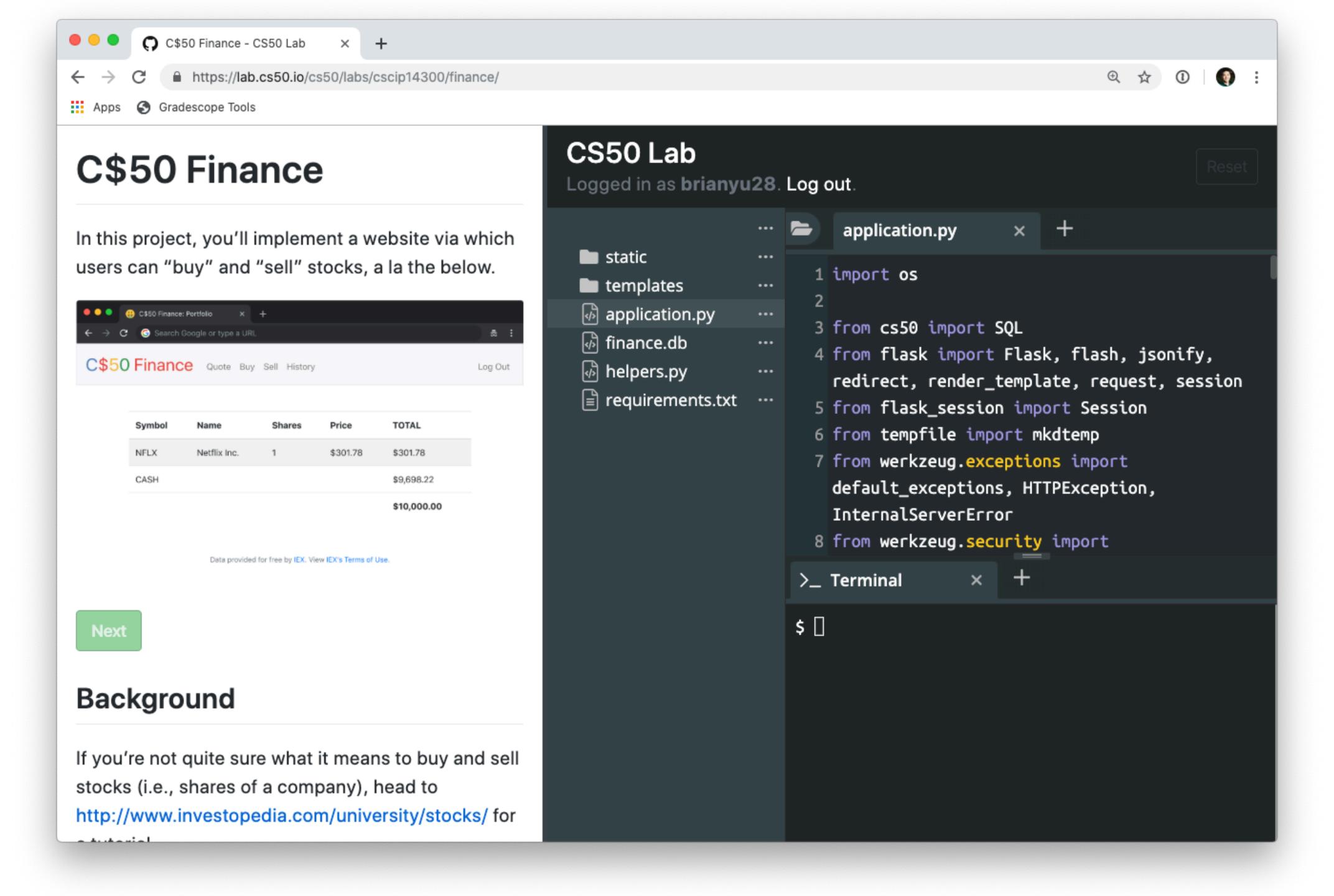
