Shopify Django App Scaffold

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1 Installation

1.1 Download Scaffold

 $git\ clone\ git@github.com:Chelsea-And-Rachel/python-shopify-app.git\ mv\ python-shopify-app\ project-name>
 cd project-name>
 cd$

Create a new repository for the project in githob and update .git/config to use that origin

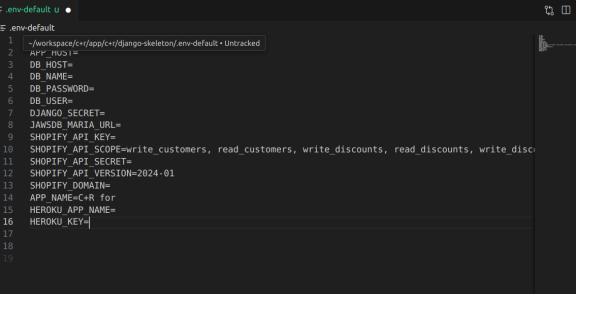
Open the folder in your editor of choice, which I'm certain is a bad one and you should be ashamed, unless it's vim in which case you should be committed.

From the command line, initialize the python virtual environment

```
ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/: ellie@ellies-dev-dumpster:-/workspace/c+r/app/tykables$ pipenv --python=/usr/bin/python3 && pipenv shell Loading .env environment variables...
Loading .env environment variables...
Launching subshell in virtual environment...
./home/ellie/.local/share/virtualenvs/tykables-oJfd0X_S/bin/activate
(base) ellie@ellies-dev-dumpster:-/workspace/c+r/app/tykables$ ./home/ellie/.local/share/virtualenvs/tykables-oJfd0X_S/bin/activate
(tykables) (base) ellie@ellies-dev-dumpster:-/workspace/c+r/app/tykables$ pipenv install
Installing dependencies from Pipfile.lock (be4af9)...
(tykables) (base) ellie@ellies-dev-dumpster:-/workspace/c+r/app/tykables$ [
```

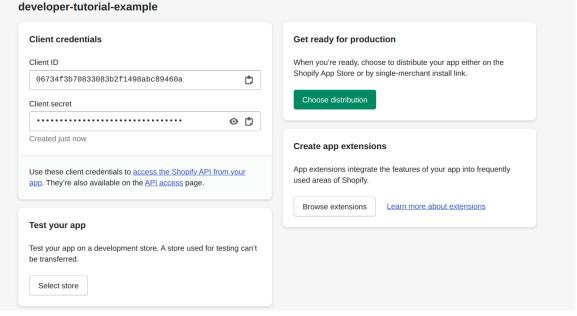
pipenv -python=<path to python3> && pipenv shell pipenv install

Rename .env-tmp to .env and open in your editor

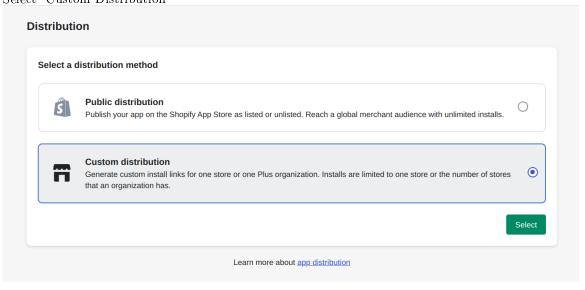


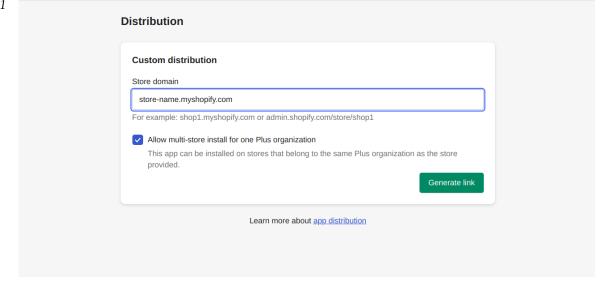
1.2 Shopify

From the Shopify Partners Dashboard, Create a new app. From the overview page:



Click "Choose Distribution" Select "Custom Distribution"





Set the store name and on the next page copy the custom installation link for later use

1.3 Heroku

We use heroku for ease of deployment and because it's not too spendy. The scaffold is set up mainly for this platform but in the future this may change and additions to the scaffold repo will be made and this document updated, so thanks in advance for making my life more difficult with your fancy bright ideas.

