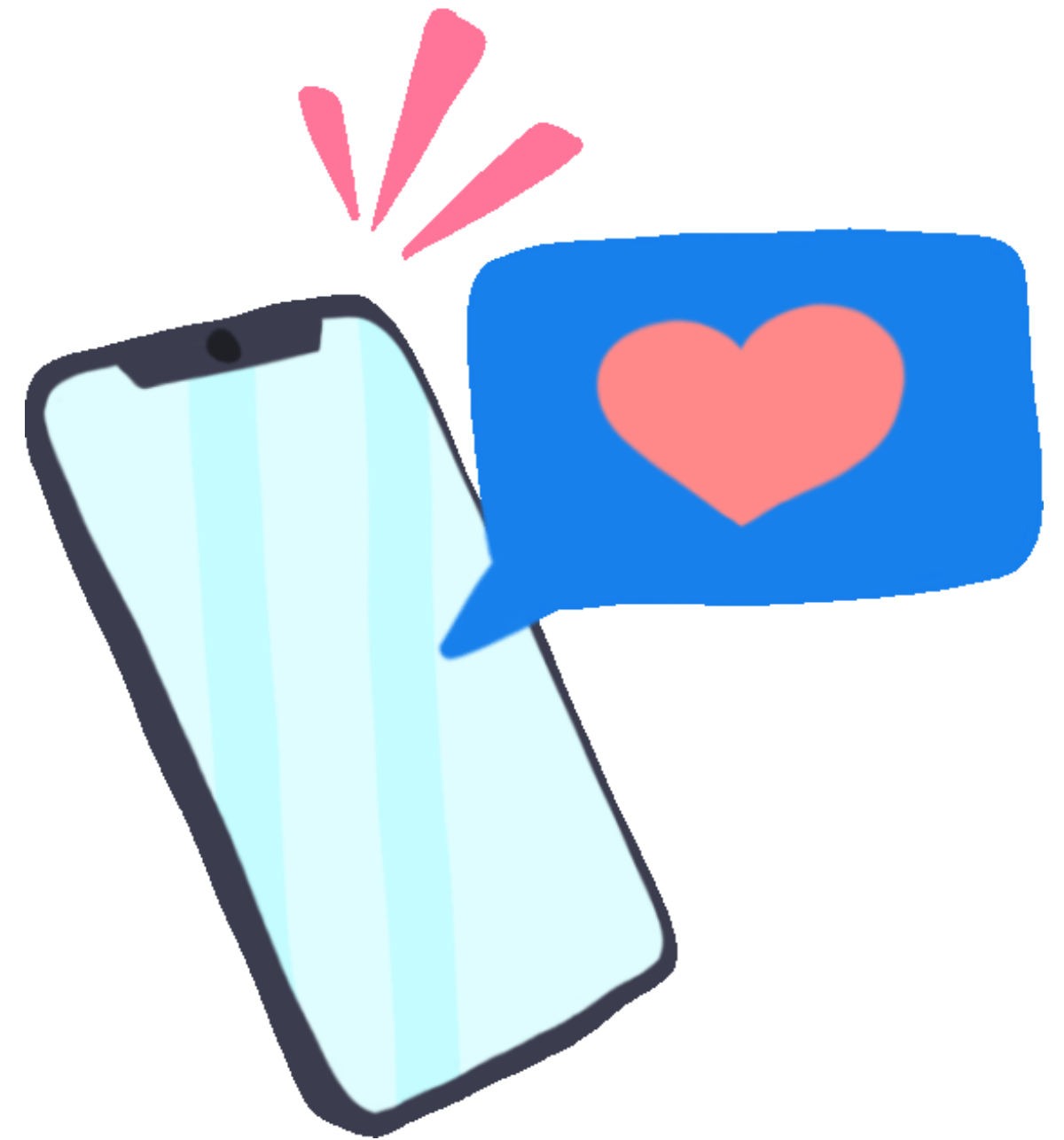


@hellospace2021

Connecting HTX & UH
through Twitter 

Dream Team Twitter Group



Motivation

Webscraping and Twitter bot



Connect UH community

The use of automation in social media to foster increased engagement



Learn new skills

Python



Possibility for expansion



Functions

What will the bot do?

1) Scrape traffic data

Reliable, less work

Feed into bot

Relevant

2) Tweet out traffic conditions near UH

High commuter population

Accidents

Real-time

Planned Process

Creating our bot!

