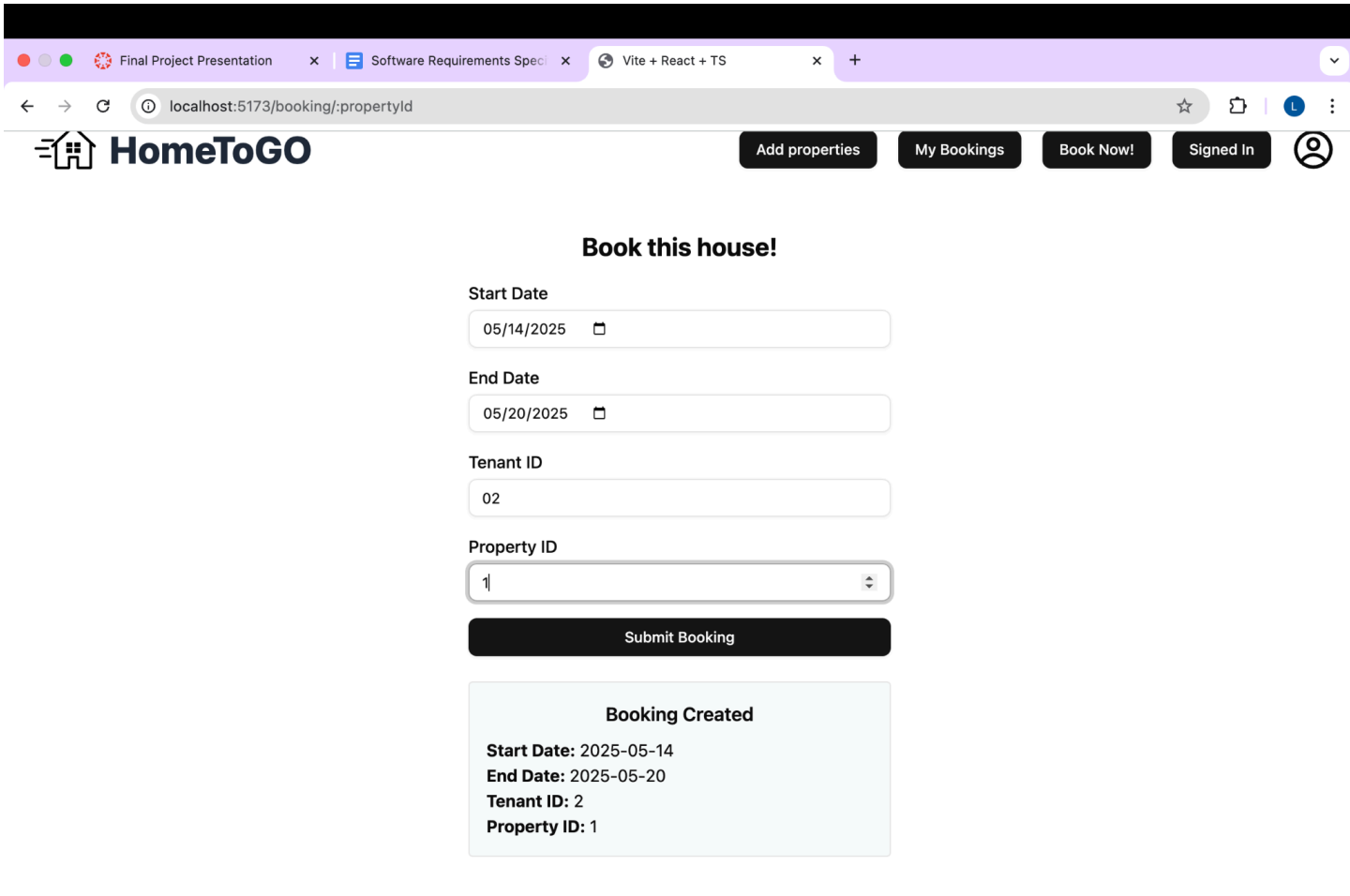
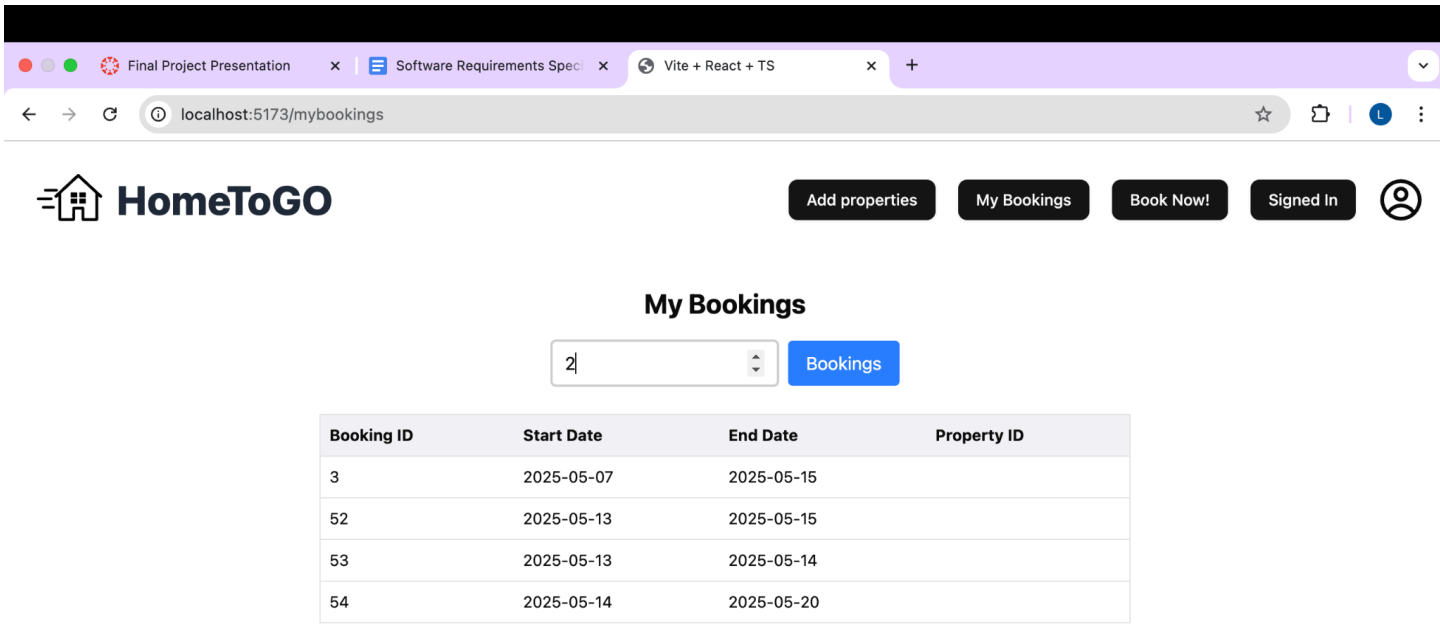
View Reviews
Write a Review


Final Project Presentation
Software Requirements Spec
Vite + React + TS
localhost:5173/reviews/1
HomeToGO
Add properties
My Bookings
Book Now!
Signed In
Reviews for Property #1
stinkuy
Rating: 1 / 5
Reviewer ID: 2
Awesome so good
Rating: 5 / 5
Reviewer ID: 2


Final Project Presentation
Software Requirements Spec
Vite + React + TS
localhost:5173/booking/:propertyId
HomeToGO
Add properties
My Bookings
Book Now!
Signed In
Book this house!
Start Date
05/14/2025
End Date
05/20/2025
Tenant ID
02
Property ID
1
Submit Booking
Booking Created
Start Date: 2025-05-14
End Date: 2025-05-20
Tenant ID: 2
Property ID: 1


Final Project Presentation
Software Requirements Spec
Vite + React + TS
localhost:5173/mybookings
HomeToGO
Add properties
My Bookings
Book Now!
