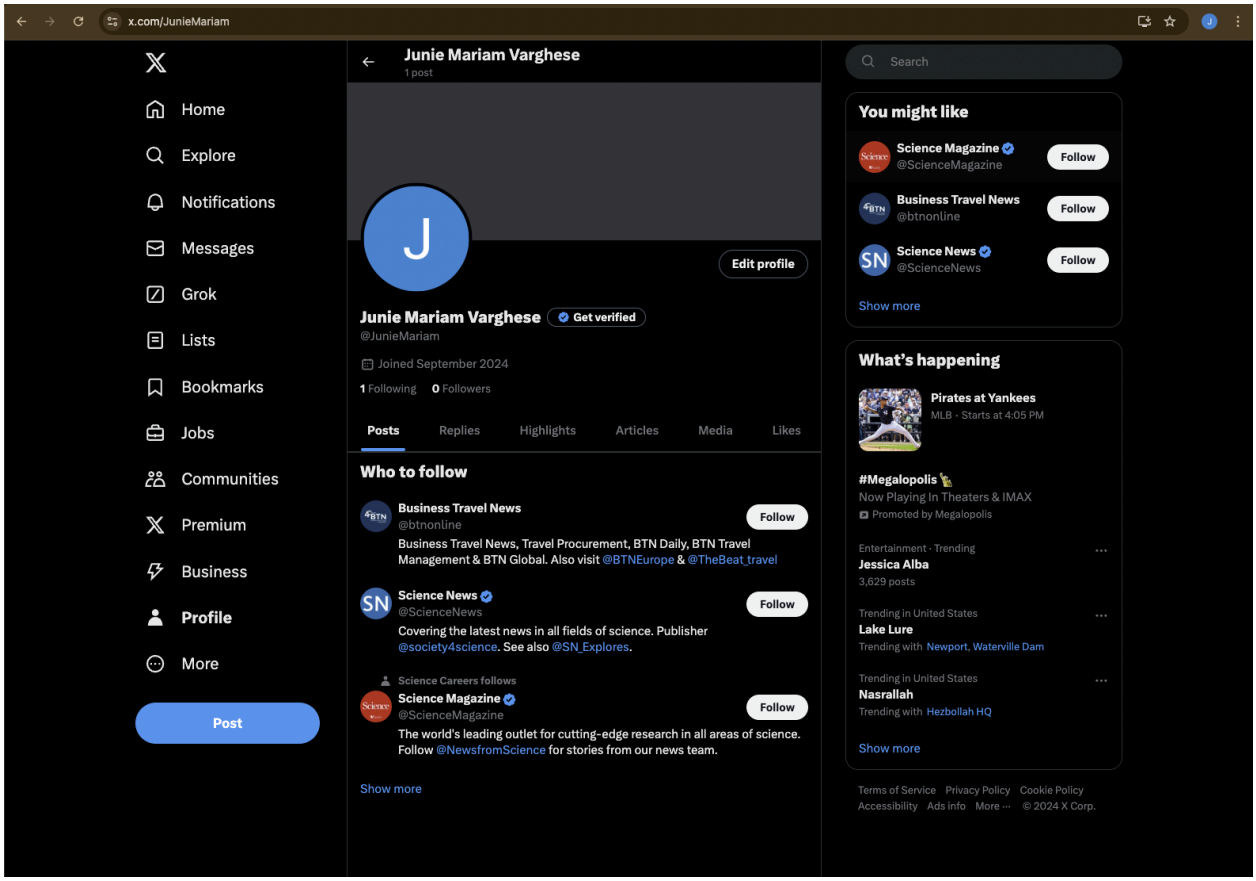
