

CS6314-SEC003-WEB PROGRAMMING LANGUAGES

Project Report - Team #9

- **Name of the website – StayCation!**

- **Functionality Checklist -**

Functionality	Status
User signup: Register a new user to the system <ul style="list-style-type: none">• Form validation: Check if all mandatory fields are filled out• Check if password is strong enough. Define the rules of having a strong password. User passwords should be hashed, and only encrypted version of passwords should be stored in the database	Completed ✓
User login	Completed ✓
List all properties in the system.	Completed ✓
Users will “filter” properties based on a city and/or property type	Completed ✓
Users will add properties to their favorites list	Completed ✓
Users will access their favorites list	Completed ✓
Users will remove properties from their favorites list	Completed ✓
Users will be able to rate a given property	Completed ✓
They will enter their feedback/comments as they rate the property	Completed ✓

Users will be able to sign-up for a host account (Become a host)	Completed ✓
Hosts will add properties to the system	Completed ✓
For adding a property, they should be able to upload picture(s)	Not Completed
Hosts will update property details (description, amenities, price, cleaning fee etc.)	Completed ✓
Hosts will delete properties from the system (soft delete: mark them as unavailable)	Completed ✓
Users will make reservations. For making a reservation, availability of the property should be checked	Completed ✓
For users, reservations (both past and future) will be listed along with reservation dates	Completed ✓
Users will be able to cancel the reservation if it is before 48 hours before reservation date/time	Completed ✓

- **Database Design -**

1. Collection - Users

```
{
  "user_id": "",
  "name": "",
  "email": "",
  "password": "",
  "contact_number": "",
  "favorites": [],
  "address": {
    "street": "",
    "city": "",
    "zipcode": ""
  }
}
```

2. Collection - Properties

```
{
  "property_id": "",
  "title": "",
  "city": ""
```

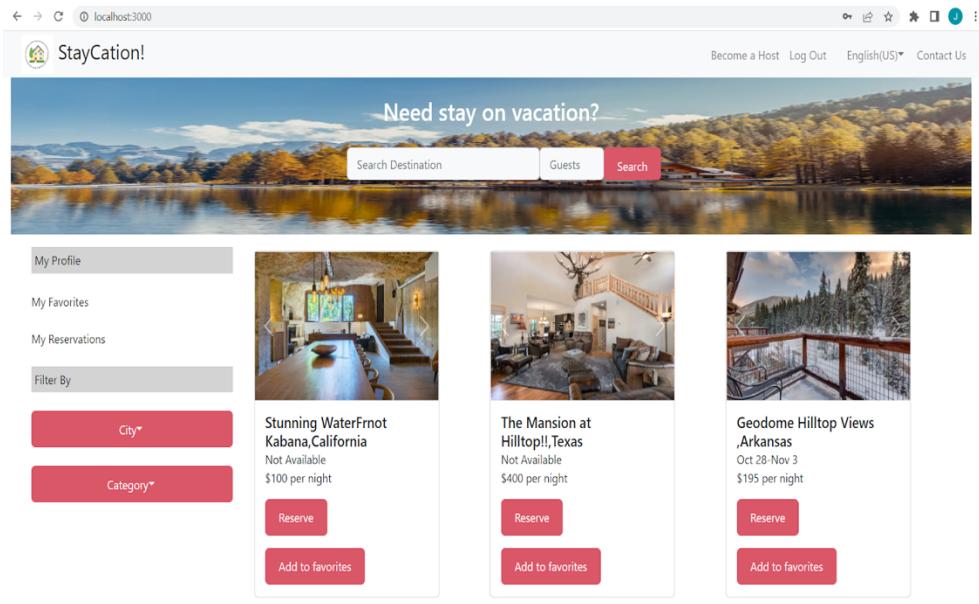
```
"state": "",  
"description": "",  
"nightly_fee": "",  
"cleaning_fee": "",  
"service_fee": "",  
"amenities": [],  
"bedrooms": "",  
"bathrooms": "",  
"availability": "",  
"guests": "",  
"images": [],  
"available_end_date": "",  
"available_start_date": "",  
"category": "",  
"host_id": "",  
"rating": "",  
"comments": "",  
}
```

