

Masters Dissertation Early Deliverable

This repository contains submission material for the CO880 Early Deliverable.

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Setup

Currently the application is designed to be run in a vagrant VM. To run the application:

1. install vagrant
2. load the virtual machine
3. create a 'secrets.py' file using the template and adding the required credentials
4. run 'database_setup.py' to create the database
5. run 'getstream.py' to begin storing data from twitter
6. run 'web.py' to start the webserver to output the data
7. visit 'localhost:5000' to view the dashboard

If you do not wish to install everything there is a video linked below showing the output of the application.

Directory Structure

```
/
|-- docs
|   |-- risks.md
|   |-- specification.md
|-- old-src
|-- |-- mju77-early
|-- |-- |-- css
|-- |-- |-- libs
|-- src
|-- |-- vagrant
|-- |-- |-- dEarly
|-- |-- |-- |-- templates
|-- .gitignore
|-- README.md
```

docs - contains all the documentation beyond this README.

old-src - contains the original version of the project, designed to work on Google App Engine, due to their setup the application cannot be run using only GAE, but some of the files could still be useful whilst developing the project.

src - contains all of the source code for the application in its current state.

Application URL

This application is currently not available to view publically currently, a video is running at the following URL:

https://youtu.be/xFTwe-9_g_Y

The video shows the number of tweets created in the last 60 seconds that contain the phrase "GameofThrones". This video was recorded the morning that the final episode of season 6 of Game of Thrones was originally aired, roughly 2 hours after it finished.

Libraries Currently Being Used

- Twitter API ([GET statuses/sample](#))
- Tweepy - twitter python library
- Chartjs - javascript graphing library
- JQuery