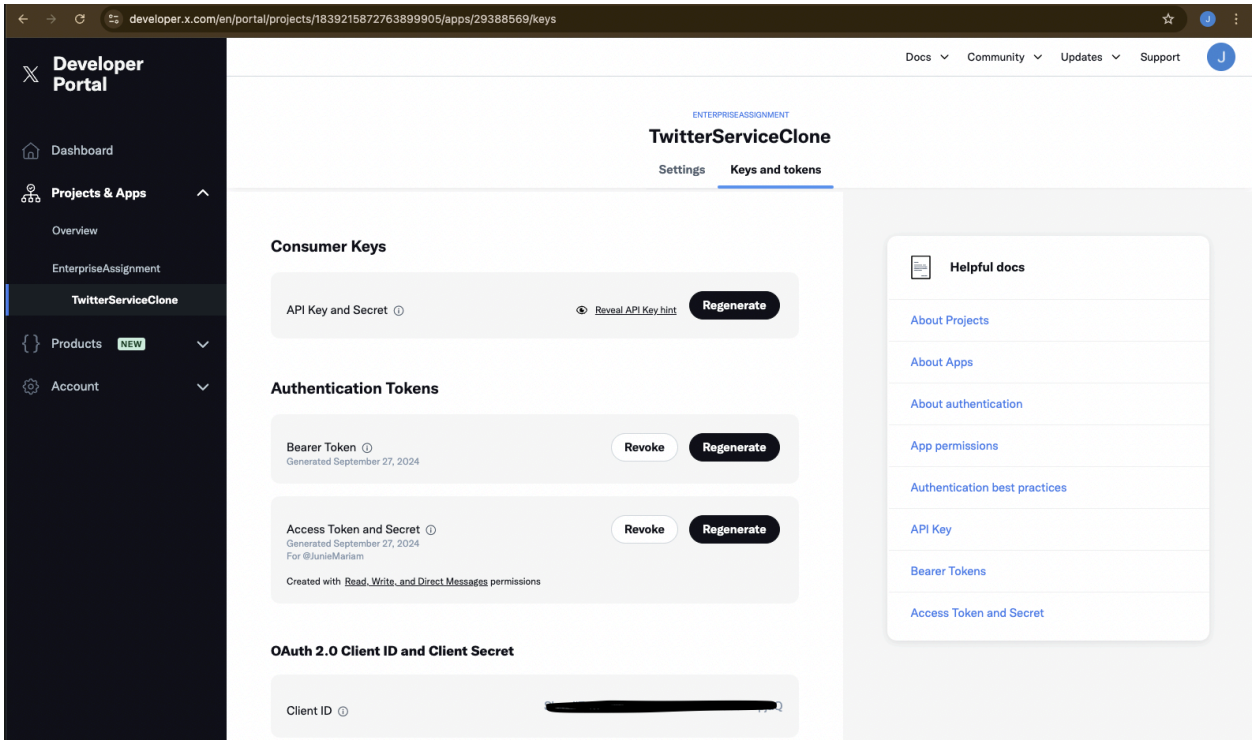
TWITTER SERVICE