3. Collection - Reservations

```
{  
    "reservation_id": "",  
    "user_id": "",  
    "property_id": "",  
    "stay_start": "",  
    "stay_end": "",  
    "guests": ""  
}
```

- **Outputs–**

1. Home Page -



2. Signup with form validation -

The screenshot shows a 'Signup for StayCation!' form at localhost:3000/signup. The form fields include:

- First Name: john
- Email: john@gmail.com
- Address: 905 W President George Bush Hwy
- City: Richardson
- Zip: 75080
- Phone: 945999999
- ... (text input placeholder)

A validation message at the bottom states: "password should contain atleast 8 characters, an uppercase, lowercase, number and special characters". At the bottom right are 'I'm already a member' and 'Create Account' buttons.

User being added in MongoDB –

3. Login –

- Valid Details

- Invalid Details

localhost:3000/Login

The screenshot shows a web browser window with the URL "localhost:3000/Login". The title bar says "StayCation!". The main content area has a form titled "Login!" with two input fields: one for email ("john@gmail.com") and one for password ("....."). Below the password field is a red "Login" button. A message "invalid user details" is displayed below the button.

4. Search property –

localhost:3000

The screenshot shows a web browser window with the URL "localhost:3000". The title bar says "StayCation!". The main content area features a banner with the text "Need stay on vacation?" and a scenic background of a lake and mountains. A search bar contains the text "arkansas". To the right of the search bar are buttons for "Guests" and "Search". On the left, there's a sidebar with links: "My Profile" (highlighted in grey), "My Favorites", "My Reservations", "Filter By", "City*", and "Category*". On the right, a property listing for "Geodome Hilltop Views, Arkansas" is shown, including the dates "Oct 28-Nov 3" and price "\$195 per night". It has "Reserve" and "Add to favorites" buttons.

5. Favorites -

- Added to Favorites

localhost:3000

StayCation!

Become a Host Log Out English(US) Contact Us

Need stay on vacation?

Search Destination Guests Search

My Profile

My Favorites

My Reservations

Filter By

City*

Category*



Stunning WaterFront Kabana, California
Not Available
\$100 per night

Reserve

Add to favorites



The Mansion at Hilltop!, Texas
Not Available
\$400 per night

Reserve

Added to favorite



Geodome Hilltop Views ,Arkansas
Oct 28-Nov 3
\$195 per night

Reserve

Added to favorite

- Remove from Favorites

localhost:3000/favorites/1670811010403

Need stay on vacation?

Search Destination Guests Search

My Profile

My Favorites

My Reservations



The Mansion at Hilltop!, Texas
Not Available
\$400 per night

Reserve

Remove from favorites



Geodome Hilltop Views ,Arkansas
Oct 28-Nov 3
\$195 per night

Reserve

Remove from favorites

localhost:3000/favorites/1670811010403

Need stay on vacation?

Search Destination Guests Search

My Profile

My Favorites My Reservations

Geodome Hilltop Views, Arkansas
Oct 28-Nov 3
\$195 per night

Reserve **Remove from favorites**

localhost:3000/favorites/1670811010403

6. Reserve a property –

- **Unavailable Property**

StayCation! Settings - Privacy and security localhost:3000/properties/1

sq ft. cabin has everything you need for your perfect getaway. Just a 45 minute drive north of McKinney located on 2.5 acres. You can sit back and enjoy the view of the trees while rocking of the front porch with your morning coffee.