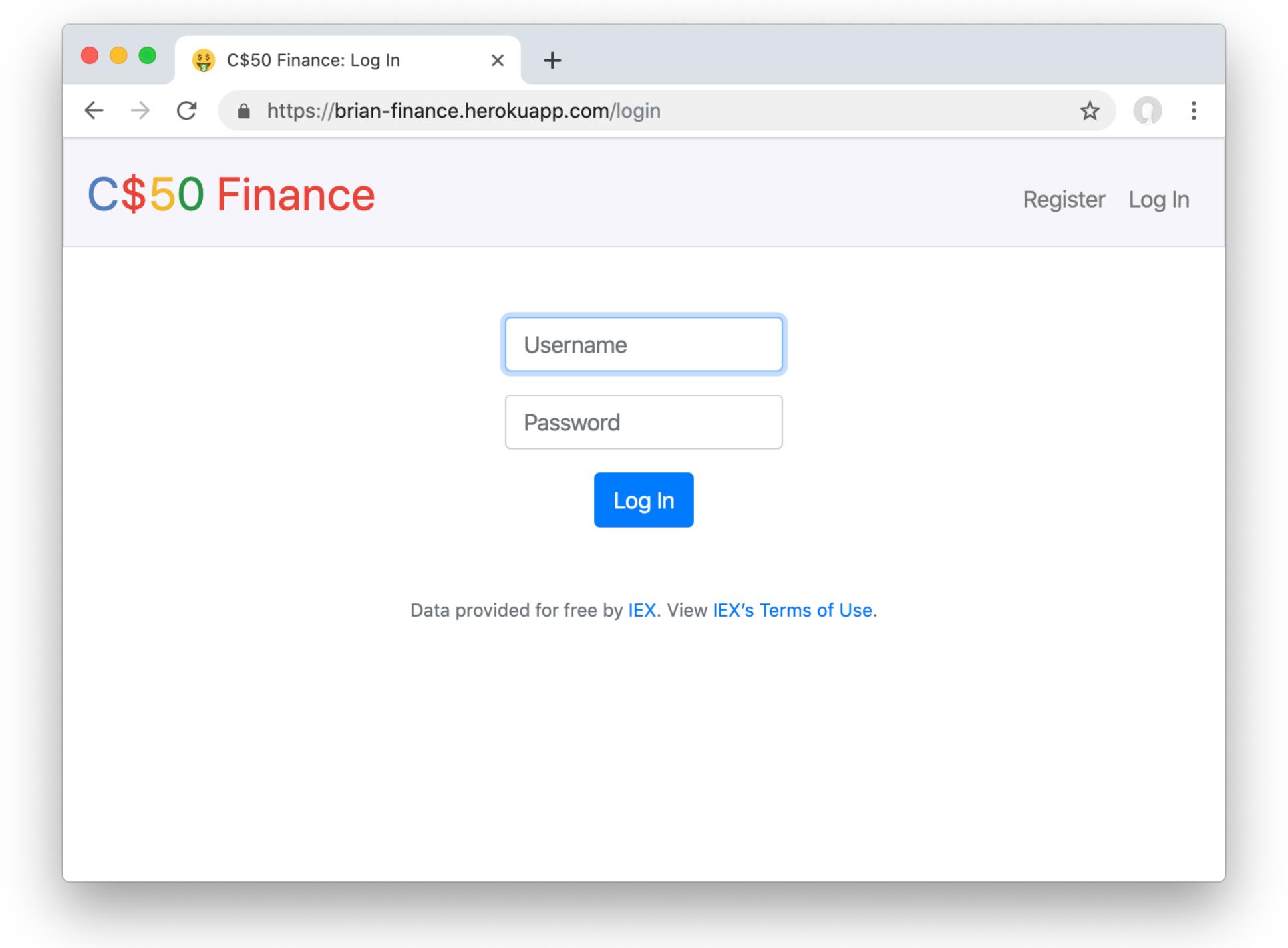
#### From Harvard to Heroku