1. Created a twitter account



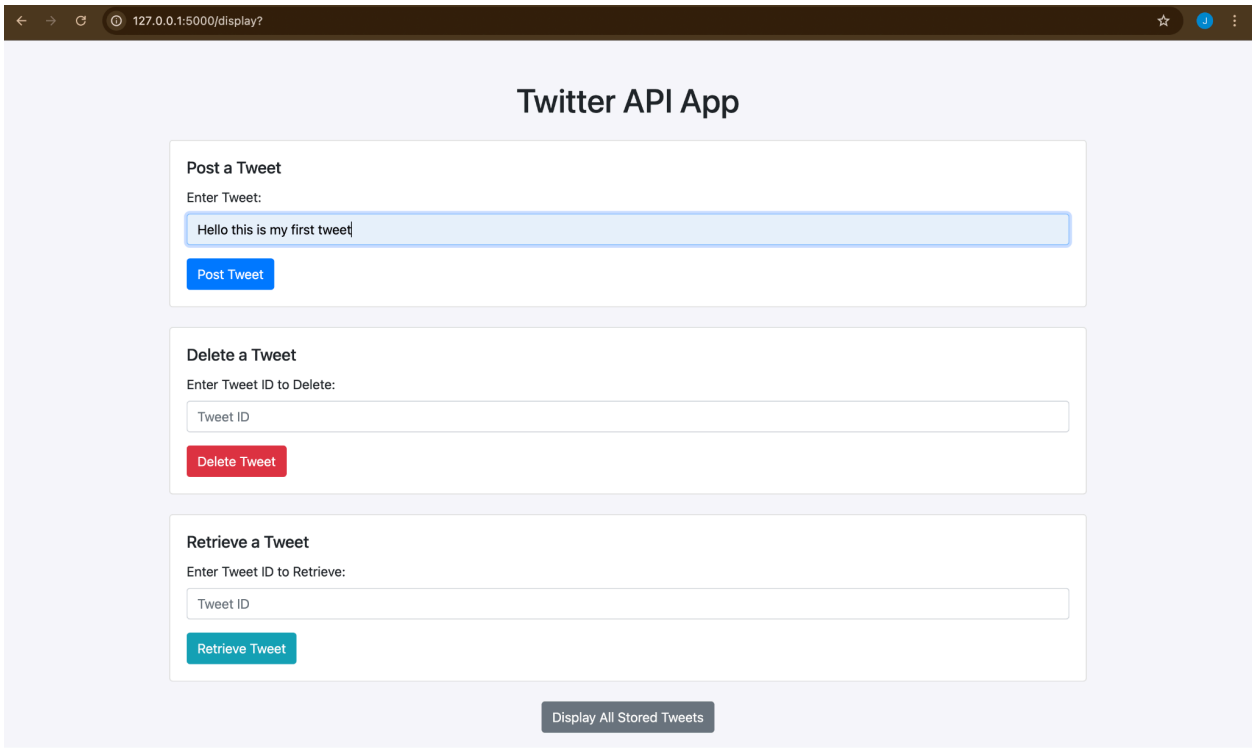
2. Opened developer portal created app and got the secrets for accessing the APIs. Since we are using a free version. We have access to the Post and Delete API. Since Retrieve API is paid we used an SQLite database to store the details of the tweet.