Availability : Not Available

Rooms : 7 beds

Guests : 8

Rating : 1

Check-in: 12/01/2022 **Check-out:** 12/01/2022 **Guests:** 1

Price Per Night: \$100 Cleaning Fee: \$20 Service Fee: \$10

Reserve

Sorry!! This Property is currently unavailable

Rating: ★ ★ ★ ★ ★

Comments:

- Available and Reserved Property

Description: The dome was designed for luxury and comfort. We have put in state of the art climate control systems to keep you perfectly comfortable in extreme temperatures. This is for the fun outdoor types with adventure in mind. If you are this type you will feel right at home in our domes. There is a king size bed and a bean bag that folds out to be a queen size bed. Please request linens for the floor mattress before your stay.

Availability: Oct 28-Nov 3

Rooms: 1 beds

Guests: 4

Rating: 3.5

Check-in: 10/28/2022

Check-out: 11/02/2022

Guests: 1

Price Per Night: \$195

Cleaning Fee: \$10

Service Fee: \$8

Reserve

Thank you for reserving the property.

Rating: ★ ★ ★ ★ ★

Comments:

- My Reservations

StayCation!

Become a Host Log Out English(US) Contact Us

Need stay on vacation?

Search Destination Guests Search

My Profile

My Favorites

My Reservations

Geodome Hilltop Views, Arkansas
Check-in:2022-10-28
Check-out:2022-11-02
\$195 per night

Estates of Richardson, Texas
Check-in:2022-12-15
Check-out:2022-12-28
\$70 per night

Cancel

7. User Rating –

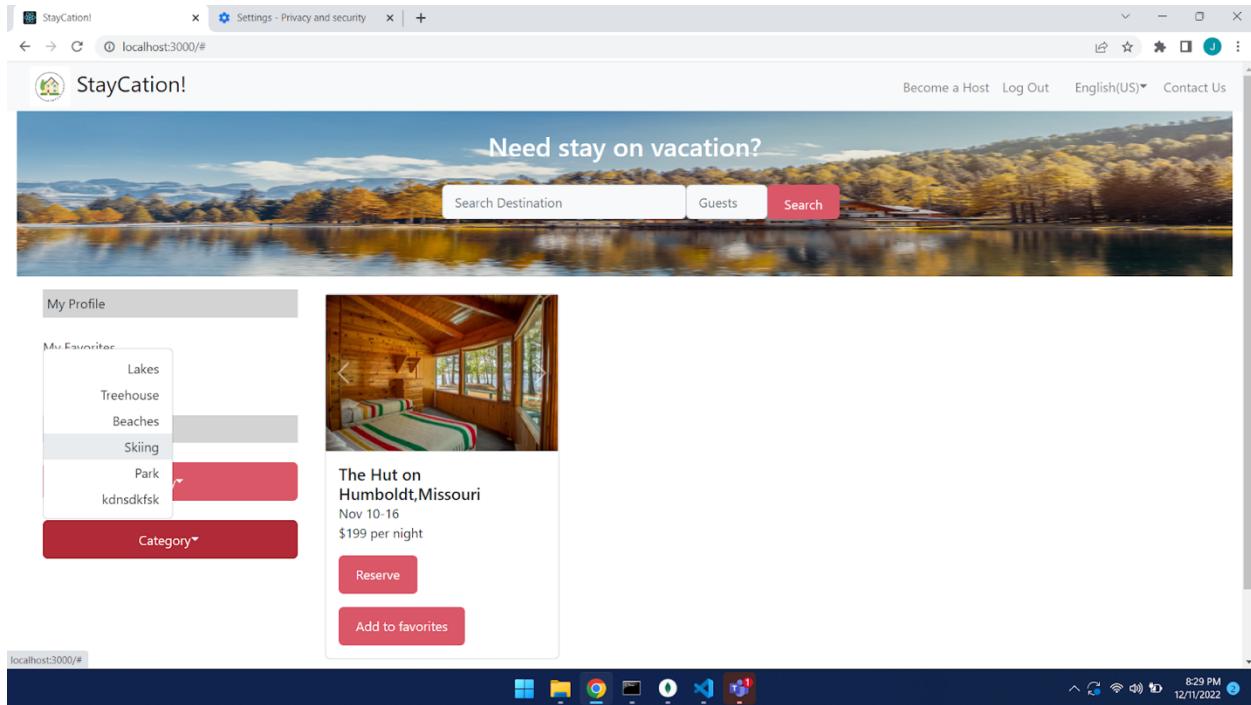
A screenshot of a web browser window titled "StayStation! Settings - Privacy and security". The URL is "localhost:3000/properties/1". The page displays a photograph of a rustic interior with a long wooden dining table, hanging lights, and a stone wall. To the right of the image are several input fields: "Rating : 1", "Check-in: 12/01/2022", "Check-out: 12/01/2022", "Guests: 1", "Price Per Night: \$100", "Cleaning Fee: \$20", "Service Fee: \$10", and a "Reserve" button. Below these fields is a rating scale with five stars and a "Comments:" text area. At the bottom is a "Submit Feedback" button with the message "Thankyou for submitting the feedback" underneath.

