TWEET SITE

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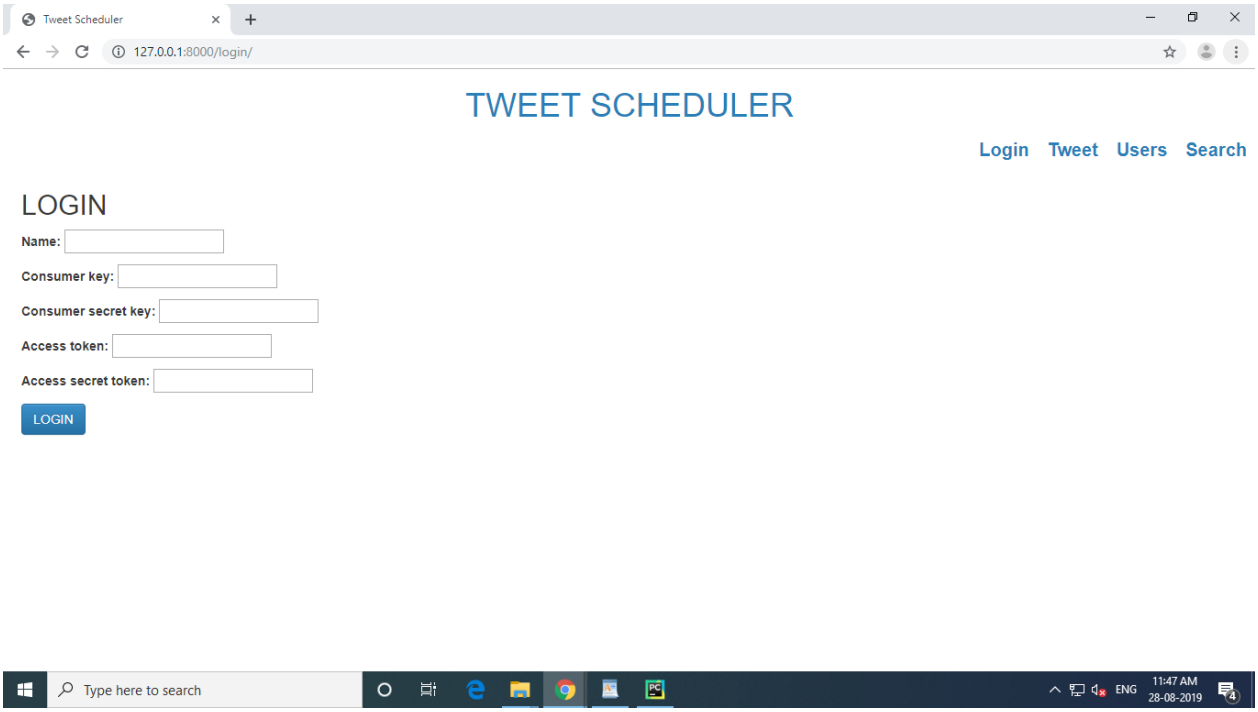
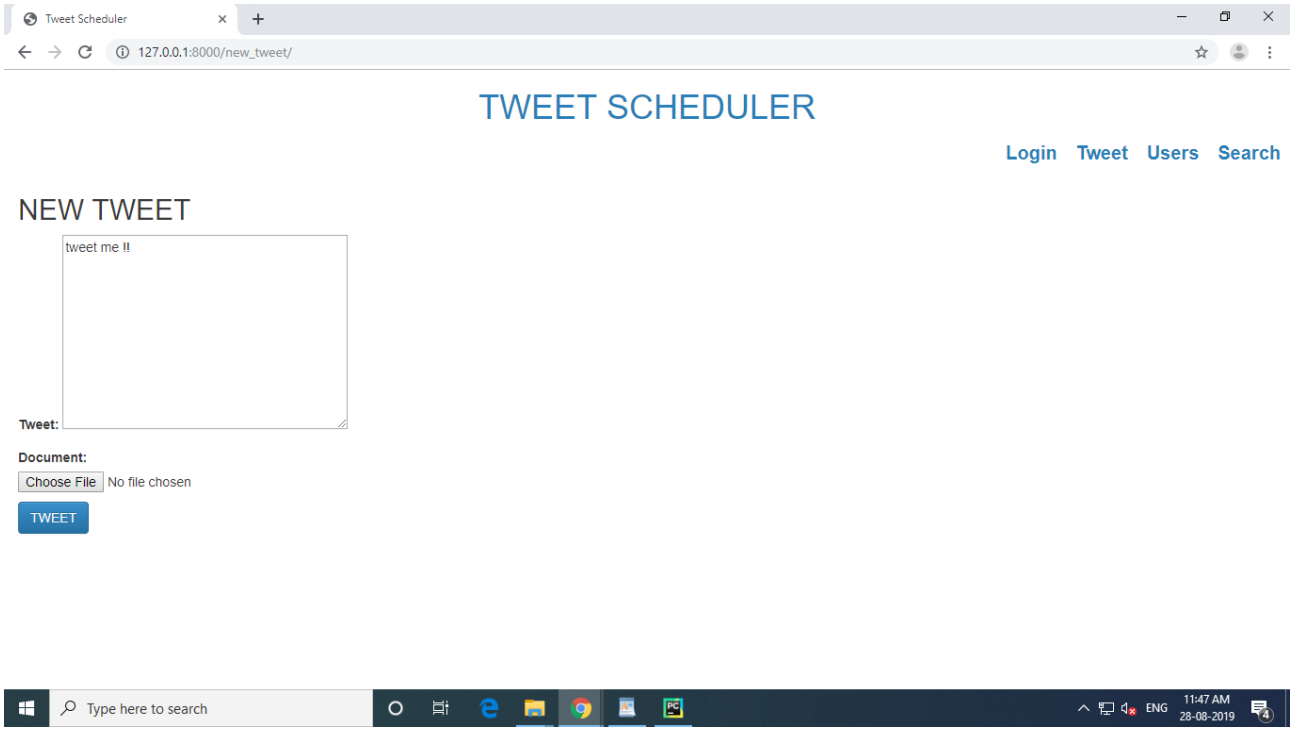
1. PRODUCT FEATURES