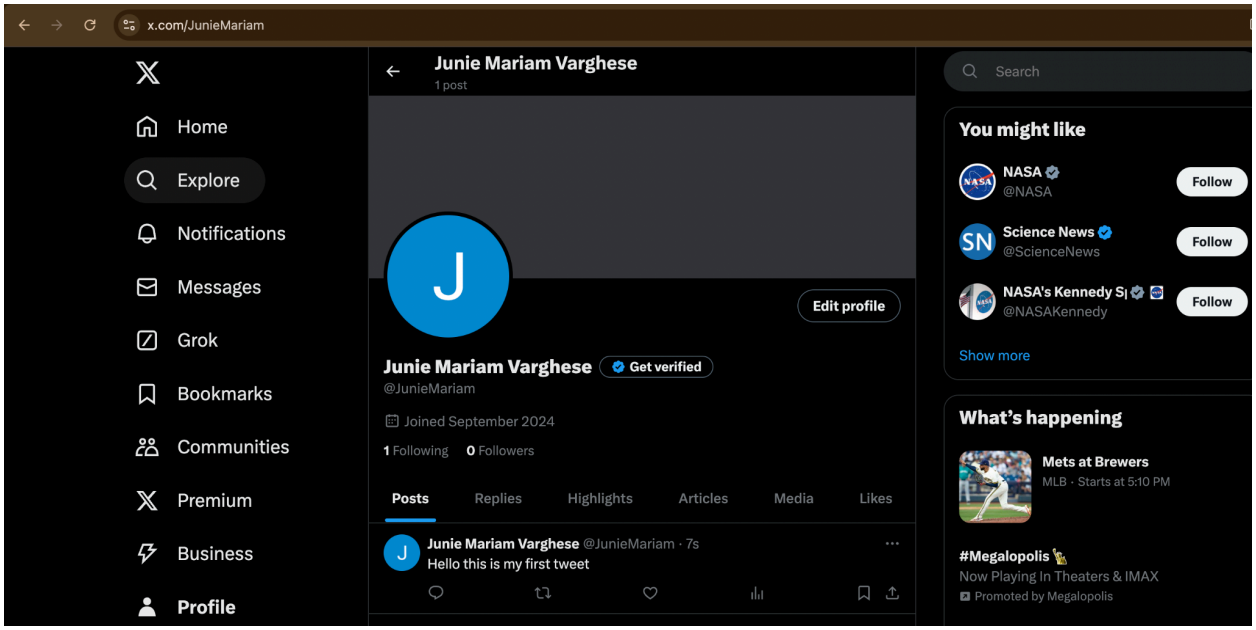


We used python to create the UI and the connections to the database and make the API Calls.

CASE1

1. Lets Post a tweet through our webUI.

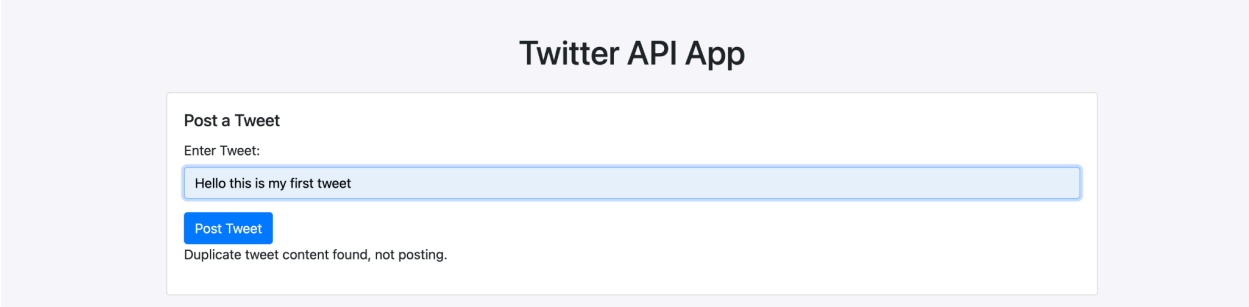




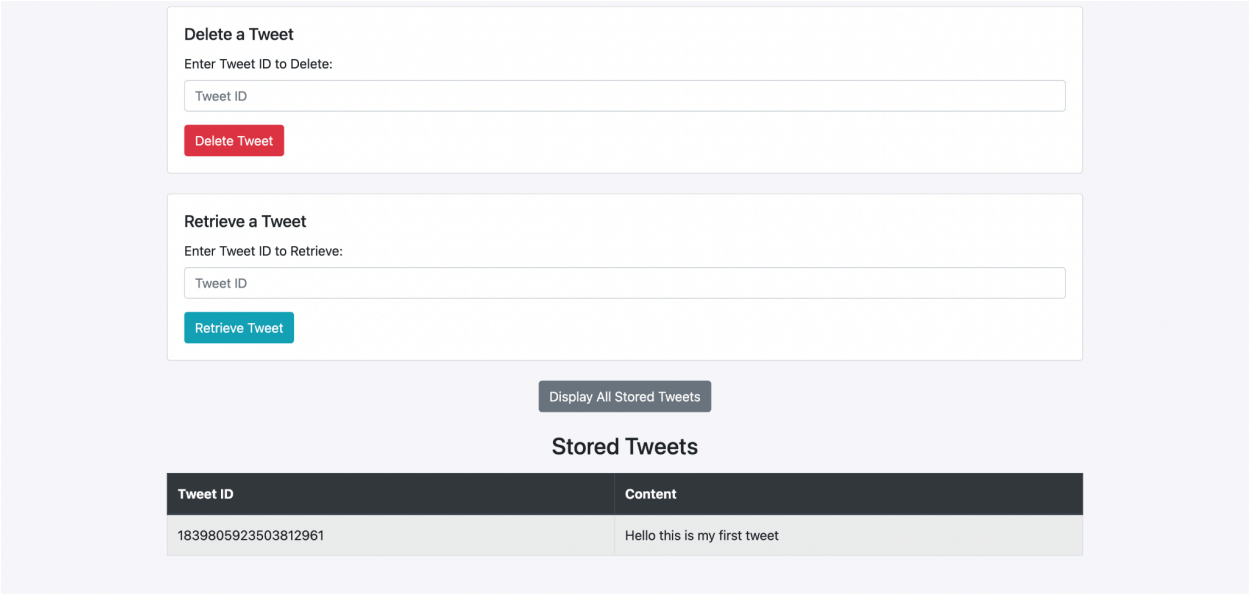
We can find our tweet posted on X.