8. Filter –

- By city

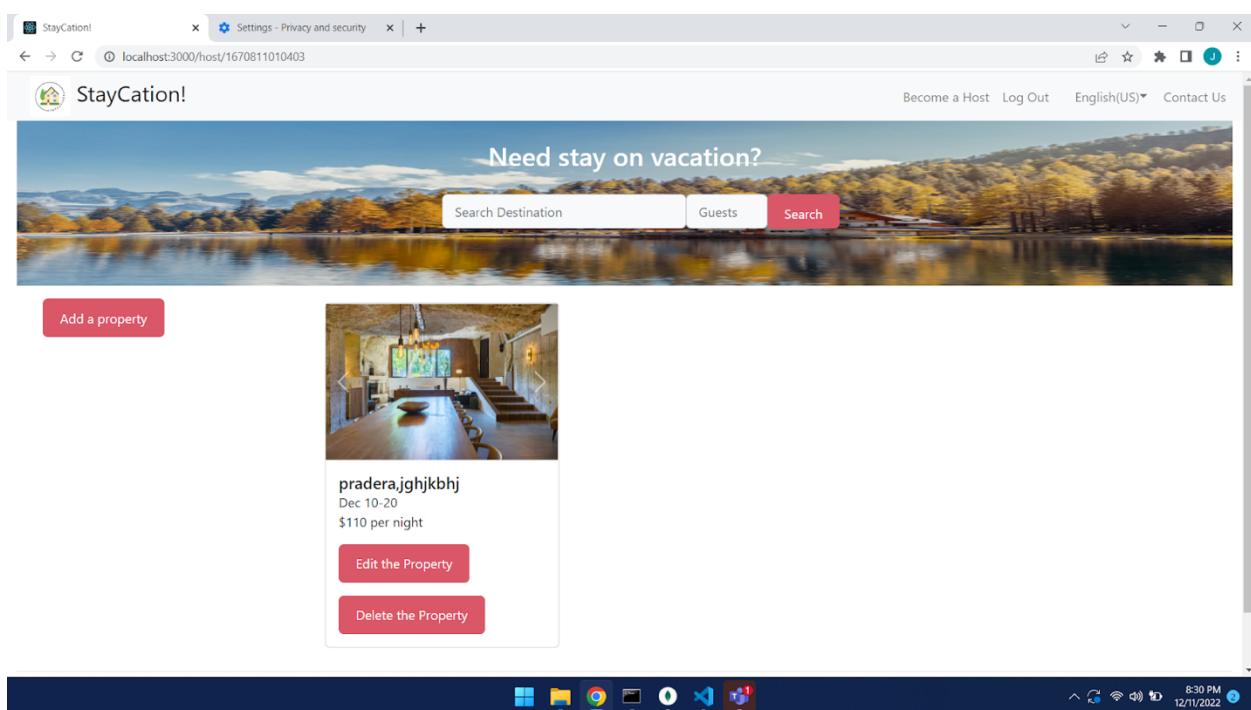
A screenshot of a web browser window titled "localhost:3000/#". The main heading is "Need stay on vacation?". Below it is a search bar with "Search Destination", "Guests", and a "Search" button. On the left, there is a dropdown menu for "City" containing options like San Jose, San Leon, Eureka Springs, Pittsburgh, Broken Bow, Defiance, Richardson, and richardson. Below the dropdown are two red buttons: "City▼" and "Category▼". The main content area shows three property cards: "The lovelyplace,texas" (Dec 12-15, \$120 per night), "Estates of Richardson,Texas" (Dec 15 - 29, \$70 per night), and "the lovely place,texas" (Dec 12-15, \$110 per night). Each card has a "Reserve" and "Add to favorites" button. The footer includes the copyright notice "© 2022 Company, Inc" and social media icons.