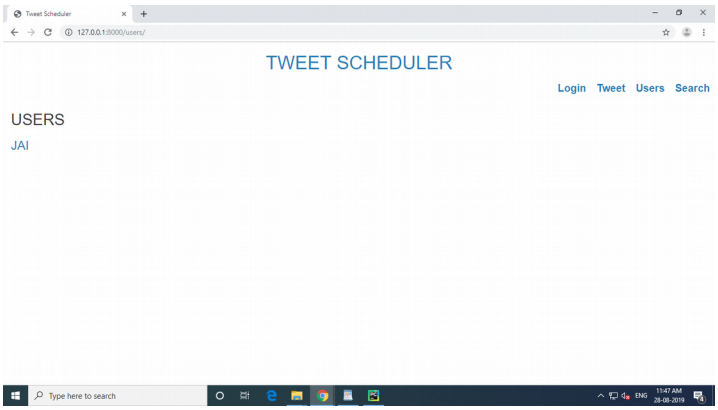
--> LOGIN : Product allows to login with dev twitter account credentials that are consumer key, consumer secret key, access key , access secret key .

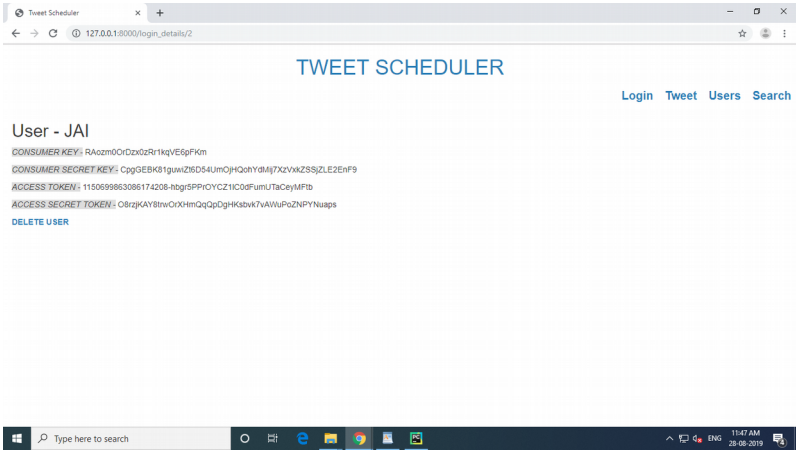


--> TWEET : It allows the logged user to Tweet.

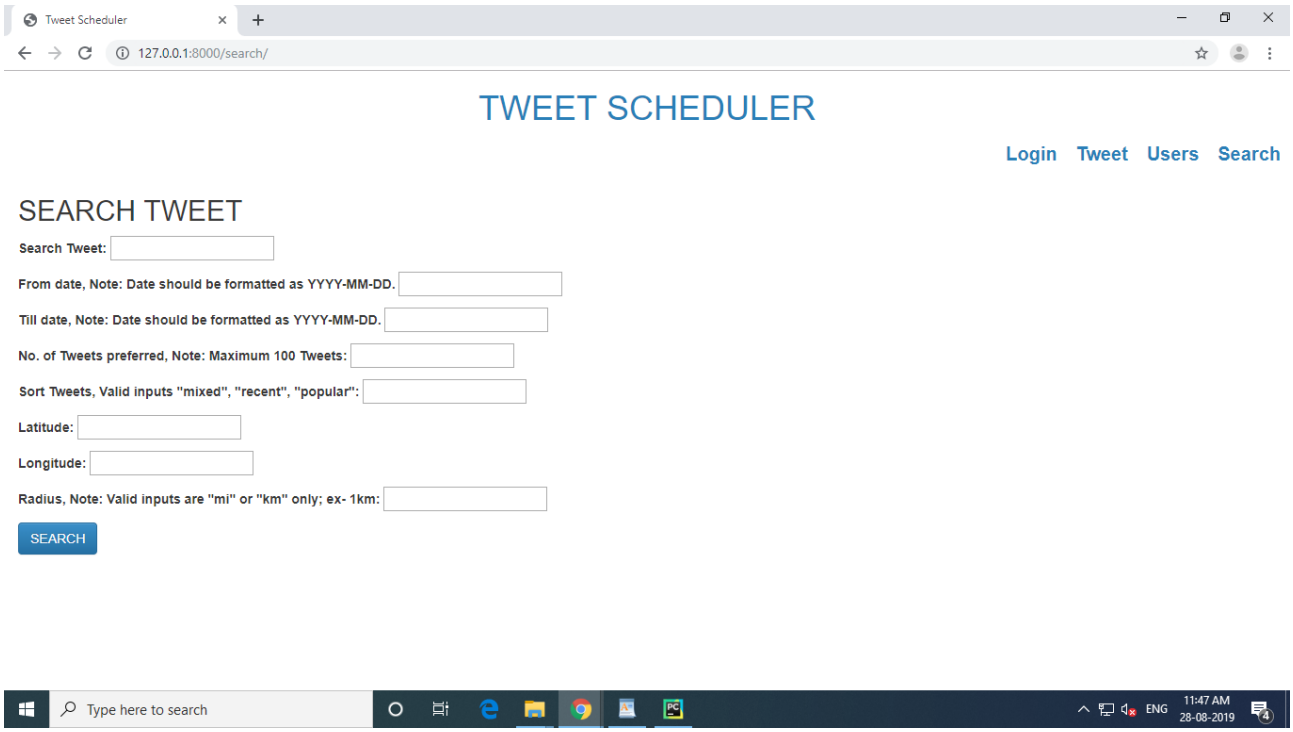


--> USERS : Gives the list of users currently logged in. When clicked on the name of the user it allows us to see its details and delete the user as well.





