USE CASES:

1. User Registers and creates an account

Description: User registers for an account on NoHome

Actors: User

Precondition: When the user wants to rent a place, they will first register

Steps:

Actor action – User will request for registration

System Responses – If customer information is correct then customer is registered and use case ends

Post Condition: Customer is successfully registered

Alternate Path: The customer request is not correct, the system throws an error

Error: User information is incorrect

2. Search on twitter for rentals in Boston

Description: User searches for rentals in Boston

Actors: User

Precondition: The user will search for rentals when they are already registered.

Steps:

Actor action – User will use hashtags like #bostonrentals in the search tab

System Responses – If the customer search is valid they will get all the tweets with the hashtag #bostonrentals

Post Condition: Customer gets all the rentals in Boston with hashtag #bostonrentals

Alternate Path: The Customer request has no results, the system shows an error

Error: Shows no results for the search

3.   Search on twitter with a specific price range

Description: User searches for rentals with a specific price range in Boston

Actors: User

Precondition: The user will search for rentals with specific price range in Boston, only once they login to their twitter account

Steps:

Actor action – User will use twitter and look for rentals in their budget in the search tab

System Responses – If the customer search is valid they will get all the tweets with the hashtag #bostonrentals

Post Condition: Customer gets all the rentals in Boston with hashtag #bostonrentals

Alternate Path: The Customer request has no results, the system shows an error

Error: Shows no results for the search

4.   Search on twitter with a specific house type

Description: User searches for rentals with a specific house type in Boston

Actors: User

Precondition: Once the user logs into their account they will be able to search for rentals with their specific house type in Boston

Steps:

Actor action – User will input their preferences of house type(eg.apartment, home, studio) in thee search tab

System Responses –

Post Condition:The user will get all the results with the specified condition

Alternate Path:No results are found and the system will ask them to search again

Error:Show no results for the search

5. **Search on twitter with a specific area of preference**

Description: User searches for rentals with their preferred vicinity in Boston

Actors:User

Precondition: Once the user logs into their account they will be able to search for rentals with their specific areas in Boston

Steps:

Actor action – User will input their area preference and the search tab

System Responses –

Post Condition: The user will get all the results with the specified condition

Alternate Path: No results are found and the system will ask them to search again

Error: Show no results

6. **User is redirected to their specific URL through twitter**

Description: User clicks on the URL mentioned in the tweet and they will be re-directed to apartments site where

Actors: User

Precondition: User will first have to login to their twitter account then they will click on the URL and they will be directed to the site

Steps:

Actor action – User will view the tweet and click on the URL mentioned in the tweet

System Responses –

Post Condition: The user will be successfully be redirected to the site

Alternate Path: The user will not be redirected to the right page

Error: 404 Page not found

7. User will be able to book an appointment for viewing the flat through the URL

Description: Once the user is redirected to the site they will be able to book a viewing appointment through their site

Actors:User

Precondition: User will first have to click on the link through the tweet after logging into their twitter account

Steps:

Actor action – User will book an appointment for viewing from the link

System Responses –

Post Condition:The viewing appointment will be booked suitable to the user's time

Alternate Path: The appointment will fail to book or no appointments available

Error: No appointments booked

8. Look for reviews for a place previously rented by a different user

Description: The user will be able to view the reviews of people who have previously rented the place

Actors:User

Precondition:The user will have to log into their account and then view the reviews under the tweet

Steps:

Actor action – The user will have to check the tweets which have the reviews

System Responses –

Post Condition:The user will be able to read all reviews under the tweet

Alternate Path: No reviews for the rental

Error: No results found

9. **Search on twitter for a house having certain set of amenities**

Description: The user will be able to search for specific amenities according to the user's requirements

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action –The user will be able to search in the search tab the amenities that fit their requirements

System Responses –

Post Condition: The user will be get all the search results that fir their conditions

Alternate Path: The search results won't be found

Error: No search for the user's conditions

10. **Search on twitter for a rental with a certain lease requirements**

Description: The user will be able to search for lease criteria according to the users requirements

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the lease requirements that the user wants

System Responses –

Post Condition: The search result will be displayed

Alternate Path: No results for the specified requirements

Error:No searches found

11. Search for a rental with specific building amenities

Description: The user will be able to search for specific amenities in the building according to the user's requirements

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the amenities that fit their requirements

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found

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12. Search for a rental with universities around them

Description:The user will be able to search for universities around the rental vicinity

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the universities around the vicinity

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found

13. Look for how many days the listing has been posted

Description: The user will be able to see since how many days the listing has been posted

Actors: User

Precondition: The user will have to log into their twitter account and then see since how many days the listing has been posted

Steps:

Actor action – The user will be able to see the time since the listing has been posted

System Responses –

Post Condition: The time since posted will be displayed

Alternate Path: No timeline mentioned

Error: No listings found

14. Look for a rental with public transport near them

Description: The user will be able to search for public transport around the rental vicinity

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the public transport around the vicinity

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found

15. Look for a apartment types of the rental

Description: User searches for rentals with a specific apartment type(studio,1bhk,2bhk, 3bhk etc) in Boston

Actors: User

Precondition: Once the user logs into their account they will be able to search for rentals with their specific apartment type in Boston

Steps:

Actor action – User will input their preferences of apartment type(studio,1bhk,2bhk, 3bhk etc) in thee search tab

System Responses –

Post Condition:The user will get all the results with the specified condition

Alternate Path:No results are found and the system will ask them to search again

Error:Show no results for the search

16. Look for rental closer to the grocery stores

Description:The user will be able to search for grocery stores around the rental vicinity

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the grocery stores around the vicinity

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found

17. Look for a rental that has the closest medical centers

Description: The user will be able to search for the medical centers closest to the rental vicinity

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the medical centers closest to the the vicinity

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found

18.Look for rental with extra amenities like fireplace, balcony

Description: The user will be able to search for specific amenities in the rental (fireplace, balcony etc) according to the user's requirements

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the amenities that fit their requirements

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found

19.Security type for the rental unit

Description: The user will be able to search for the security type (key, tap etc) for the rental

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the security requirements that fit their requirements

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies security type

Error:No searched found

20.Look for a rental closer to the airport

Description:The user will be able to search for the airport closest to the rental vicinity

Actors: User

Precondition: The user will have to log into their twitter account and then search for their requirements

Steps:

Actor action – The user will be able to search in the search tab the airport closest to the the vicinity

System Responses –

Post Condition: The search results will be found

Alternate Path: No results for the specifies requirements

Error:No searched found