- **By Category**



9. Host -

- **Host adding the property to the current page**

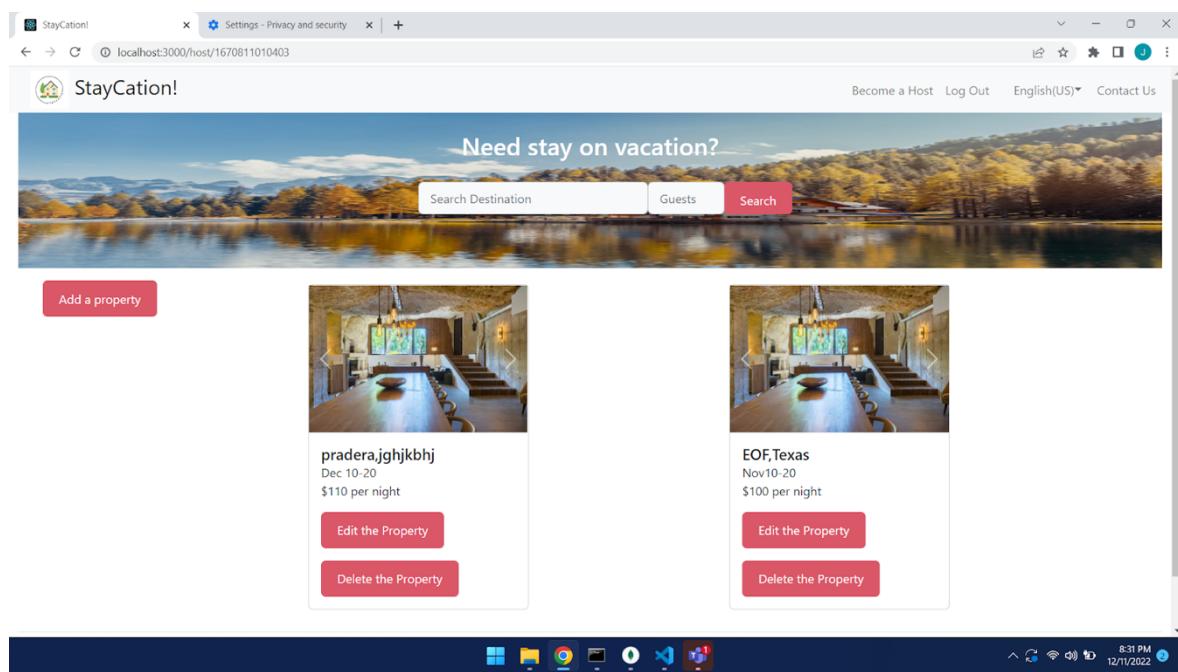


- Add a property

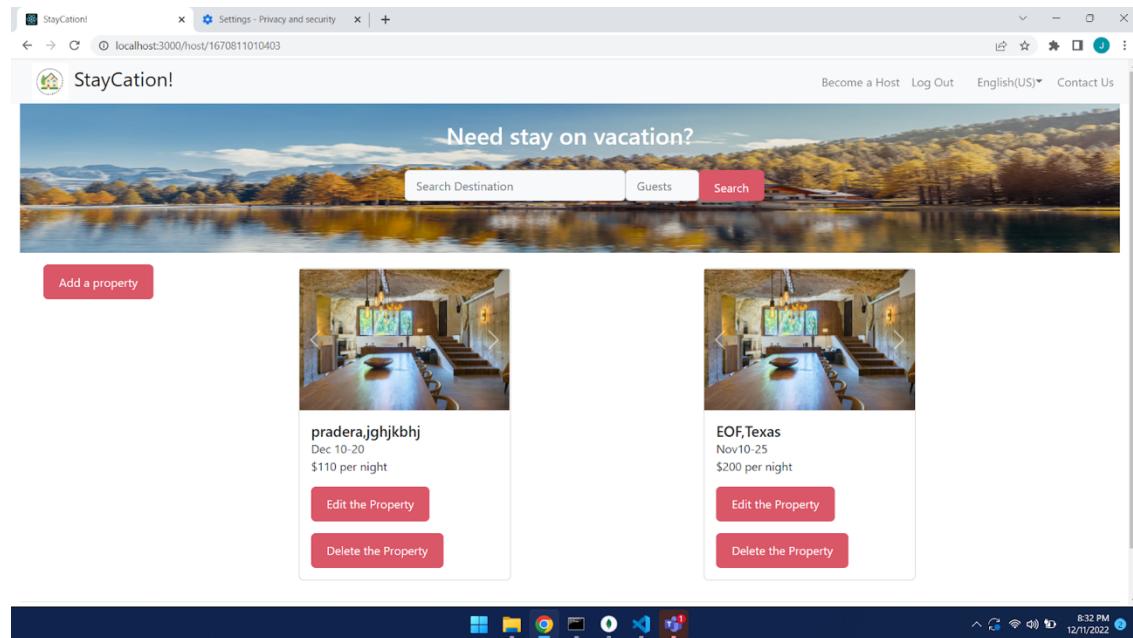
Add Property!!

EOF	Richardson	Texas
lovely place		
100	20	20
9	5	5
Nov10-20	Lakes	WiFi,AC
Available Start Date	11/10/2022	
Available end Date	12/20/2022	
Add Property!!		Cancel

