

# MSDS 7330 File Organization and Database Management

## MongoDB MiniProject

Name: Andrew Abbott

Date: November 19, 2016

Python script:

```
import pymongo
import tweepy
import json
import time
from tweepy import OAuthHandler
from tweepy import Stream
from tweepy.streaming import StreamListener

consumer_key = '5bfLSp4ua7zAalFtKw08ujMna'
consumer_secret = 'P5EDPolz4BwMbD4BuCIcwP4mWY9hxC1mfL2Bp0Vyd5qMYerhDu'
access_token = '6606412-UYqud5g3qq50i4iqFkBm9YIktPmGmrYGNPLBPsJspu'
access_secret = 'FjzLrfehZhfsTeeQl4vmck39ysYzLTq2KZzcPbSIDJddv'
auth = OAuthHandler(consumer_key, consumer_secret)
auth.set_access_token(access_token, access_secret)

api = tweepy.API(auth)

class MyListener(StreamListener):

    def __init__(self, time_limit=60):
        self.start_time = time.time()
        self.limit = time_limit

    def on_data(self, data):
        if (time.time() - self.start_time) < self.limit:
            conn = pymongo.MongoClient()
            db = conn.twitter
            tweet = json.loads(data)
            db.tweets.insert_one(tweet)
            return True
        else:
            return False

twitter_stream = Stream(auth, MyListener())
twitter_stream.filter(track=['#Rockets'])

tweets = db.tweets.find()
for tweet in tweets:
    print(tweet['user']['name'] + ', ', tweet['text'])
```



Rodeo File Edit View Window Session Help



New File



twitter.py



```
27         conn = pymongo.MongoClient()
28         db = conn.twitter
29         tweet = json.loads(data)
30         db.tweets.insert_one(tweet)
31         return True
32     else:
33         return False
34
35
36 twitter_stream = Stream(auth, MyListener())
37 twitter_stream.filter(track=['#Rockets'])
38
39
40 tweets = db.tweets.find()
41 for tweet in tweets:
42     print(tweet['user']['name'] + ', ', tweet['text'])
43
44
45
```

Python

&gt;\_ Terminal



Christian, He cooked em! <https://t.co/U431KmwH98>

Ravens 5-4, RT @BeforeFamePics: James Harden just did Dante Exum dirty! #Rockets 🏀 <https://t.co/jdLbhk22SC>

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LongLiveDonna 🇺🇸, RT @TheSportsJunky1: James Harden is FILTHY! #Rockets <https://t.co/AocLsBfJGh>

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🇺🇸, RT @BeforeFamePics: James Harden just did Dante Exum dirty! #Rockets 🏀 <https://t.co/jdLbhk22SC>

\$\$, RT @DefPenHoops: James Harden hits a quick little crossover on Rodney Hood

#Rockets <https://t.co/Sraxa3XRVs>

Hosày Quavo, Lol The Beard with the crucial step back <https://t.co/Q1LhTK5Yb8>

Des, RT @BeforeFamePics: James Harden just did Dante Exum dirty! #Rockets 🏀 <https://t.co/jdLbhk22SC>

carti, FILTHY <https://t.co/oQGsRjJf5>

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yung KillaCam, 🇺🇸 <https://t.co/WvhNAlYyp0>

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NBA Daily Lineups, #Rockets Trevor Ariza banged knees on Saturday and needed further evaluation after the game. <https://t.co/ojOABVyels>

Aldog, Awesome Atlas launch tonight from Cape Canaveral #AtlasV #GEOSsatellite #Florida #SpaceCoast #rockets #Weathe <https://t.co/1we5JPTiL>

Lil Blackie, RT @BeforeFamePics: James Harden just did Dante Exum dirty! #Rockets 🏀 <https://t.co/jdLbhk22SC>

Eliseo Segovia, RT @BeforeFamePics: James Harden just did Dante Exum dirty! #Rockets 🏀 <https://t.co/jdLbhk22SC>

Jordan Ingram ⚡, Oh my <https://t.co/SK4IEtLNsc>

BIGDAWG SHIT 🇺🇸, 🇺🇸 <https://t.co/UePrKs6arr>

Kenny 🇺🇸, Oh my lord <https://t.co/usska9R3cW>

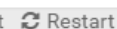
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Shannon Gustman, #NBA #Houston #Rockets ladies Pink 30oz yeti tumbler <https://t.co/zQcZuPCXMc> #Basketball <https://t.co/WGKCduafv1>

Francisco X., RT @BeforeFamePics: James Harden just did Dante Exum dirty! #Rockets 🏀 <https://t.co/jdLbhk22SC>

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C:\Users\Abbott