CASE 2
We also need to test the negative cases. So when we have a post thats having the same content it shouldn't post.

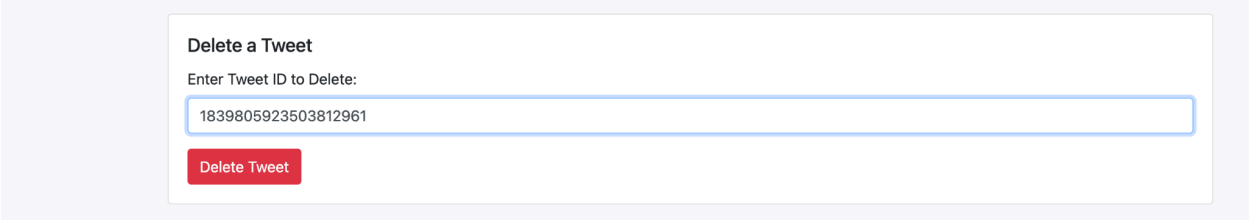
Lets test our WebApp for this scenario.

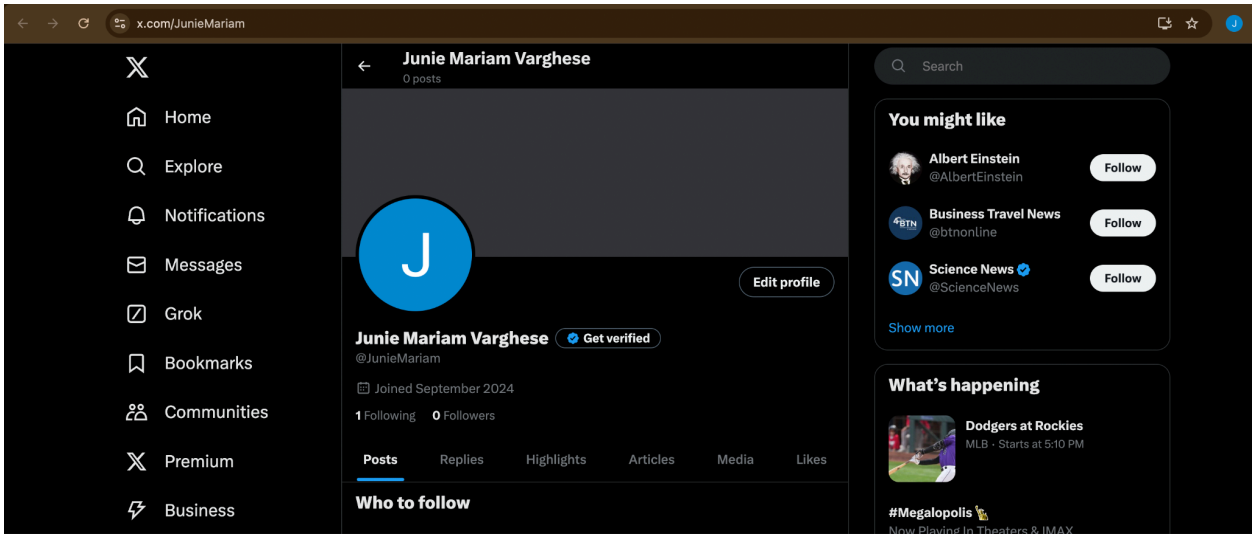