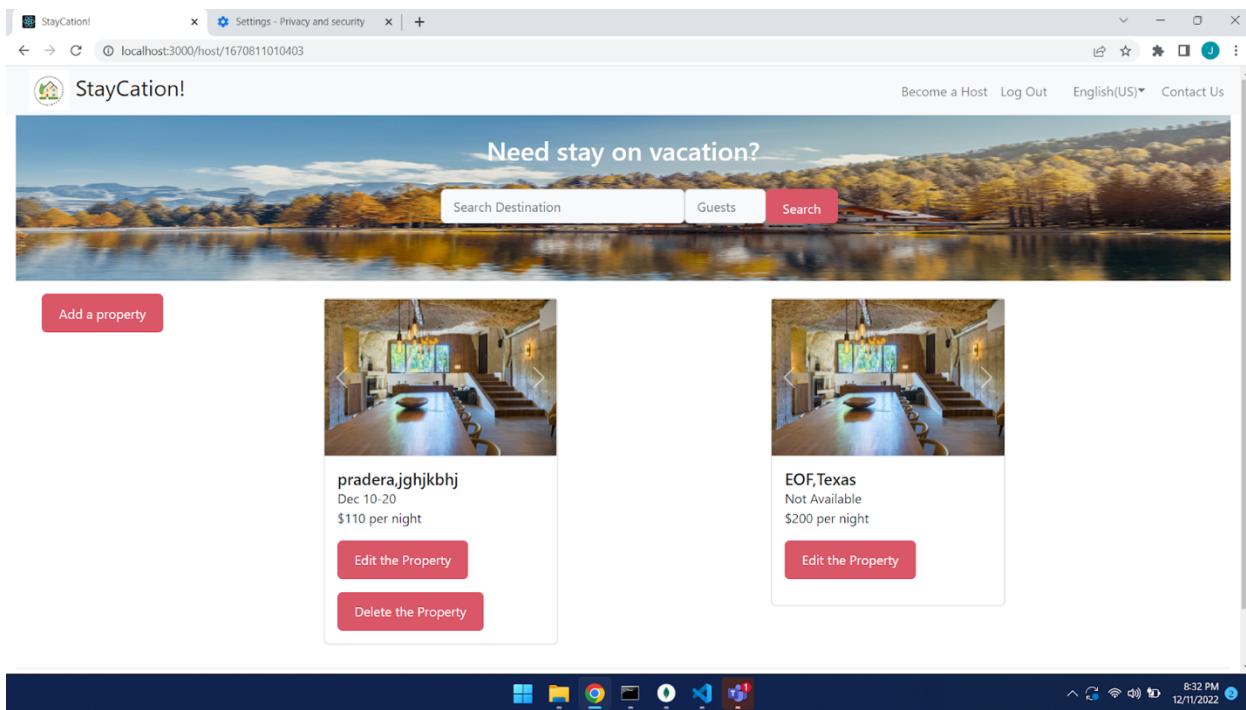
- Property Added



- Existing Property Edited



- Delete Property



- **Team Members -**

1. Jwala Sowmika Chaluvadi - JXC210046 (CS6314-SEC003)
2. Shiva Nandini Reddy Nagilla - SXN210079 (CS6314-SEC003)
3. Sirisha Satish - SXS210095 (CS6314-SEC003)

- **Work Division -**

- Our group members have collaborated equally in every step of the project development which includes - Database Design, Client-side development, and Server-side development.
- We as a group have decided to divide the tasks equally.
- After finishing our tasks individually, we brought our parts together and integrated the project.
- We have collectively made changes and produced our report.

Functionality	Tasks completed by
User signup: Register a new user to the system <ul style="list-style-type: none"> • Form validation: Check if all mandatory fields are filled out • Check if password is strong enough. Define the rules of having a strong password. User passwords should be hashed, and only encrypted version of passwords should be stored in the database Page name: Sign Up Page	Sirisha Satish
User login Page name: Login Page	Sirisha Satish
List all properties in the system. Page name: Home Page	Shiva Nandini Reddy Nagilla
Users will “filter” properties based on a city and/or property type Page name: Home Page	Sirisha Satish