1.3.1 Install The heroku client

Google it. It's easy

1.3.2 Set up the App

Create a new app

Create New App

App name

app-name

App owner

Chelsea-and-rachel-dev

Choose a region

United States

Add to pipeline...

Create app

Cancel

From the command line, add the heroku remote repo: heroku git:remote -a < app name >
Click over to Resources tab and add the JawsDB Maria add-on

Overview Resources Deploy Metrics Activity Access Settings

Overview Resources Deploy Metrics Activity Access Settings

This app has no process types yet
Add-ons

Add-ons

Find more add-ons

Q jaws

JawsDB MySQL

JawsDB Maria

Estimated Monthly Cost

Solve

Settings

From the heroku Account Settings page, retrieve your API key. You'll need this for the next step

	Jump to Favorites, Apps, Pipelines, Spaces	
SSH Keys Need help? Checkout out our guide to generating SSH keys.	There are no SSH keys yet You can register new SSH keys to enable command line access to your apps. Add New SSH Key	
API Key	Regenerate API Key	
Close Account You must delete all apps on this account first. Warning: Closing your account is irreversible.	Close this account	

1.3.3 Configuration

From the command line, run ./bin/configure.py

```
ellie@ellies.dev.dumpster.-/workspace/. er/app/tykables. ellie@ellies.dev.dumpster.-/workspace/. er/app/tykables. ellie@ellies.dev.dumpster.-/workspace/. er/app/tykab
```

Most variables are pulled directly from Heroku. Shopify App Name, Shopify Client ID and Shopify Client Secret come from the Shopify Partner portal. Shopify Store Hostname is the store upon which the app will be installed (§1.2). Heroku API Key is drawn from your heroku account settings page.

Once the changes are in place, backout of the pipenv shell and reenter: exit && pipenv shell

If changes need to be made to .env, run ./bin./reconfigure.py

1.3.4 Django setup

At this point the DB needs to be set up

 $./manage.py\ makemigrations\ \ensuremath{\mathfrak{CE}}$ $./manage.py\ migrate$

1.4 Deploy Config to Shopify

cd shopify-extensions shopify app deploy

```
(tykables) (base) ellie@ellies-dev-dumpster:~/workspace/c+r/app/tykables$ cd shopify-extensions/ (tykables) (base) ellie@ellies-dev-dumpster:~/workspace/c+r/app/tykables$/shopify-extensions$ shopify app deploy info
    You are running a global installation of Shopify CLI
   This project has Shopify CLI as a local dependency in package.json. If you prefer to use that version, run the command with your package manager (e.g. npm run shopify).
   For more information, see Shopify CLI documentation
To run this command, log in to Shopify.

Press any key to open the login page on your browser

Logged in.

Info
    You are running a global installation of Shopify CLI
    This project has Shopify CLI as a local dependency in package.json. If you prefer to use that version, run the command with your package manager (e.g. npm run shopify).
   For more information, see Shopify CLI documentation
  - info
   Using shopify.app.toml:
     • Org: Chelsea & Rachel Co
• App: C+R for Tykeables
• Include config: Yes
    You can pass `--reset` to your command to reset your app configuration.
? Release a new version of C+R for Tykeables?
```

