**Access Application**

1. Clone the github repository at[Review Credibility Analysis](https://github.com/Zach-Shim/Review_Credibility_Analysis)
   1. **gh repo clone *https://github.com/Zach-Shim/Review\_Credibility\_Analysis***
2. Activate python environment to access packages:
   1. **source env/bin/activate**
3. Change directories to the fake review checker project:
   1. **cd django\_site/fake\_review\_checker/**

**Django Commands**

**Server**

***python manage.py runserver***

You can see the index page at [http://127.0.0.1:8000/catalog/](http://127.0.0.1:8000/admin/)

**Admin**

To access the admin interface, email me at [shimz2@uw.edu](mailto:shimz2@uw.edu) for the username and password

The local development interface to see database records are at <http://127.0.0.1:8000/admin/>

**Shell**

***python manage.py shell***

**Database**

If any changes are made to models.py, run these commands:

***python3 manage.py makemigrations***

***python3 manage.py migrate***

Sometimes file\_to\_database.py may not work properly with sqlalchemy if you edit the models. If you get a background error when running a file\_to\_database command, drop the User, Product, and Review tables and their associated cache in /migrations/ and /migrations/\_\_pycache\_\_/. Then, re-run python3 manage.py makemigrations and instead of running python3 manage.py migrate, use the following command:

***python3 manage.py migrate --fake-initial***

To see the SQL equivalent of your models, use the following command:

***python3 manage.py sqlmigrate catalog 0001***

The SQL command is also for checking constraints (like foreign key and unique).

**Custom Commands**

These commands are used to run the fake detection algorithms.

**minHash.py & similarity.py**

**Note:** minHash must be ran before similarity (or else it will crash)

***python3 manage.py minhash <asin>***

***python3 manage.py minhash --all***

***python3 manage.py minhash -a***

***python3 manage.py similarity B001LHVOVK***

***python3 manage.py similarity --all***

***python3 manage.py similarity -a***

**incentivized.py**

**Note:** incentivized commands must be ran with a product ASIN

***python3 manage.py incentivized <product asin>***

**anomaly.py**

**Note:** anomaly commands must be ran with a product ASIN

***python3 manage.py review\_anomaly <product asin>***

***python3 manage.py rating\_anomaly <product asin>***

**file\_to\_database.py**

**Note:** user and product must be ran before review because of foreign keys

<table\_name> is a string in the set (‘user’, ‘prouct’, ‘review’), because these are the names of the tables in the sqlite database.

To remove all records from a specific table:

***python3 manage.py database <table\_name> -r***

or

***python3 manage.py database <table\_name> --remove***

To remove all records from all tables (‘user’, ‘prouct’, ‘review’):

***python3 manage.py database -ra***

or

***python3 manage.py database -remove\_all***

To drop a specific table:

***python3 manage.py database <table\_name> -d***

or

***python3 manage.py database <table\_name> --drop***

To drop all tables (‘user’, ‘prouct’, ‘review’):

***python3 manage.py database -da***

or

***python3 manage.py database -drop\_all***

To select all records a specific table:

***python3 manage.py database <table\_name> -s***

or

***python3 manage.py database <table\_name> --select***

To select all records from all tables (‘user’, ‘prouct’, ‘review’):

***python3 manage.py database -sa***

or

***python3 manage.py database -select\_all***

To insert records from all json files in the dataset directory into a specific table:

***python3 manage.py database <table\_name> -i***

or

***python3 manage.py database <table\_name> --insert***

To insert records from all json files in the dataset directory into all tables (‘user’, ‘prouct’, ‘review’):

***python3 manage.py database -ia***

or

***python3 manage.py database -ia\_all***

**Sqlite Terminal Commands**

sqlite3

.open

.mode columns

.headers on

.tables

select \* from review;

select \* from user;

select \* from product;

select count(\*) from review;

select count(\*) from user;

select count(\*) from product;

delete from review;

delete from user;

delete from product;

drop table review;

drop table user;

drop table product;