

System Test and Unit Report

Product: Treehouse

Team: The Treehouse Group

Set Up: To run these systems tests, please first follow the instructions below

1. Clone our GitHub repo using the command line instruction
`git clone https://github.com/sukeswan/Treehouse.git`
2. From your command-line interface, switch into the Treehouse directory you just cloned.
3. Run `npm install` from the command line
4. Run the command `npm start`
5. Open your browser and go to the link `localhost:1234`. Your command line should also show this link.
6. All these instructions can also be seen from the Github repo linked [here](#)

User Story 3, Sprint 1: As a user, I want to sign up for an account so I do not have to keep setting my preferences.

Scenario: Sign Up

1. Click the login button in the top right of the navigation bar.
2. Enter an email you would like to sign up with
3. Enter a password you would like to sign up with
4. Click Sign up (will automatically sign up and login immediately)

Scenario: Login In

1. To log in, click the login button in the upper right corner of the navigation bar.
2. Enter your account details to log in (Click login button)
3. To test the login page enter use these already made credentials
 - a. Email: sukeswan@ucsc.edu
 - b. Password: treehouse

User Story 2, Sprint 1: As a landlord, I want to create a profile so that I can list my property.

Scenario: Create a Detailed Landlord account from the homepage

1. Click the login button in the upper right corner of the navigation bar.
2. Either sign up or login using the already listed scenarios above
3. Click the landlord settings button and fill out your landlord information in the displayed form (Make sure to click the submit button at the bottom of the form)
4. Your profile will display on the page

Note: You can choose to not create an account and bypass steps 1 and 2 by clicking the landlord button in the navigation bar. Then proceed with step 3.

User Story 1, Sprint 1: As a renter, I want to create a profile so that I can see properties that match my profile.

Scenario: Create a detailed renter account from the homepage

1. Click the login button in the upper right corner of the navigation bar.
2. Either sign up or login using the already listed scenarios above
3. Click the renter settings button and fill out your renter information in the displayed form

Note: You can choose to not create an account and bypass steps 1 and 2 by clicking the renter button in the navigation bar. Then proceed with step 3.

User Story 1, Sprint 2: As a user, I want to see other profiles to find a match for my preferences.

Scenario: Browse through landlord profiles from the homepage

1. Click the landlord button in the navigation bar and start browsing through the profiles already created

User Story 2, Sprint 2: As a user, I want to chat with other people if I am interested in their profile

Scenario: Chat with users from the homepage

1. Click the chat button in the upper right corner of the navigation bar
2. Click the sign in with google button and please verify your identity
3. Start messaging!
 - a. Either type a message in the test box and click send
 - b. or upload an image using the image icon and click send
4. Click the home button to go back to the homepage

User Story 3, Sprint 2: As a user, I would like to see property pages and their location via google maps.

Scenario: Look at property details, including location

1. Browse through properties on homepage
2. Click the go to property button on any of the listings
3. View the details, including the google map location

User Story 1, Sprint 3: As a renter, I want to see recommendations for me based on my profile which includes rent amount filter and location filter.

Scenario: View personalized results based on filter selections on the homepage

1. Enter a value in the Price from the filter to create a floor for rent prices
2. From the order by filter, choose how you would like the listings to display
3. View your personalized results

User Story 2: Sprint 3: As a renter, I want to see properties on a separate page because it is easier than going through landlord tabs. *No Action needed*

Unit Testing

Surya: Ran builds to ensure everything builds properly. Tested chat feature by adding messages directly into the database and also chatting from separate google user profiles. Messages including images were properly saved in Firebase Database. Tested Login by checking login credentials properly saved to the firebase authentication portal. Tested by building credentials.

Edmond: Ran scenario tests on front end web page to ensure map features render properly, filter features work as according to user input, and detail pages render to show correct information per listing, based on local server information.

Keerthana: Ran builds to ensure Firebase configurations built correctly. Tested renter pages by checking real-time database information and ensuring data are passed to the back end. Also created dummy profiles during testing to ensure data integrity.

Angchen: Ran builds to ensure Firebase configurations built correctly. Tested landlord pages by checking real-time database information and ensuring data are passed to the back end. Also created dummy profiles during testing to ensure data integrity.