

Use Cases for Your Rental Buddy Twitter Scrapping:

Use Case 1: Register/log in for an account in Your Rental Buddy Application

Description: The user registers/logs in for an account in the Your Rental Buddy application.

Actor: User

Precondition: When a user wants to look for rental houses using our application, he will first have to register/login to his existing account.

Steps:

Actor action: The user enters his/her information and registers/logs in to the application.

System Responses: The system validates the user information, if found correct, it registers/logs the user into the system.

Post Condition: Customer successfully registered/logged in.

Alternate Path: If the system is not successful in validating the information, it throws an error.

Error: User information is incorrect, registration/login unsuccessful.

Use Case 2: Get information regarding housing options on the basis of locality in the application

Description: When the user searches for living accommodation, the Twitter bot displays a list of relevant tweets for the search as per the associated filter(s).

Actor: User

Precondition: User must have a unique Twitter handle to look for tweets.

Steps:

Actor action: The user searches for accommodation using hashtags, keywords and handles.

System Responses: The system provides the user with all the tweets that mention accommodation on the basis of locality made by other Twitter users.

Post Condition: Customer gets the information for the accommodation relative to the filters he/she used.

Use Case 3: View housing options that talk about affordable housing options.

Description: The user can view the tweets that mention housing options according to budget.

Actor: User

Precondition: The User must have a unique Twitter handle to look for tweets.

Steps:

Actor action: The user searches for tweets using budget hashtags, keywords, and handles.

System Responses: Tweets mentioning accommodations per the user's budget are displayed to the user.

Post Condition: The system displays the list of houses for the given condition.

Use Case 4: Acquire people's views on public transportation in a particular city/locality.

Description: The user can get a public opinion of the transportation facilities for the accommodation he wants to choose.

Actor: User

Precondition: The user should mention particular transports and location hashtags.

Steps:

Actor action: The user searches for tweets using transport hashtags, keywords, and handles.

System Responses: Tweets mentioning transportation and their experiences.

Post Condition: The system displays the tweets made by people regarding transportation garnering overall public sentiment about specific transportation.

Use Case 5: The user looks for the top property management agencies.

Description: The user searches for the best property management agencies based on tweets.

Actor: User

Precondition: The user should mention the property management hashtags and keywords.

Steps:

Actor action: The user searches for tweets using the property management agency's hashtags and keywords.

System Responses: The system displays the tweets made by people regarding management agencies citing their experiences.

Use Case 6: The user wants to support Social Issues related to accommodation.

Description: The user wants to make himself/herself aware of the social movements associated with finding accommodation.

Actor: User

Precondition: The user should mention the correct hashtags and keywords regarding the current social issues.

Steps:

Actor action: The user searches for tweets using hashtags and keywords regarding to accommodation.

System Responses: The system displays tweets mentioning social movements regarding accommodation.

Use Case 7: The user wants to know if the locality has places for entertainment

Description: The user wants to know if the locality has clubs, gardens, museums, and theaters.

Actor: User

Precondition: The user should mention the hashtags for the type of entertainment place and keywords regarding the locality/city he's looking for.

Steps:

Actor action: The user searches for tweets with hashtags and keywords of entertainment places and keywords regarding the locality/city he's looking for.

System Responses: The system displays tweets mentioning places of entertainment in a specific city.

Use Case 8: The user wants to know the safety quotient of the city/locality.

Description: The user wants to know about the crimes/kind of crimes that took place in the city/locality.

Actor: User

Precondition: The user should mention the hashtags and mentions for crimes and keywords regarding the locality/city he's looking for.

Steps:

Actor action: The user searches for tweets with crime hashtags and keywords regarding the locality/city he's looking for.

System Responses: The system displays tweets mentioning crimes that happened in a specific city.

Use Case 9: The user wants to find the best universities/colleges in a specific city.

Description: The user wants to learn about universities and colleges in a specific city and read about student experiences about the same.

Actor: User

Precondition: The user should mention the hashtags and keywords for the universities and colleges he is looking for.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for the universities and colleges he is looking for.

System Responses: The system displays tweets mentioning the universities and colleges based on the user's preferences.

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Use Case 10: The user wants to look for the best grocery stores in a particular locality/city.

Description: The user searches the grocery stores nearby his accommodation and looks for the grocery stores with the highest ratings.

Actor: User

Precondition: The user should mention the hashtags and keywords for the grocery stores and cities.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for the grocery stores in a particular place.

System Responses: The system displays tweets mentioning the grocery stores at a particular place.

Use Case 11: The user wants to find the best-rated Hospital/Pharmacy in a city/locality.

Description: The user searches for the pharmacies and hospitals nearby his accommodation and finds the best-rated Hospital/Pharmacy based on mass opinion.

Actor: User

Precondition: The user should mention the hashtags and keywords for the hospitals and pharmacies and cities/localities.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for hospitals and pharmacies along with correct mentions.

System Responses: The system displays tweets mentioning the hospitals and pharmacies citing people's experiences.

Use Case 12: The user wants to know about popular restaurants in a city/locality.

Description: The user searches for well-known restaurants in a particular city/locality based on public opinion.

Actor: User

Precondition: The user should mention the hashtags and keywords for the popular restaurants in a particular city/locality.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for popular restaurants in a particular city/locality.

System Responses: The system displays tweets mentioning the popular restaurants in a particular city/locality based on people's experiences.

Use Case 13: The user wants to know about the availability of jobs in a particular city.

Description: The user searches for his preferred jobs (like Software Testing, Software Developer, Product Manager, etc.) in a particular city.

Actor: User

Precondition: The user should mention the hashtags and keywords for the type of job, new openings, and companies.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for the type of job, new openings, and companies.

System Responses: The system displays tweets mentioning the jobs preferred by the user.

Use Case 14: User searches for sports in a city.

Description: The user wants to know if his favorite sport is played in the city and all the available information regarding the same.

Actor: User

Precondition: The user should mention the hashtags and keywords for the type of job, new openings, and companies.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for the type of sport he plays along with the city name.

System Responses: The system displays tweets containing all the information about the sport user searched for.

Use Case 15: The user searches for weather conditions in a city.

Description: The user wants to know the weather conditions in a particular city.

Actor: User

Precondition: The user should mention the hashtags and keywords for the weather conditions and city names along with weather forecasting mentions.

Steps:

Actor action: The user searches for tweets with hashtags and keywords for the weather conditions and city names along with weather forecasting mentions.

System Responses: The system displays tweets containing all the information about weather conditions in a particular city.