--> SEARCH : Product allows the user to search for tweets, hashtags, keywords with following parameters listed in the picture below.

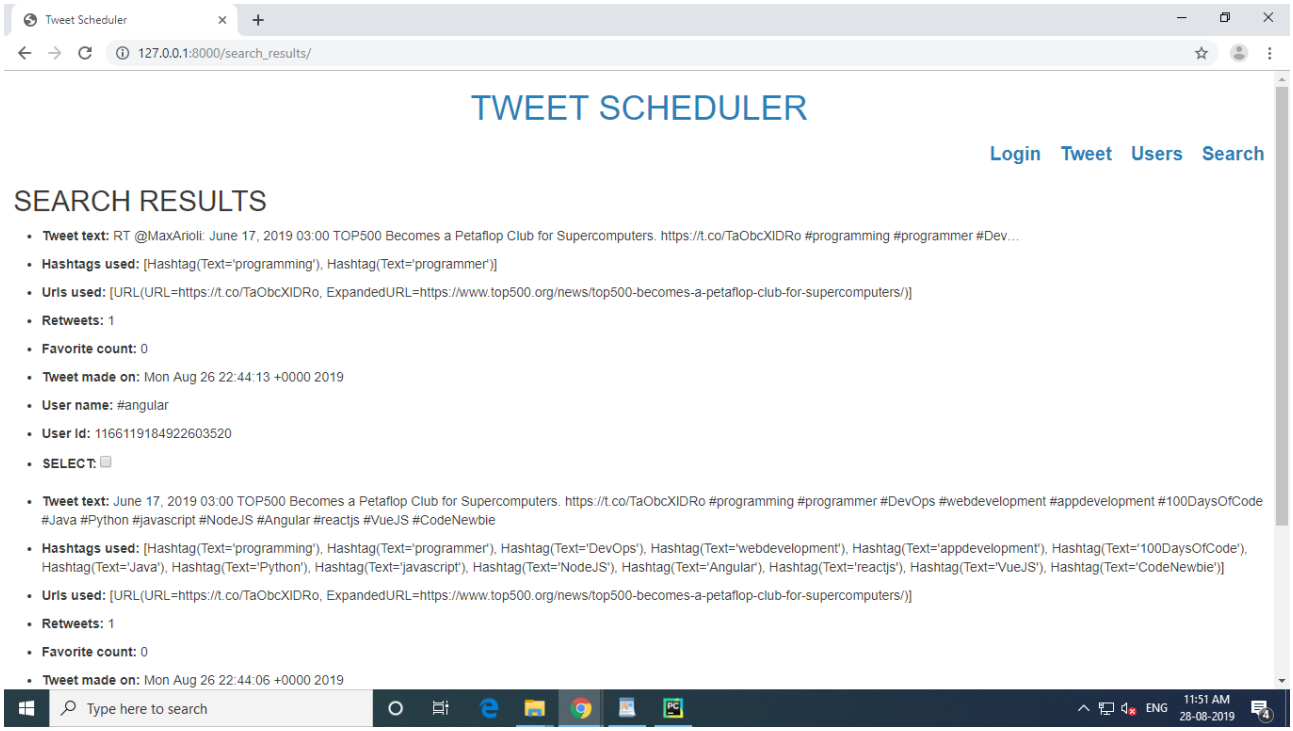


--> SEARCH RESULTS : Once search is made it displays the search results according to the number of results user wants.