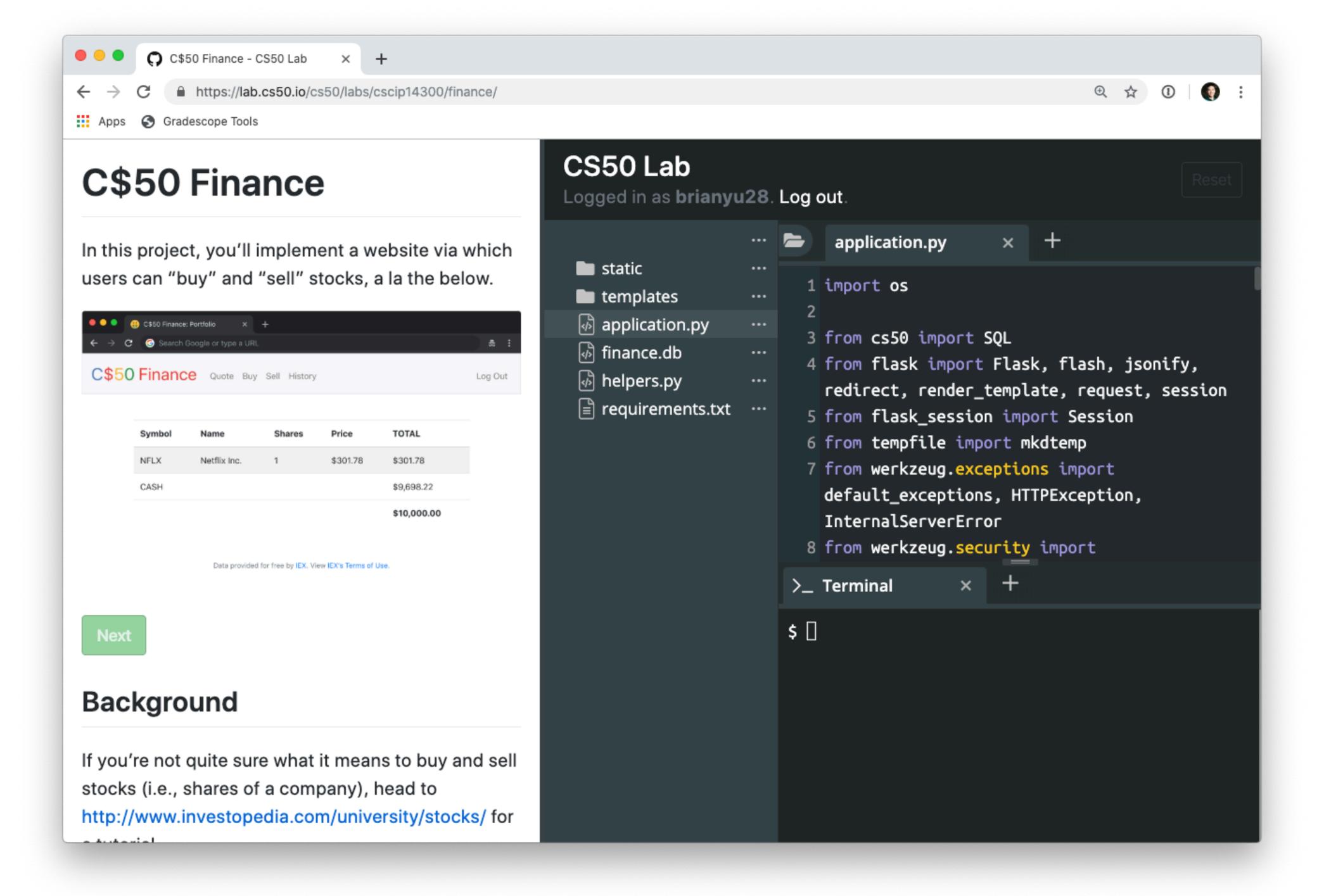
CSCI P-14300 July 5, 2019

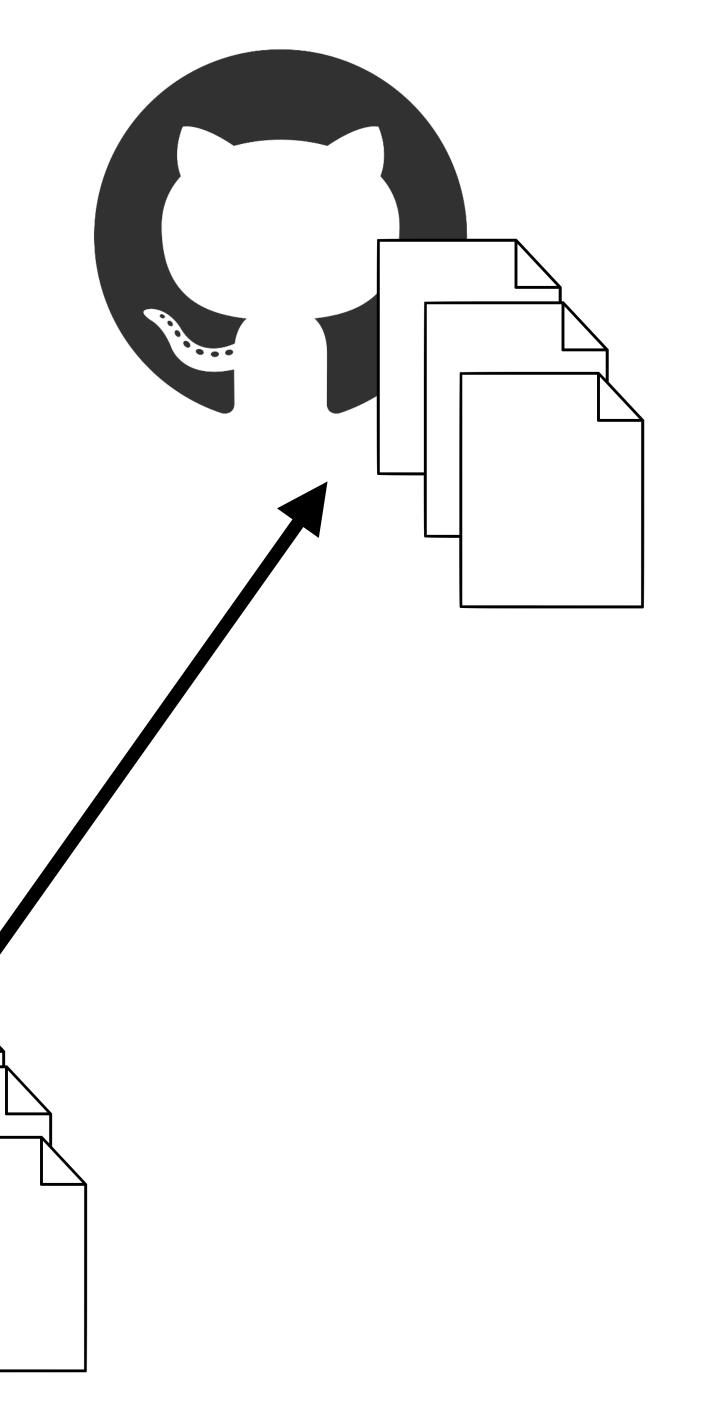
Brian Yu brian@cs.harvard.edu











Push code

to GitHub.

3 from cs50 import SQL

• • C\$50 Finance - C\$50 Lab × +

In this project, you'll implement a website via which

If you're not quite sure what it means to buy and sell

stocks (i.e., shares of a company), head to http://www.investopedia.com/university/stocks/ for

users can "buy" and "sell" stocks, a la the below.

