**MSDS 7330 File Organization and Database Management**

**MongoDB MiniProject**

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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 = 'P5EDPo1z4BwMbD4BuCIcwP4mWY9hxC1mfL2Bp0Vyd5qMYerhDu'

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'])

