

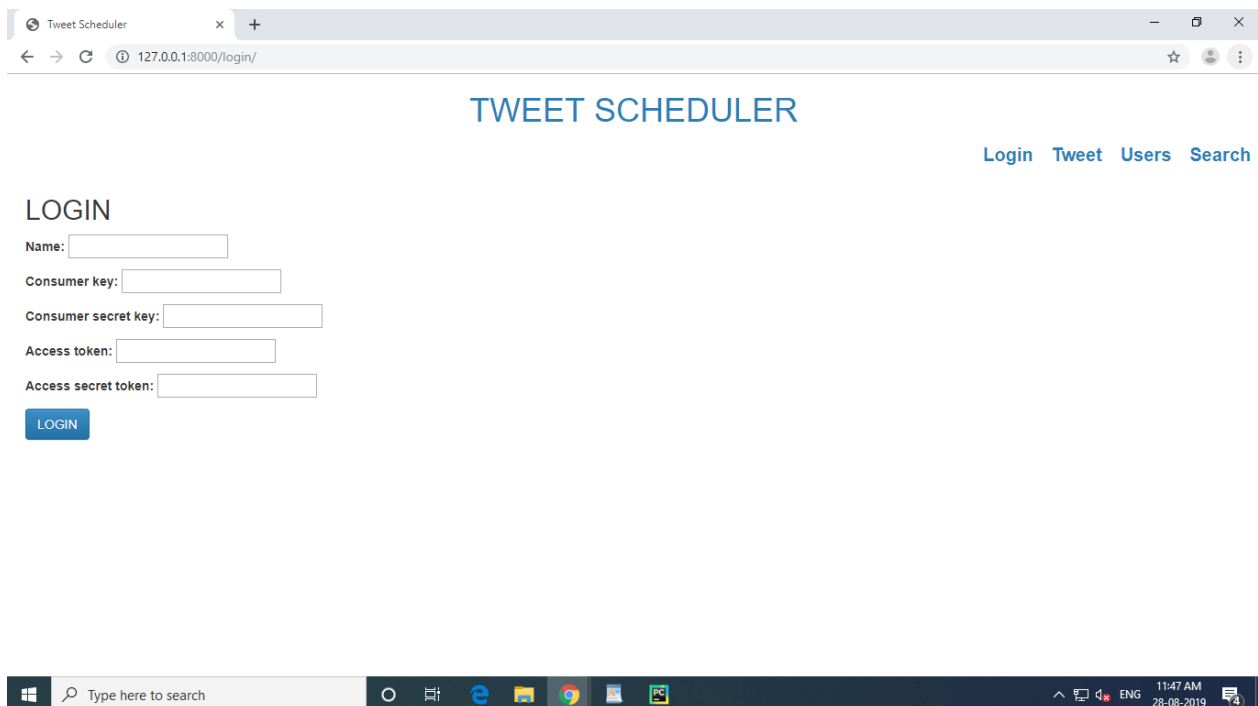
# TWEET SITE

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( INTERN )

Date: 28-08-2019

## 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 .



The screenshot shows a web browser window with the title 'Tweet Scheduler'. The address bar displays '127.0.0.1:8000/login/'. The page content includes the title 'TWEET SCHEDULER' in blue, followed by navigation links 'Login', 'Tweet', 'Users', and 'Search'. Below this is a 'LOGIN' section with five input fields: 'Name:', 'Consumer key:', 'Consumer secret key:', 'Access token:', and 'Access secret token:'. A blue 'LOGIN' button is positioned at the bottom of the form. The Windows taskbar at the bottom shows the search bar, task view icon, and several application icons (Edge, File Explorer, Chrome, etc.). The system tray on the right indicates the time as 11:47 AM on 28-08-2019.

