

Release Summary

SafeHouse - Fall 2024

Key User Stories and Acceptance Criteria:

- As a renter, I want to have a sufficient number of listings on my feed so I have many housing choices to look through.
 - Be able to see multiple listings on the rent page
 - Have images associated with listings
 - Have basic features associated with listings (bedroom/bathroom count and sqft)
- As a renter, I want to see the locations of listings on a map so I can narrow down my choices.
 - Display a map with markers for each listing's location
 - Be able to navigate the map through panning and zooming.
- As a renter, I want to be able to apply basic filters to listings so I can narrow down listings based on my preferences.
 - Have a price filter with parameterized min/max bounds
 - Have a room filter to filter through the number of bedrooms and bathrooms.
- As a user, I want to be able to message potential renters/landlords directly so I don't need to worry about external communication mediums.
 - Implement a chat system
 - Have an option to contact the landlord from the listing description page
- As a landlord, I want to be able to post public listings so renters can see it in their feeds.
 - Be able to post listings with specified features (room count, sqft, location)
 - Store listings so they remain until deleted

Known Problems:

- Missing functionality: Collecting listing data from other websites. All listings now are uploaded through our website.
- Missing functionality: Proximity search, square footage filter
- Missing functionality: Listing statistics page is missing functionality. We did not implement any logic with listing statistics.
- Missing functionality: The blue circle indicator on the map does not properly correlate with listings in that radius.
- Missing functionality: Log in/sign up only works with google auth.
- Bug: When navigating through the dashboard, "My listings" shows all listings in the database regardless of user
- Bug: Geolocation only works on listings when the city is included in the street address bar
- Bug: Need to click "save listing" twice to remove listing from bookmarks page

Product Backlog:

- As a renter, I want to be able to look for roommates so I can make better informed decisions based on listing features.

- Implement a user lookup feature and preference filter
- As a renter, I want to be able to filter out scam listings so I can trust the listings I am looking through.
 - Identify scam listings through machine learning algorithms
- As a landlord, I want to be able to see how often my listings are being interacted with so I can gauge user traffic.
 - Implement functionality to count the number of interactions with the listing cards and store them
- As a user, I want automated reminders when new listings are posted/changed and messages are received
 - Investigate automated reminder systems and implement job scheduling
- As a landlord, I want to know that I can trust the renter I am renting out my property to.
 - Implement tenant screening tools for safety measures