Signed In
My Bookings
2
Bookings
Booking ID
Start Date
End Date
Property ID
3
2025-05-07
2025-05-15
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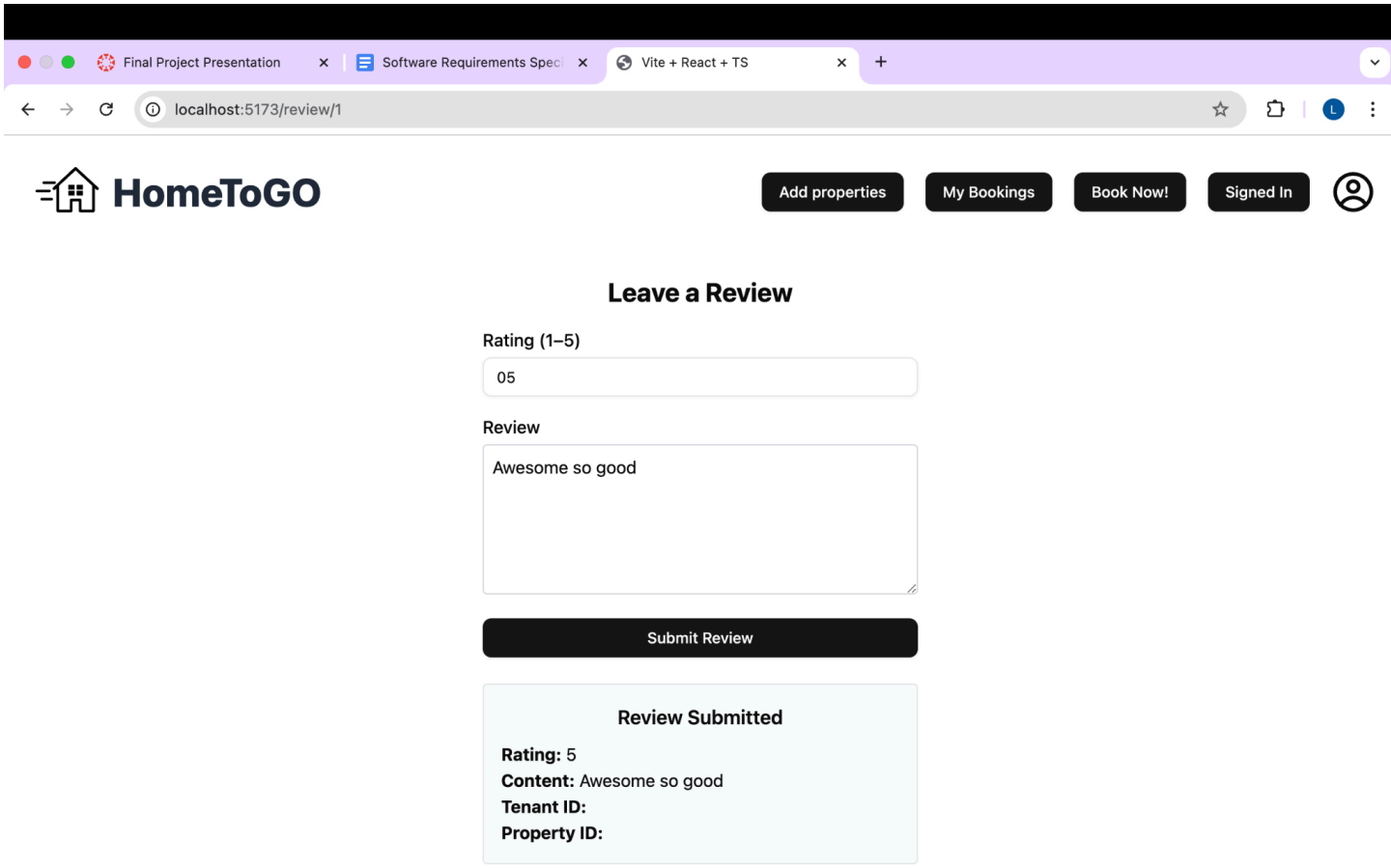
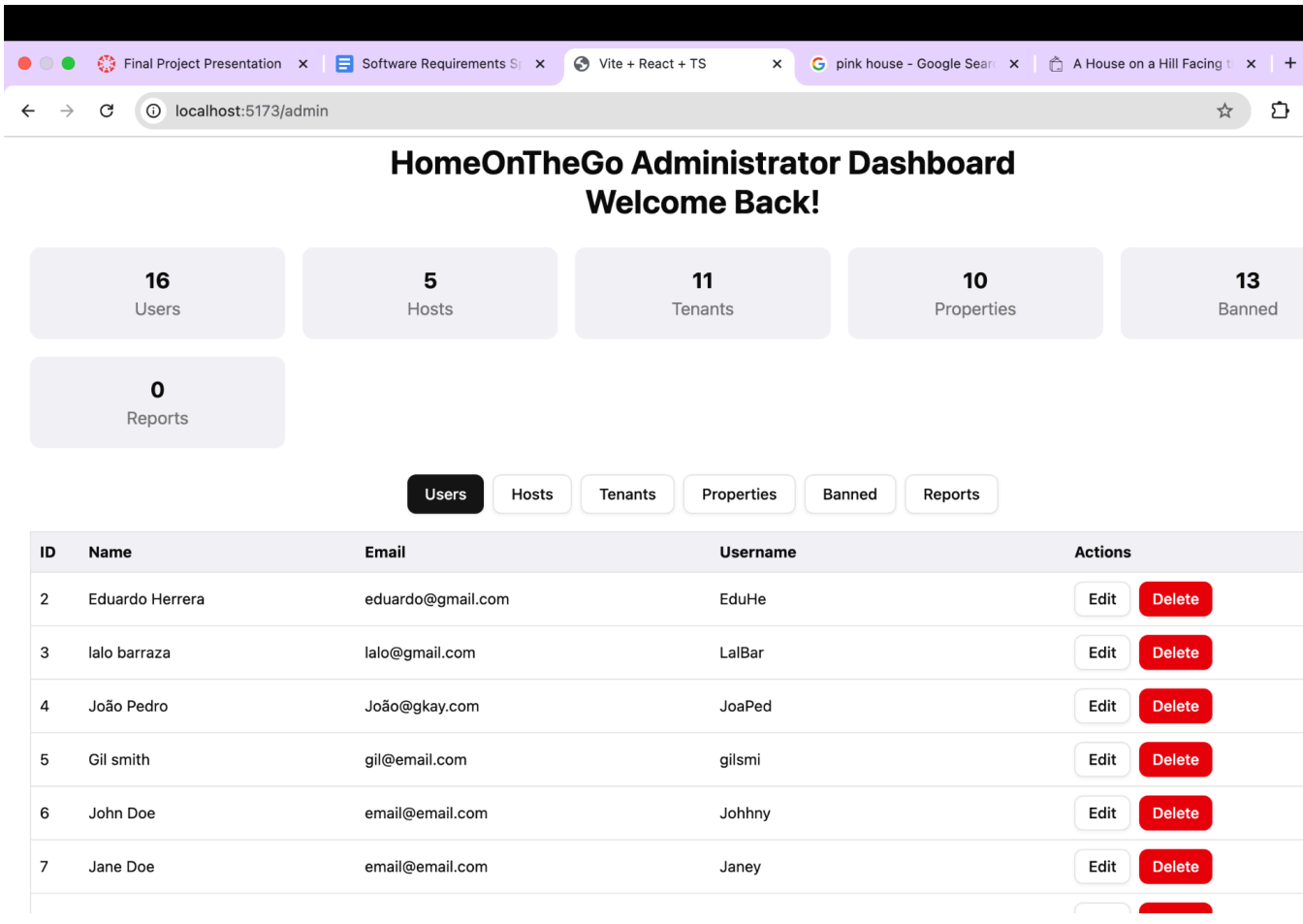
2025-05-13
2025-05-15
53
2025-05-13
2025-05-14
54
2025-05-14
2025-05-20



Admin: Eduardo

1. System admin logs in and is able to see statics for the website such as number of users, type of users a long with the number of such users, see banned users, and the number of properties listed on the site.
2. Admin views that C1 has commented something inappropriate in the reviews section, C1 gets banned and their account is deleted by the admin.
3. Admin returns to the admin landing page to see that C1 has been removed.
4. C1 tries to use the website again but instead has to make a new profile, C1's previous account has a been deleted.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pink house - Google Sear
A House on a Hill Facing t
localhost:5173/admin
HomeOnTheGo Administrator Dashboard
Welcome Back!
