

# System and Unit Test Report

**rent.sc**

*housing, made easy*

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## System Test scenarios

### Sprint 1:

User Story 2: As a renter, I want to view the map of listings on a website so that I can start looking for housing.

User Story 3: As a renter, I need to see the landlord associated with the listing.

- The scenario for user stories 2 + 3:
  - Load the website to view the map
    - Map of Santa Cruz area will appear
  - Pins for listings are displayed on the map

User Story 4: As a landlord, I want to be able to post listings.

User Story 5: As a user (landlord and renter), I want to have a profile where all my basic information is displayed for other users to see.

- The scenario for user stories 4 + 5:
  - User Logs in and types:
    - Email address
    - Password must have at least six characters

- Since the user is directed towards the listings page, they will need to click on the navbar and click profile to display basic information
- User should be able to view their basic information as shown

## **Sprint 2:**

User Story 1: As a renter, I need to know the price and size of the house for each listing so that I can browse listings.

User Story 2: As a renter, I want to be able to sort listings by tags, price, etc..

- The scenario for user stories 1 + 2:
  - Load the website
    - The map appears on the right side of the screen
    - List of listings renders on the left side of the screen
    - Pins are loaded from firebase
  - Navigate to left list; Select filter
    - Listings will be sorted depending on the filter chosen
  - Click on pin
    - Info window for listing appears
    - Description, Address, Price, Size, Tags, # of Beds + Baths

User Story 3: As a landlord, I want to be able to add descriptions, prices, and other specifications to my listing.

- The scenario for user story 3:
  - Log in as a landlord
    - Enter username and password
    - Firebase authenticates the user

- Navigate to my listing page on the navbar
  - Listings would be displayed for the specific user
  - Each listing in the firebase would be queried based on the uid

### **Sprint 3**

User Story 1: As a landlord, I need to upload pictures of the property for the listing.

User Story 2: As a landlord, I want to have more options for tags (more filters)

- Scenario: User Stories 1-2
  - Signed in User will go to create listings page
    - Upload Image
    - Fill out the form asking for Address, City, Zip Code, Price per Month, etc.
    - User submits form
  - New Listing should show up on the listings page and my listings page

User Story 3: As a renter, I need to see the landlord associated with the listing.

User Story 4: As a renter, I want to be able to view a listing on the main listing page.

User Story 5: As a renter, I want to be able to review a property and a homeowner.

User Story 6: As a renter, I want to be able to book an appointment based on a listing owner's schedule

User Story 7: As a user, I want to be able to message other homeowners and tenants to ask questions about the property.

- The scenario for user stories 3-7:
  - Login as renter/landlord
    - Enter email and password

- Click on a pin on the map
  - See listing information
  - Click the “view listing” button
- User will be redirected to the listing’s main page
- On the main listings page, the landlord information will be displayed; a button labeled “Schedule an appointment” is rendered
  - Click “Schedule an appointment” to get redirected to the appointments page
- On the appointments page
  - Renters can select a date and the website will alert the renter if the landlord is available or not
  - Landlords can select dates they are available to meet with renters
- After submitting a date, users get redirected to a page to view all their appointments
  - The button labeled “Contact \_\_\_” is shown
  - Clicking on the button redirects you to the messaging page to contact the other user

#### **Sprint 4:**

User Story 1: As a renter, I need to be able to create and schedule appointments on the main listings page.

User Story 2: As a renter, I need to be logged in when trying to contact the landlord, schedule an appointment, or create a listing.

User Story 3: As a renter, I want to be able to message other Homeowners and tenants to ask questions about listings.

- The scenario for user stories 1-3:
  - Login as renter
    - Email, password
  - Click on a listing:
    - On specific listings, renters can schedule appointments with landlords depending on the landlord's availability
    - Only times specified by the landlord can be booked, otherwise, an error message will appear
  - Renters and landlords can message each other through the "Messages" button on the Navigation Bar

User Story 4: As a landlord, I want to be redirected to the main listing page or the user profile page after creating the listing.

User Story 5: As a user, I want a user profile page to view listings and reviews more easily.

User Story 6: As a developer, I need to edit the Main Listings page and the window markers to accommodate custom pictures.

- The scenario for user stories 4-6:
  - As a landlord, on create listing page:
    - Clicking on the create button
    - Redirects to the landlord's user profile
  - On the user profile page:

- The landlord can view his/her listings and reviews for each listing by navigating to my listings
- On the main listing page of a listing
  - All users are able to view images uploaded by the landlord when a listing is created

User Story 7: As a user, I want to be able to view the travel time to the nearest bus stop

- The scenario for user story 7:
  - For all user, on the listing page:
    - Select a pin would display the direction from the selected pin to UCSC
    - Users can select different travel modes(DRIVING, BICYCLE, WALKING, TRANSIT)
    - A travel time would also be displayed