2. Now lets test to delete the Post. So for that we need the tweetID. We have implemented a button in UI which populates the tweets created through our web application.



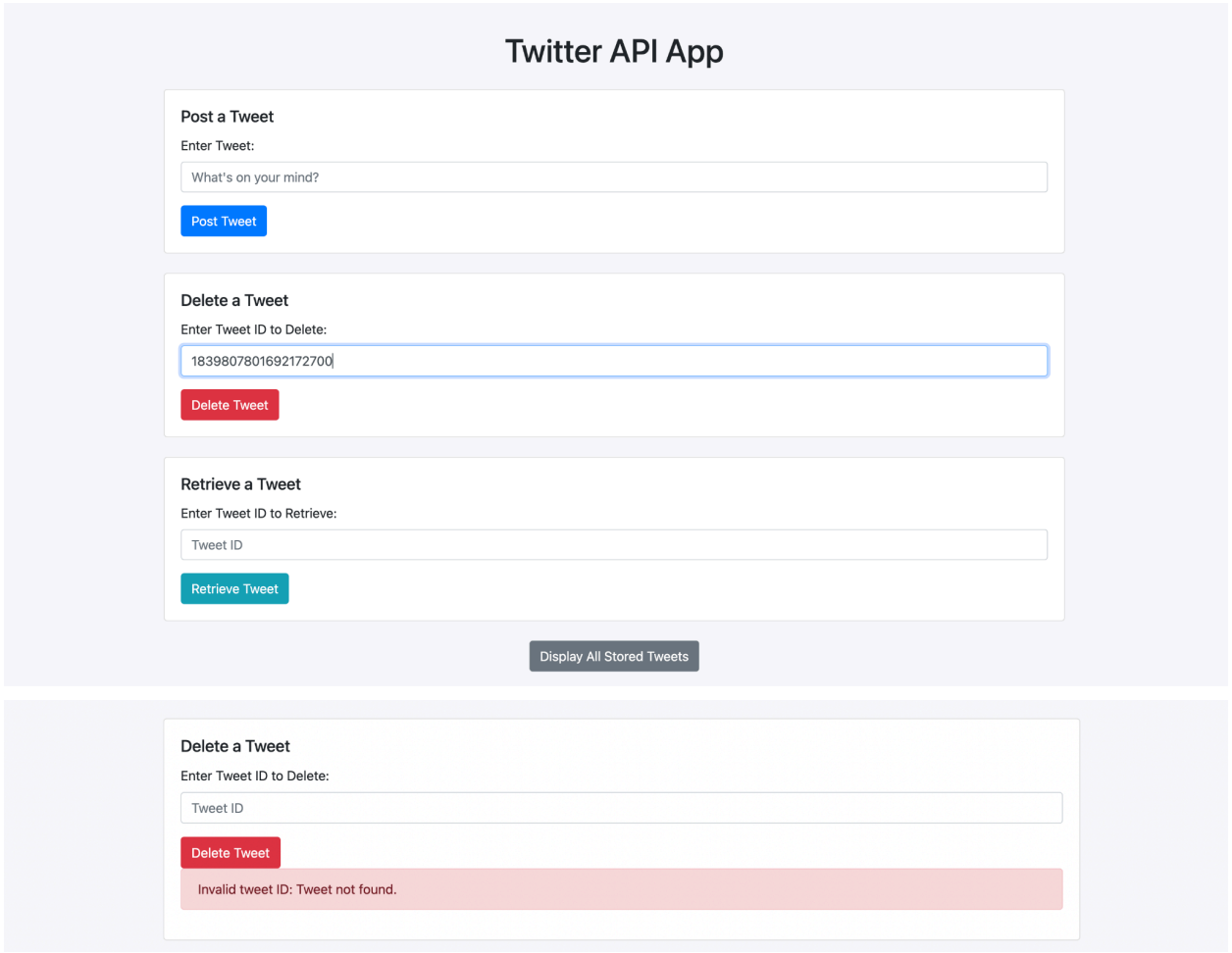
Using the tweetId to delete the tweet from X.