16
Users
5
Hosts
11
Tenants
10
Properties
13
Banned
0
Reports
Users
Hosts
Tenants
Properties
Banned
Reports
ID
Name
Email
Username
Actions
2
Eduardo Herrera
eduardo@gmail.com
EduHe
Edit
Delete
3
lalo barraza
lalo@gmail.com
LalBar
Edit
Delete
4
João Pedro
João@gkay.com
JoaPed
Edit
Delete
5
Gil smith
gil@email.com
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6
John Doe
email@email.com
Johhny
Edit
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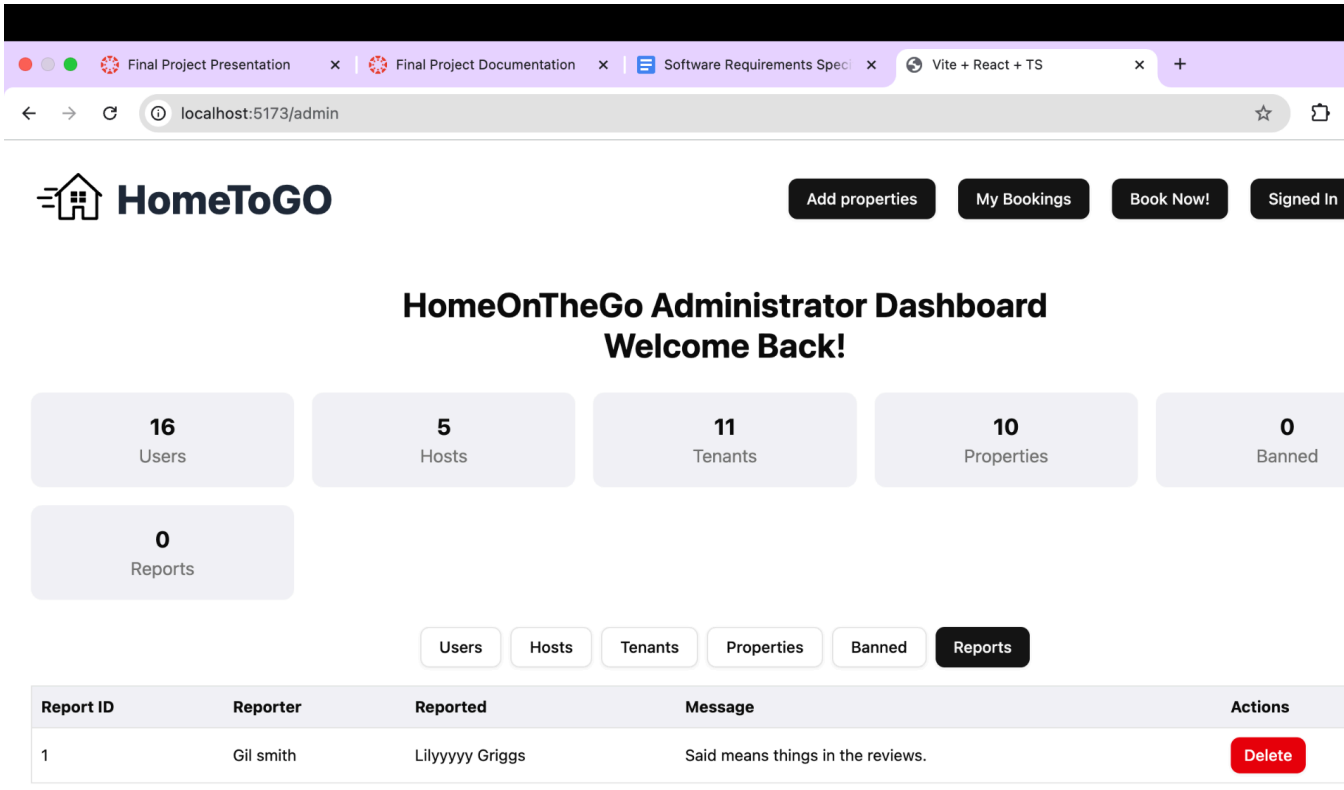
7
Jane Doe
email@email.com
Janey
Edit
Delete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16
Users
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Properties
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1
Gil smith
Lilyyyyy Griggs
Said means things in the reviews.
Delete