

## 0.1 Dependencies

Library Name	Version
kombu	4.2.0
django	2.0.3
google_auth_oauthlib	0.2.0
psycopg2	2.7.4
youtube_dl	2018.3.20
google_api_python_client	1.6.7
celery	4.1.1
redis	4.0.9
jsonpickle	0.9.6
protobuf	3.5.2.post1

To start the django project, start the django localhost server with

```
python manage.py runserver
```

In a separte terminal window, ensure redis is running with

```
redis-server
```

In another terminal window, start a celery worker with

```
celery -A crawler worker -l info
```

To fully terminate the celery worker, run

```
pkill -f celery
```

## 0.2 Adding a filter

To add a filter, simply create a new class in filters.py that inherits the `AbstractFilter` class. Then, implement the functions `name`, `description`, and `filter`. `name` and `description` should return strings.