Tweet Scheduler

← → ↻ 127.0.0.1:8000/login/ ☆ 👤 ⋮

## TWEET SCHEDULER

[Login](#) [Tweet](#) [Users](#) [Search](#)

### LOGIN

Name:

Consumer key:

Consumer secret key:

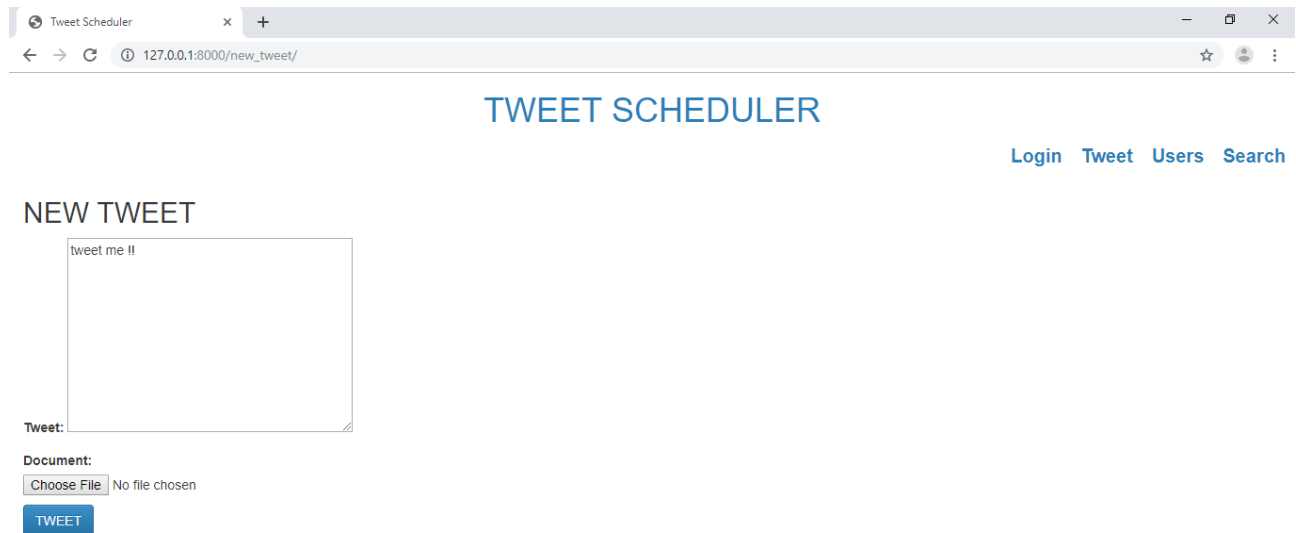
Access token:

Access secret token:

Type here to search

11:47 AM  
28-08-2019

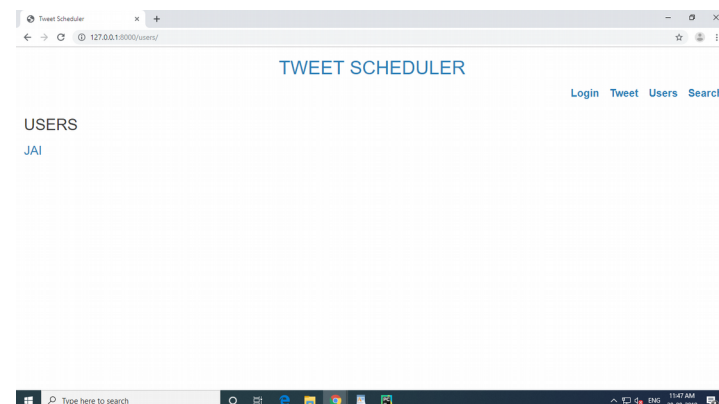
--> **TWEET** : It allows the logged user to Tweet.