CS50 Lab

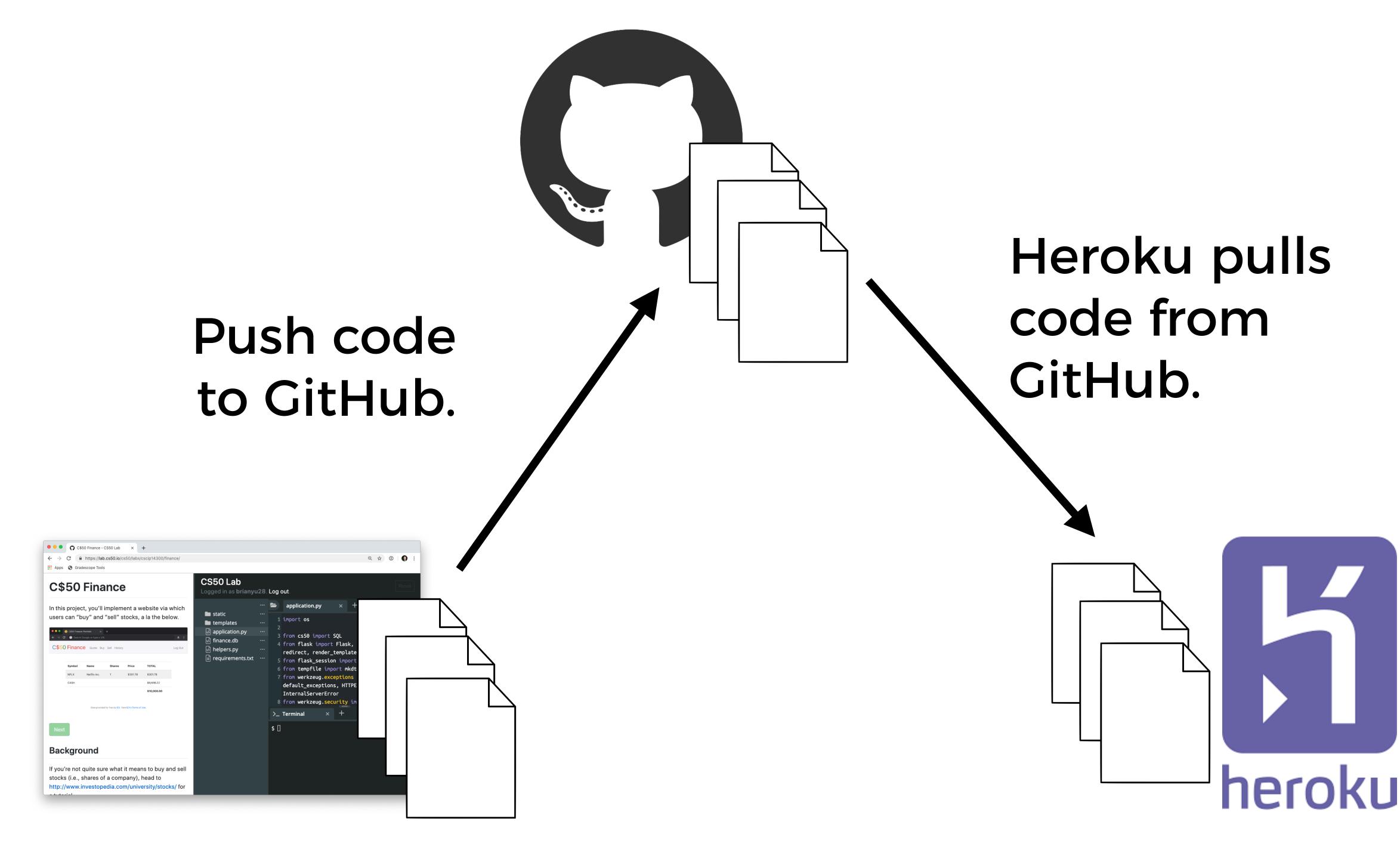
static

Apps 🔇 Gradescope Tools

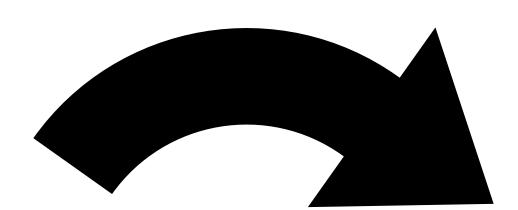