Users will add properties to their favorites list Page name: Home Page	Jwala Sowmika Chaluvadi
Users will access their favorites list	Jwala Sowmika Chaluvadi
Users will remove properties from their favorites list	Jwala Sowmika Chaluvadi

Users will be able to rate a given property	Sirisha Satish
They will enter their feedback/comments as they rate the property Page name: Property Details Page	Shiva Nandini Reddy Nagilla
Users will be able to sign-up for a host account (Become a host) Page name: Host Page	Sirisha Satish
Hosts will add properties to the system	Shiva Nandini Reddy Nagilla
Hosts will update property details (description, amenities, price, cleaning fee etc.)	Shiva Nandini Reddy Nagilla
Hosts will delete properties from the system (soft delete: mark them as unavailable)	Shiva Nandini Reddy Nagilla
Users will make reservations. For making a reservation, availability of the property should be checked Page name: Home Page	Jwala Sowmika Chaluvadi
For users, reservations (both past and future) will be listed along with reservation dates	Jwala Sowmika Chaluvadi
Users will be able to cancel the reservation if it is before 48 hours before reservation date/time	Jwala Sowmika Chaluvadi

- **Project Demo Video Link –**

- <https://utdallas.box.com/s/k823du0molhvmp9y3y2hpl9ml2y2gf5v>