1.4.1 Deploy To Heroku

git add . && git commit -m "Initial Deploy" && git push heroku main && heroku logs --tail

ellie@ellies-dev-dumpster: ~/workspace/c+r/app/tykables

ellie@ellies-dev-dumpster: -/workspace/c ellie@ellies-dev-dumpster: -/workspace/c ellie@ellies-dev-dumpster: -/tmp/enam

```
ellie@ellies-dev-dumpster:-/workspace/c ellie@ellies-dev-dumpster:-/workspace/c ellie@ellies-dev-dumpster:-/workspace/c ellie@ellies-dev-dumpster:-/workspace/c ellie@ellies-dev-dumpster:-/workspace/c ellie@ellies-dev-dumpster:-/workspace/c ellie@ellies-dev-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-develproperson-deve
                      mote:
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switch g buildpack: heroku/python
mote:

bython app detected
mote:

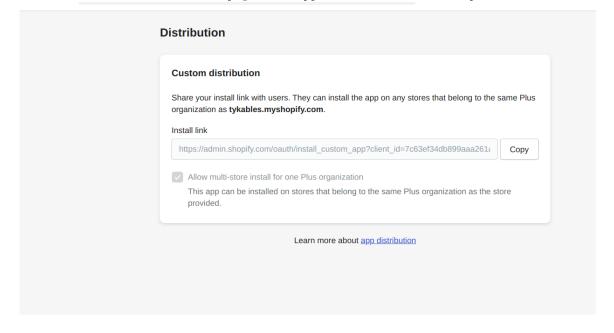
switch kopthon app kopthon app detected
mote:

switch kopthon app detected
                                                                                                                                                                                                                                                                                                                                                                                                                                                ellie@ellies-dev-dumpster: ~/workspace/c+r/app/tykables
      ellie@ellies-dev-dumpster:-/workspace/ ellie@ellies-dev-dumpster:-/workspace/ ellie@ellies-dev-dumpster:-/workspace/ ellie@ellies-dev-dumpster:-/workspacereate mode 100644 stattcfiles/stylesheets/AventrMedium.woff Enumerating objects: 150% (55/55), done.
Counting objects: 100% (53/55), done.
Delta compression using up to 12 threads
Compressing objects: 100% (33/33), done.
Writing objects: 100% (33/33), done.
Writing objects: 100% (33/33), done.
Total 33 (delta 18), reused 4 (delta 0), pack-reused 0
renote: Undated 295 paths from 0814337
renote: Compressing source files... done.
renote: Building source:
renote: Building source:
renote: Wising buildpack: heroku/python
renote: Wising buildpack: heroku/python
renote: Wising buildpack: heroku/python
renote: Wising buildpack: heroku/python
renote: Wising called install in specified. Using the same
renote: To use a different version, see: https://devcent
renote: Wising cached install of python-31.4
renote: Wising cached install of python-31.4
renote: Wising cached install of python-31.4
renote: Installing dependencies with Pipenv 2024.0.1
renote: Installing dependencies from Pyffile.lock (20237
                                                                                                                                                                                                                                                       ellie@ellies-dev-dumpster: -/workspace/c ellie@ellies-dev-dumpster: -/workspace/c ellie@ellies-dev-dumpster: -/workspac × ellie@ellies-dev-dumpster: -/tmp/enam
                                                         -----> $ python manage.py collectstatic --noinput
162 static files copied to '/tmp/build_ebd2463f/staticfiles', 18 unmodified.
                                                                     -----> Discovering process types
Procfile declares types -> web
```

```
ellie@ellies.dev.dumpster.-/workspace/. ellie@
```

1.4.2 Install App on Shopify

Grab the link from the Merchant Link page in the app overview in the Partners portal



Follow the steps. You should be eventually redirected to the installed app page:



Development

2.1 Local Development

For local development, after the app has been successfully, you need the shopify app token to run locally. export SHOPIFY_TOKEN='./bin/get_token.py' this can also be added directly to .env (this file is explicitly ignored by git) ./manage.py runserver

2.2 Further Development

This section is left blank as an exercise for the reader. Should you require assistance, refer to your nearest python expert