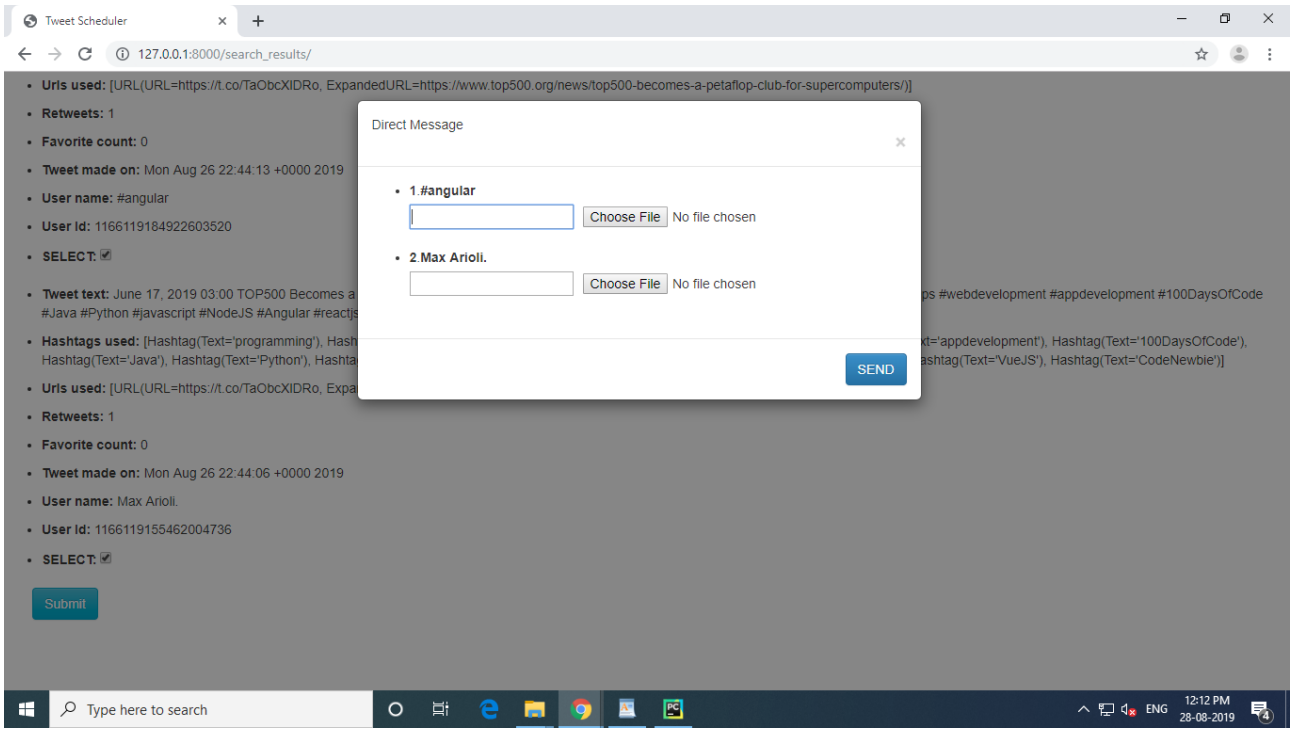
The search results contain the following

* Tweet Text
* Hashtags Used
* Urls Used
* Retweet
* Favorite count
* Tweet made on
* User Name
* User Id
* SELECT option

--> SELECT SEARCH RESULTS : Specific tweets can be selected and targeted with this functionality.



--> DIRECT MESSAGE : Once user selects the particular tweets from the search result, then he is able to send direct messages to the specific list of Twitter users.



2. PROGRAMMING LANGUAGES USED

2.1) Python

    2.1.1) Django

2.2) Html

2.3) Css

2.4) JavaScript

    2.4.1) Jquery

    2.4.2) AJAX

3. DATABASE USED

3.1) MySQL

4. CHALLENGES & SOLUTIONS

Many challenges were encountered during the development phase, some of the challenges are its solution are listed below:-

4.1) *Fetching the parameters from the request* - Query string was used to solve this problem and was done with the help of Django Docs from the internet.

