Twitter Clone Software Requirements
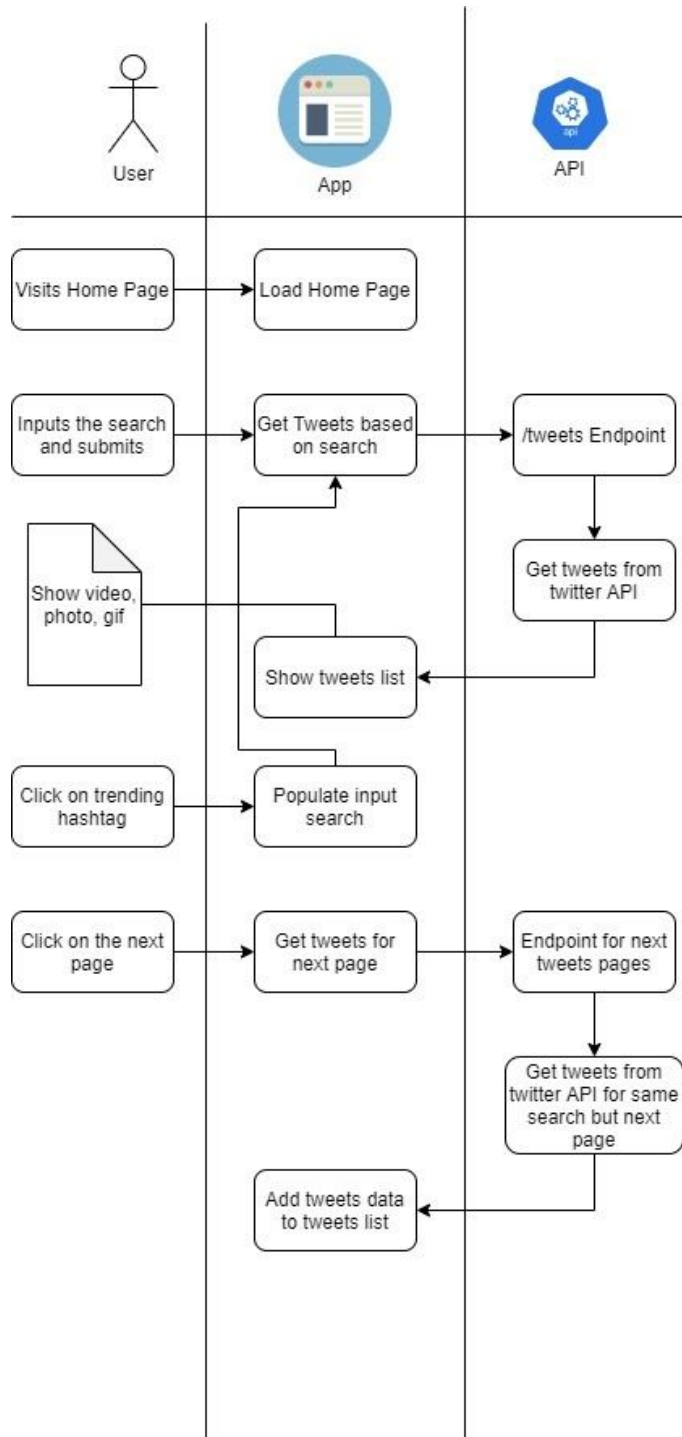
Goals

Create a twitter clone to let users search for tweets and view them.

User Stories

1. As a user, I want to be able to input my search so that I can search for tweets.
2. As a user, I want to be able to see the tweets I searched for so that I can view them.
3. As a user, I want to be able to view the text, photo, gifs or video of the tweet so that I can view all of the contents of the tweet.
4. As a user, I want to see the trending hashtags currently on twitter so that I can later use them to search for tweets.
5. As a user, I want to click on the trending hashtag so that I can see the tweets for that hashtag.
6. As a user, I want to click the next page so that I can see the next page of the tweets.

Flow Diagram(Swimlane)

Business Requirements

1. Pages
    a. Home Page
2. Home Page
    a. Allow a user to type in and search for tweets based on what they type
    b. Show the list of tweets based on search
        i. Show text
        ii. Show images if available
        iii. Show video if available
        iv. Show gif if available
        v. Show how long ago this tweet was created
        vi. Show the user's full name who created the tweet
        vii. Show the profile of the user who created the tweet
        viii. Show the twitter handle of the user who created the tweet
    c. Show 10 tweets only at start
    d. Allow a user to get the next 10 tweets or the next page of the tweets
    e. Show trending hashtag in a list
    f. Allow a user to click on the trending hashtag and search for it
    g. Show the profile Photo of the person using the app

3.

Technical Requirements

- Create a Developer Account for Twitter
- Make sure to only show the next page link when there are results for next page
    - Use the attribute "next_results"
- Use moment.js for showing the date of the tweet from the current date
- Use the documentation here for getting Search Tweets
- API Endpoints
    - Twitter API
        - URL: https://api.twitter.com/1.1/search/tweets.json
        - Params:
            - q: query

- count: for counts of tweets
- Headers:
    - Authorization
        - Bearer <token>
- Return
    - 'Statuses'
    - 'search_metadata'