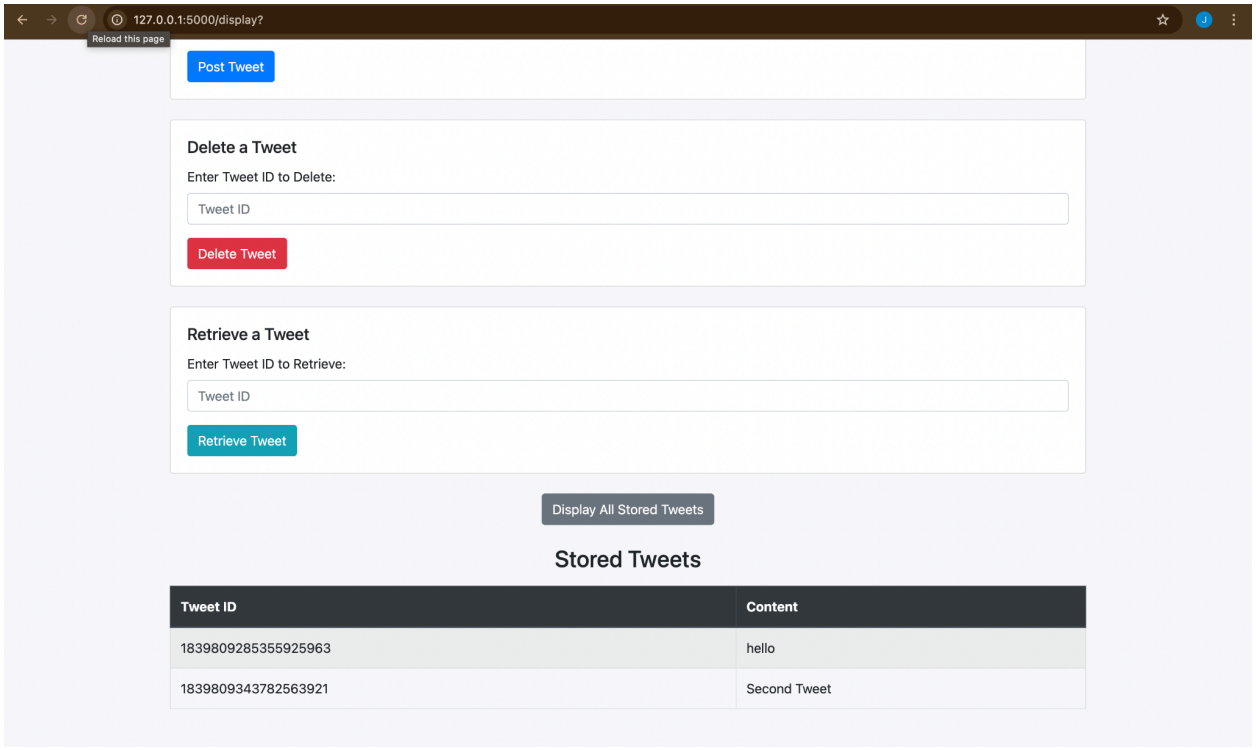
The post is deleted.

So now lets test some negative cases:
Trying to delete a tweet id that doesn't exist.