4.2) *Binding the User Id according to the check boxes* - Jquery came to rescue in this situation and it was done on the front-end itself.

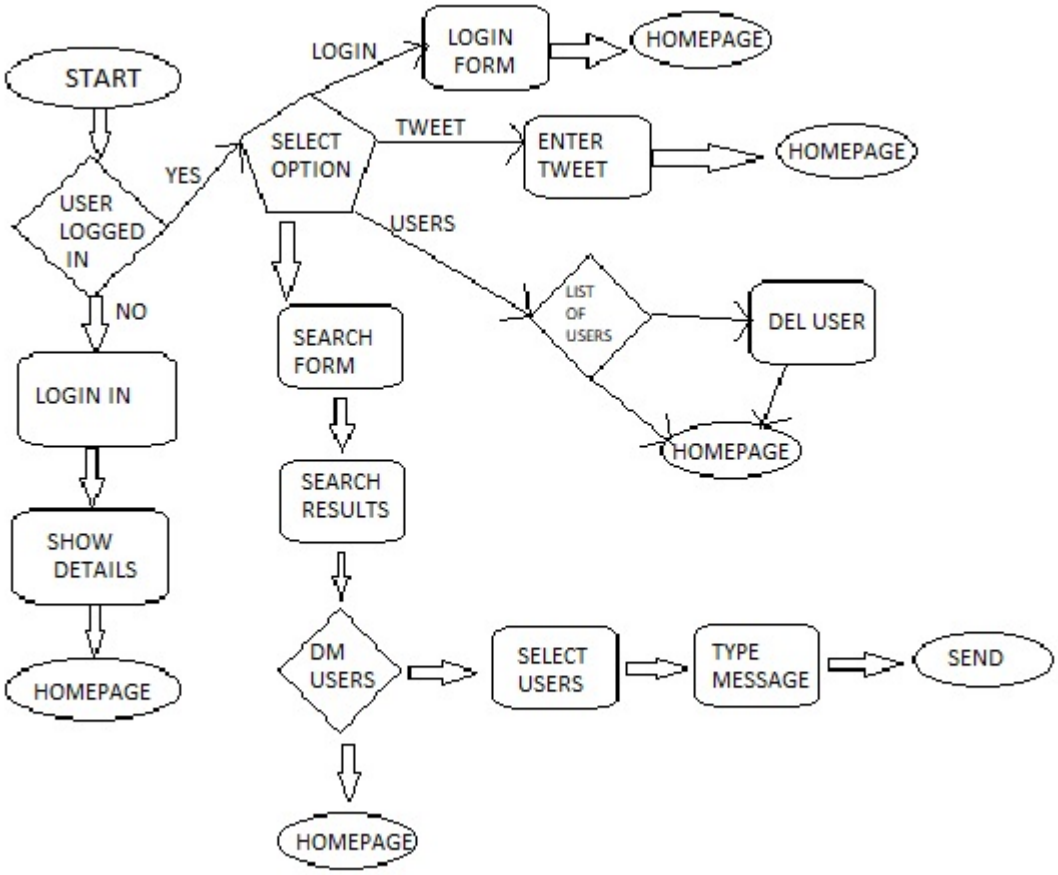
4.3) *Getting the User Id array from the front-end* - AJAX was used to post the data from the front-end to the back-end.

5. LEARNINGS

Technical Learnings - Django, Jquery, AJAX, MySQL

Non-Technical Learnings - Design Product Life cycle, Product Development approach

6.VISUAL PROJECT FLOW



7. RECOMMENDATIONS

- The Product will be more effective if twitter developer account dependency is removed.
- Geolocation search function of the twitter API works properly.
- Buying Twitter API Business version to get complete access to the twitter database

8. OTHER WORK

- Socket basics – How to create socket and use socket between two end systems
- API – Learned how to develop an API for any Project using Python & Django