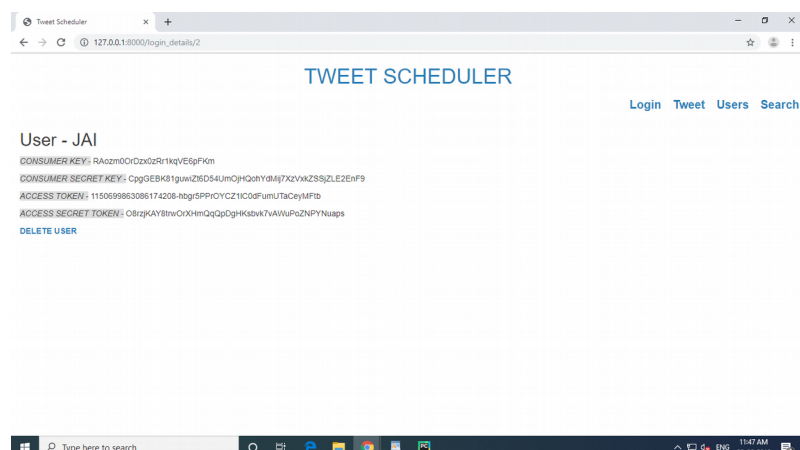
The screenshot shows a web browser window with the title 'Tweet Scheduler' and the URL '127.0.0.1:8000/new\_tweet/'. The page has a header with the title 'TWEET SCHEDULER' and navigation links 'Login', 'Tweet', 'Users', and 'Search'. The main content area is titled 'NEW TWEET' and contains a text input field with the placeholder text 'tweet me !!'. Below the input field is a 'Tweet:' label. Underneath is a 'Document:' section with a 'Choose File' button and the text 'No file chosen'. At the bottom of the form is a blue 'TWEET' button.



--> **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.



The screenshot shows a web browser window with the title 'Tweet Scheduler' and the URL '127.0.0.1:8000/users/'. The page has a header with the title 'TWEET SCHEDULER' and navigation links 'Login', 'Tweet', 'Users', and 'Search'. The main content area is titled 'USERS' and displays a list of users. The first user listed is 'JAI'.



The screenshot shows a web browser window with the title 'Tweet Scheduler' and the URL '127.0.0.1:8000/login\_details/2'. The page has a header with the title 'TWEET SCHEDULER' and navigation links 'Login', 'Tweet', 'Users', and 'Search'. The main content area is titled 'User - JAI' and displays the following details:

- CONSUMER KEY: Raazm0r0z0p0r1kqVE6gFKm
- CONSUMER SECRET KEY: CpgSEBk31guwIZ6D54Um0H0qYdMj7XzVxZSSjLE2EnF9
- ACCESS TOKEN: 1150699863086174208-nbg5PPhOYCZ1N0dFumUTaCeyJfMb
- ACCESS SECRET TOKEN: C8rzgAY8bnvOrXh-mQqDgHkQbvK7VAHwPaZNPYNuaps

Below the details is a blue 'DELETE USER' button.

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

The screenshot shows a web browser window with the title 'Tweet Scheduler' and the URL '127.0.0.1:8000/search/'. The page has a blue header with the title 'TWEET SCHEDULER' and navigation links 'Login', 'Tweet', 'Users', and 'Search'. The main content area is titled 'SEARCH TWEET' and contains several input fields with labels and notes:

- Search Tweet:**
- From date, Note: Date should be formatted as YYYY-MM-DD.**
- Till date, Note: Date should be formatted as YYYY-MM-DD.**
- No. of Tweets preferred, Note: Maximum 100 Tweets:**
- Sort Tweets, Valid inputs "mixed", "recent", "popular":**
- Latitude:**
- Longitude:**
- Radius, Note: Valid inputs are "mi" or "km" only; ex- 1km:**

A blue 'SEARCH' button is located at the bottom of the form.

The Windows taskbar at the bottom shows the search bar with the text 'Type here to search', several application icons (Edge, File Explorer, Chrome, etc.), and the system clock displaying '11:47 AM 28-08-2019'.

--> **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.

The screenshot shows a web browser window with the URL `127.0.0.1:8000/search_results/`. The page title is "TWEET SCHEDULER". In the top right corner, there are links for "Login", "Tweet", "Users", and "Search". The main section is titled "SEARCH RESULTS". It displays two search results for a tweet. The first result is a retweet by @MaxArioli from June 17, 2019, at 03:00. The tweet text is "RT @MaxArioli: June 17, 2019 03:00 TOP500 Becomes a Petaflop Club for Supercomputers. https://t.co/TaObcXIDRo #programming #programmer #Dev...". The second result is a tweet from June 17, 2019, at 03:00, with the same text. Both results show 1 retweet and 0 favorite count. The user name is "#angular" and the user ID is "1166119184922603520". A "SELECT" checkbox is present next to each result. The bottom of the browser window shows the Windows taskbar with the search bar and several application icons.