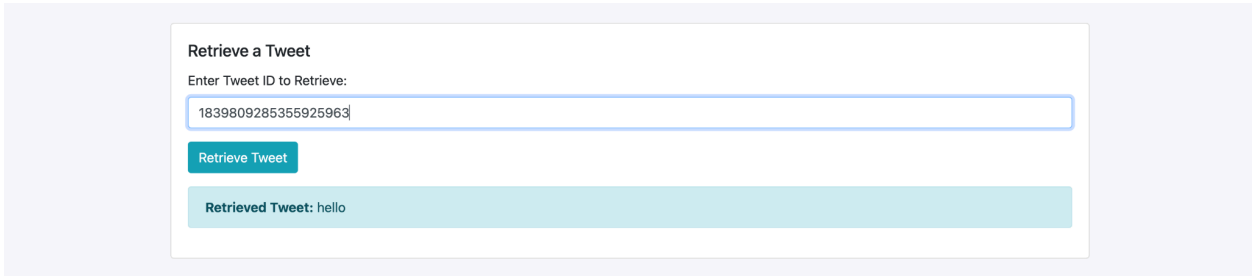


3. Retrieve Tweets from tweetId

So clicking Display all stored tweets we get to know all tweets with ID. This is implemented to get the tweetId and to validate if the right content is retrieved.

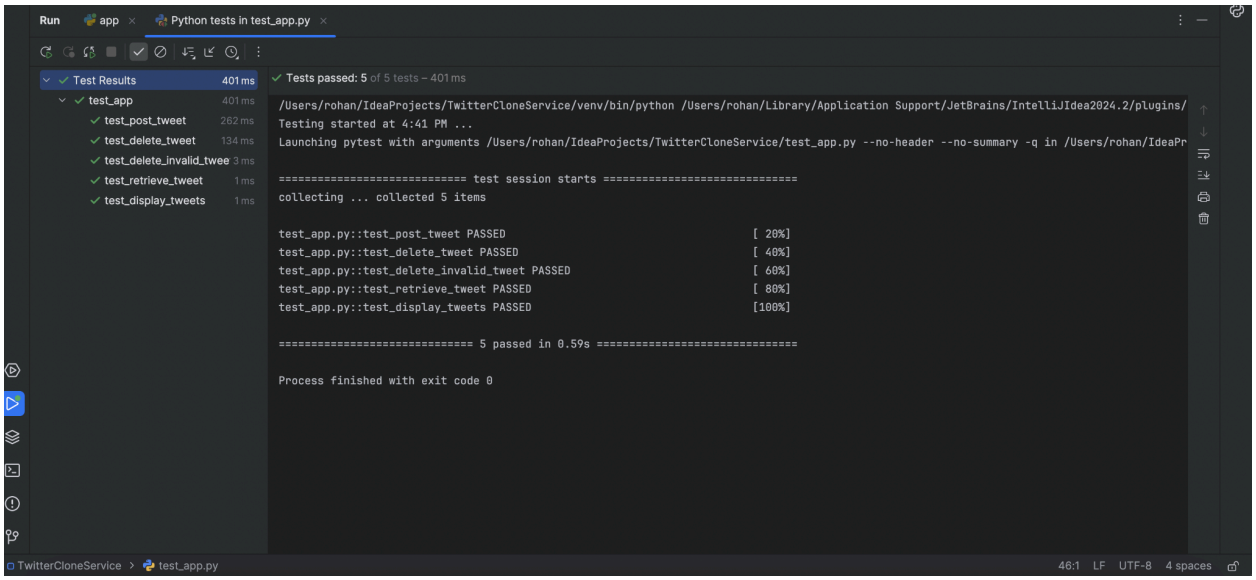


So getting the tweetId from the stored tweets. Lets retrieve the content.



Since retrieval API is not accessible for free users. We implemented a database to store the tweets and retrieved the information.

Unit Test Results



For Reference Github Repository: https://github.com/juniemariam/TwitterClone