01

Research & Set up Twitter Developer Account

- First time
- Tutorials
- Create minimum-viable-product plan

02

Python! - Creating the bot

- Map out tasks
- Tweepy library for Twitter API & OAuth
- Pandas library for CSV data

Houston Transtar API

Incident Data Feed

Operators at Houston TranStar continuously monitor incidents on Houston area roadways using the many resources that TranStar offers. The live status of each monitored incident is logged and updated once per minute for the data feed.

- [Sample Incident Data Feed \(JSON\)](#)

Lane Closure Data Feed

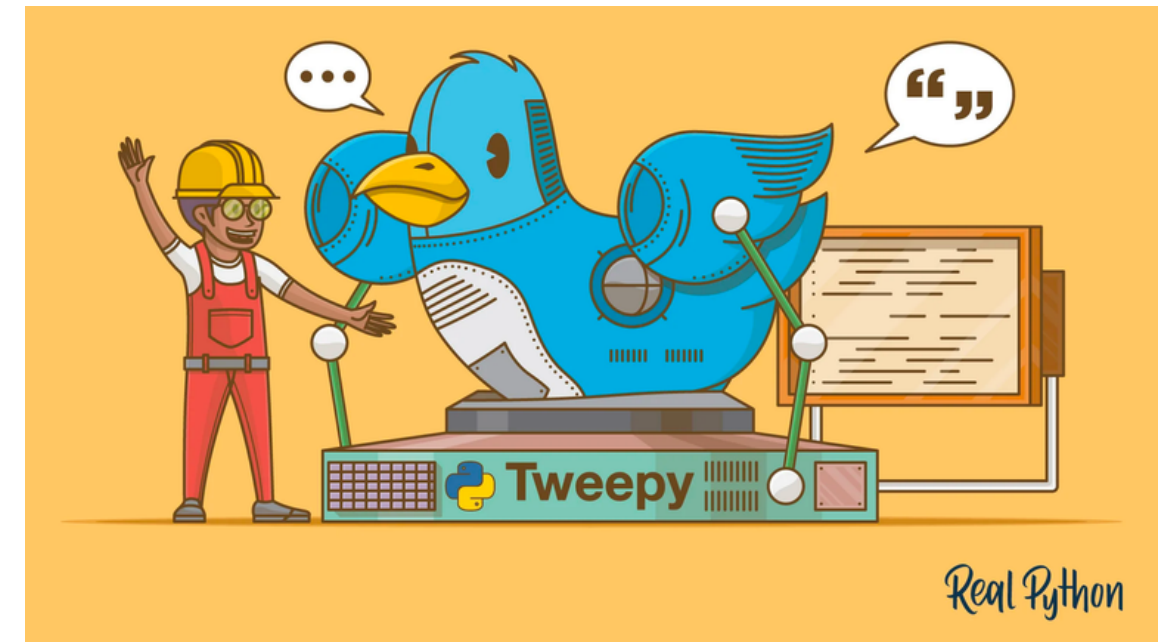
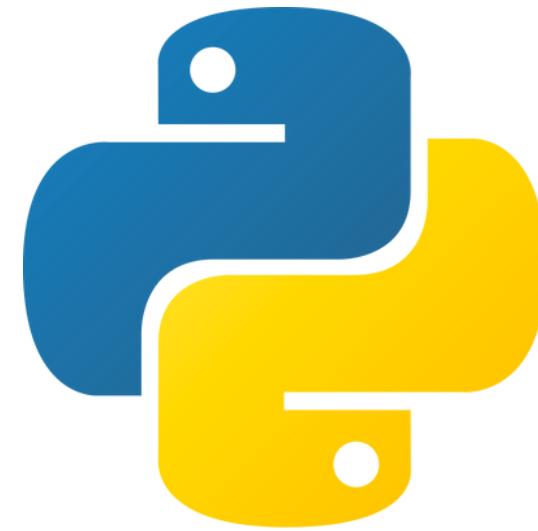
The Texas Department of Transportation and Harris County Toll Road Authority report scheduled lane closures on their facilities daily. The live status of each lane closure is logged and updated once per minute for the data feed.

- [Sample Lane Closure Data Feed \(JSON\)](#)
-

Screenshot - Creating Tweets



Accomplishments



Future Stretch Goals

Possible new features that can be implemented in the bot

Add Scrapped Data

Deploy

- REAL-TIME TWEETING
-

Expand to more areas

- CAN ALSO SERVE AS A HELP-BOT

Difficulties

Possible new features that can be implemented in the bot

Add Scraped Data

Deploy

- REAL-TIME TWEETING
-

Expand to more areas

- CAN ALSO SERVE AS A HELP-BOT