

DoubleCheck

...

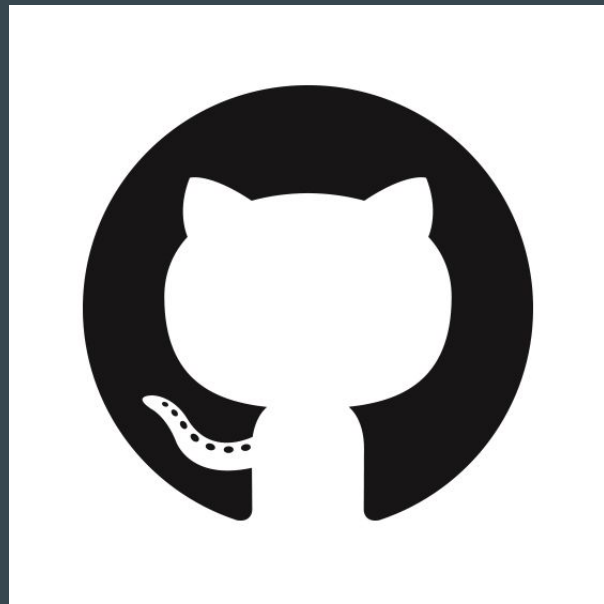
Everyone makes ~~mistaks~~ mistakes

Group Members

- Jared Jolton
- Ryan Bohannon
- Connor Davis
- Wil Braun
- Joe Kiefer

Github

VCS - 5/5



Node.js / Express

Framework - 5/5

Easy to manage directory structure



```
server ls -l
total 24
-rw-r--r--  1 ryan  staff   103 Apr 25 17:10 README.md
drwxr-xr-x  6 ryan  staff  204 Apr 25 17:10 app
-rw-r--r--  1 ryan  staff 1321 Apr 25 17:10 package.json
drwxr-xr-x  6 ryan  staff  204 Apr 25 17:13 public
-rw-r--r--  1 ryan  staff 1971 Apr 25 17:10 server.js
drwxr-xr-x 16 ryan  staff  544 Apr 25 17:10 views

server tree .
.
├── README.md
├── app
│   ├── auth.js
│   ├── aws.js
│   ├── essays.js
│   └── routes.js
├── package.json
├── public
│   ├── css
│   ├── img
│   ├── js
│   └── libs
├── server.js
└── views
    ├── about.jade
    ├── admin.jade
    ├── essays-new.jade
    ├── essays.jade
    ├── format_test.jade
    ├── include
    ├── index.jade
    ├── login.jade
    ├── mixins.jade
    ├── modal_example.jade
    ├── parts
    │   ├── layout.jade
    │   ├── main.jade
    │   ├── navbar.jade
    │   └── sidebar.jade
    ├── profile.jade
    ├── signup.jade
    └── template_test.jade
```

Firestore

Firestore: Database and User Authentication - 5/5

Firestore Database handles our:

- User Authentication
- User Content Storage
- Essays, Stats, Analysis info



Firestore

Amazon S3, Heroku, Digital Ocean

Amazon S3: Infrastructure as a Service 1/5

Heroku: Platform 5/5

Digital Ocean: Servers 3/5



Trello

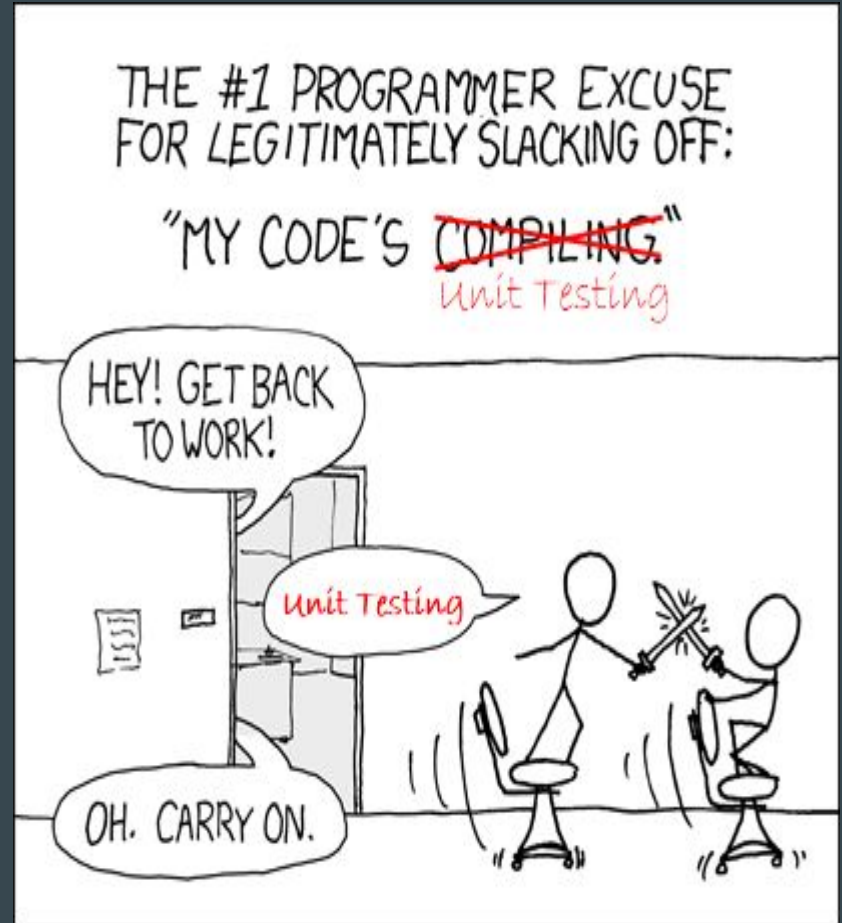
Project Tracker - 1/5



Sphinx / unittest

Sphinx: Auto-Documenter 1/5

Unittest: Python unit tester 2/5



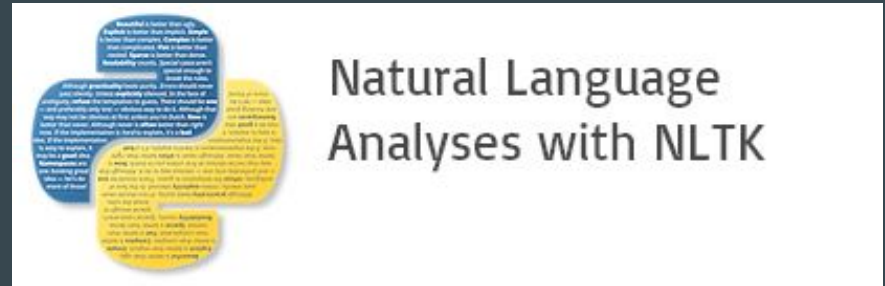
ATD, Gensim, NLTK

ATD: Grammar and Proofreading API 5/5

Gensim: NLP / Topic Modeling 5/5

NLTK: More NLP 5/5

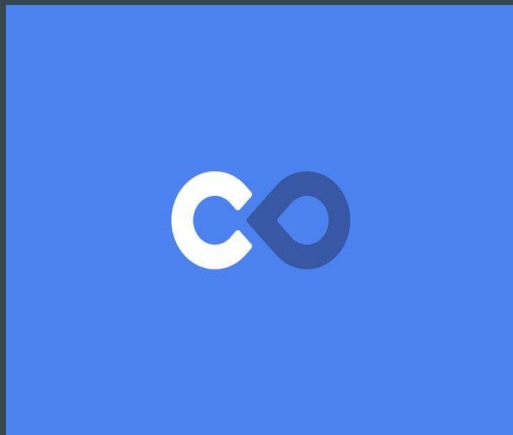
gensim



Codrops, Bootstrap

Codrops: UI Templates 5/5

Bootstrap: UI Templates 3/5



Methodologies

Agile: Team Meetings, Guidelines, Sprints

Pair Programming: Reduced stress, sharing of expertise

Peer Code Reviews: “Fresh” set of eyes, discover errors quickly

Challenges

File Uploading: Trickier to implement than anticipated

Stormpath: Annoying to deal with, firebase handles user authentication better.

DigitalOcean: Installing modules, troubleshooting

Amazon S3: Security, ACCOUNT H4CK3D, and resources compromised

Paragraph Tokenizing: NLP feat

Demo!