--> **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.

This screenshot shows the same "SEARCH RESULTS" page as before, but with a "Direct Message" dialog box open in the center. The dialog box has a title bar "Direct Message" and a close button. It contains two entries: "1. #angular" and "2. Max Arioli.". Each entry has a text input field, a "Choose File" button, and the text "No file chosen". At the bottom right of the dialog box is a blue "SEND" button. The background of the page is dimmed. The Windows taskbar at the bottom shows the time as 12:12 PM on 28-08-2019.

## 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 and its solution are listed below:-

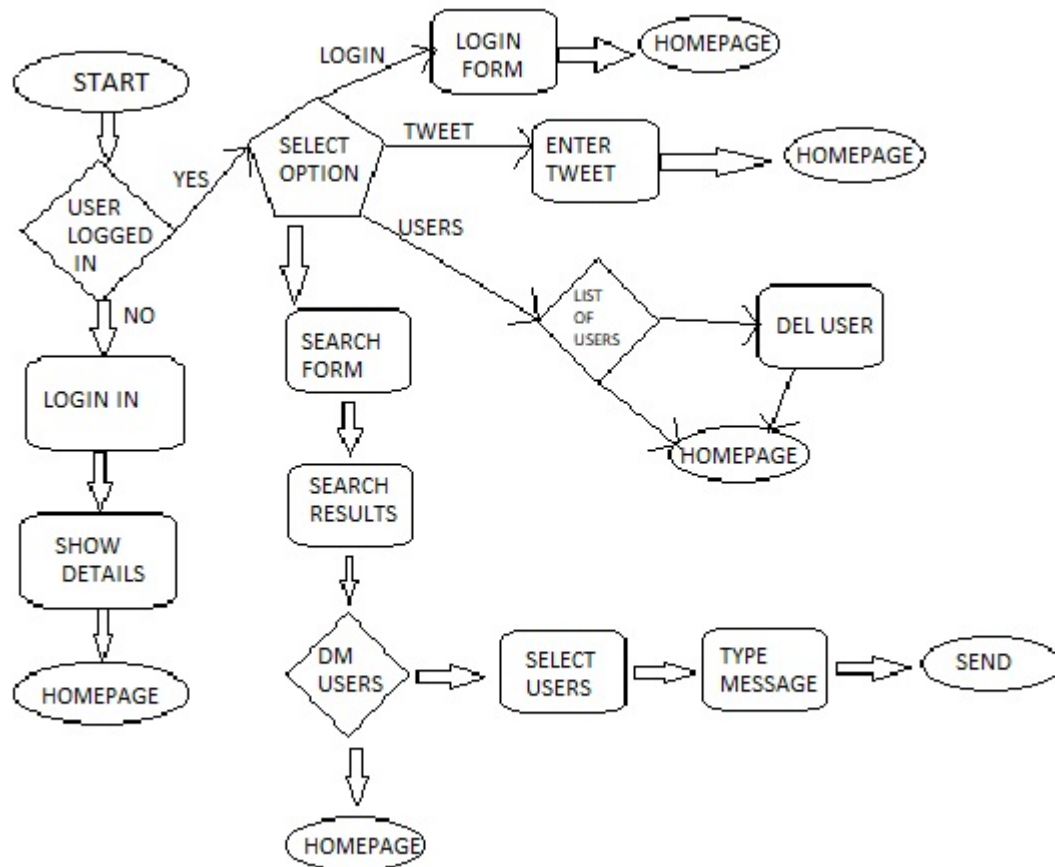
- 4.1) *Fetching the parameters from the request* - Query string was used to solve this problem and was done with the help of Django Docs from the internet.
- 4.2) *Binding the User Id according to the check boxes* - JQuery came to rescue in this situation and it was done on the front-end itself.
- 4.3) *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