Background

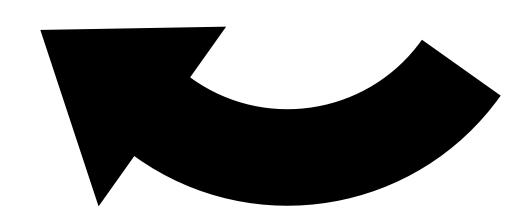
C\$50 Finance

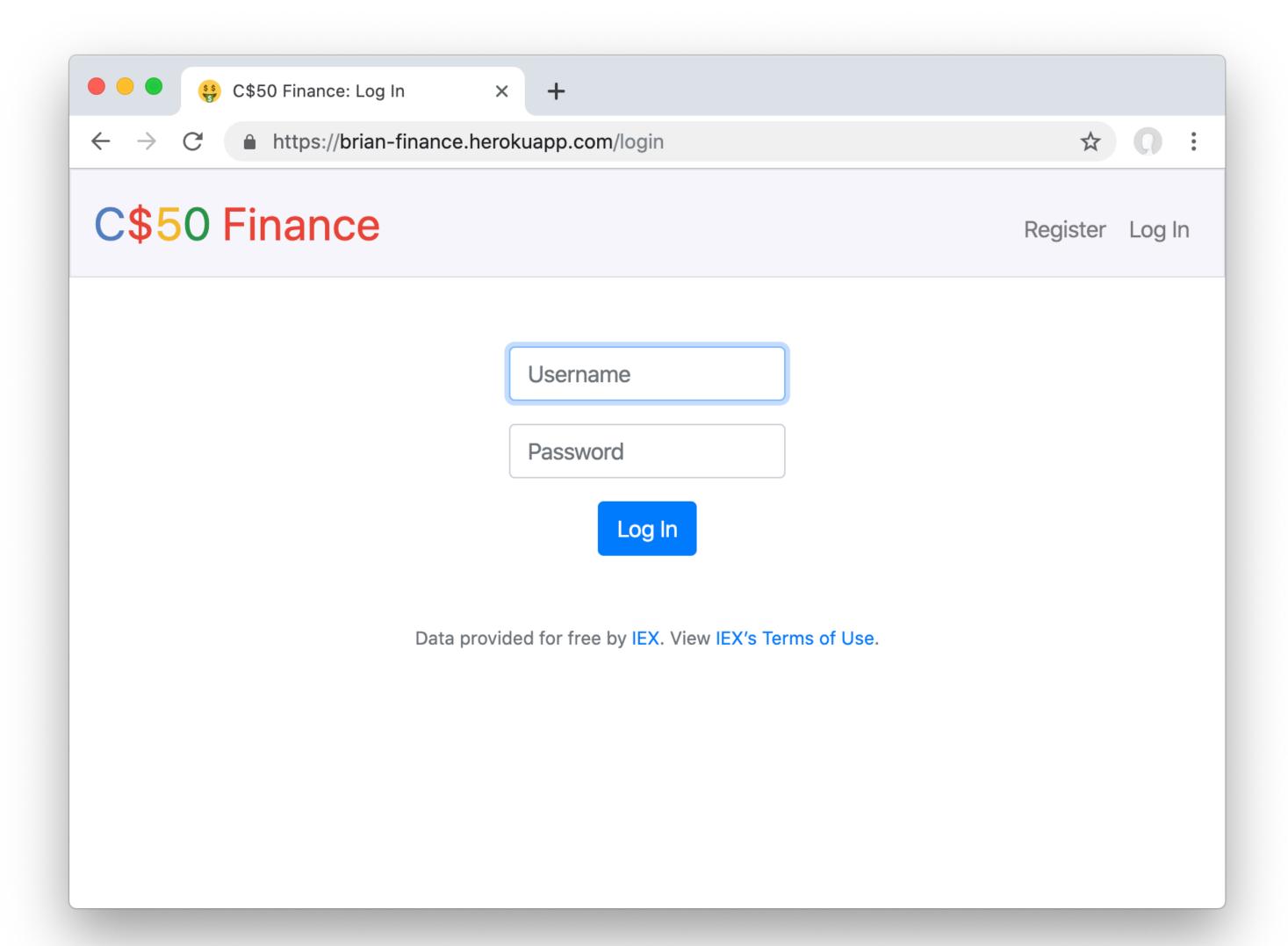








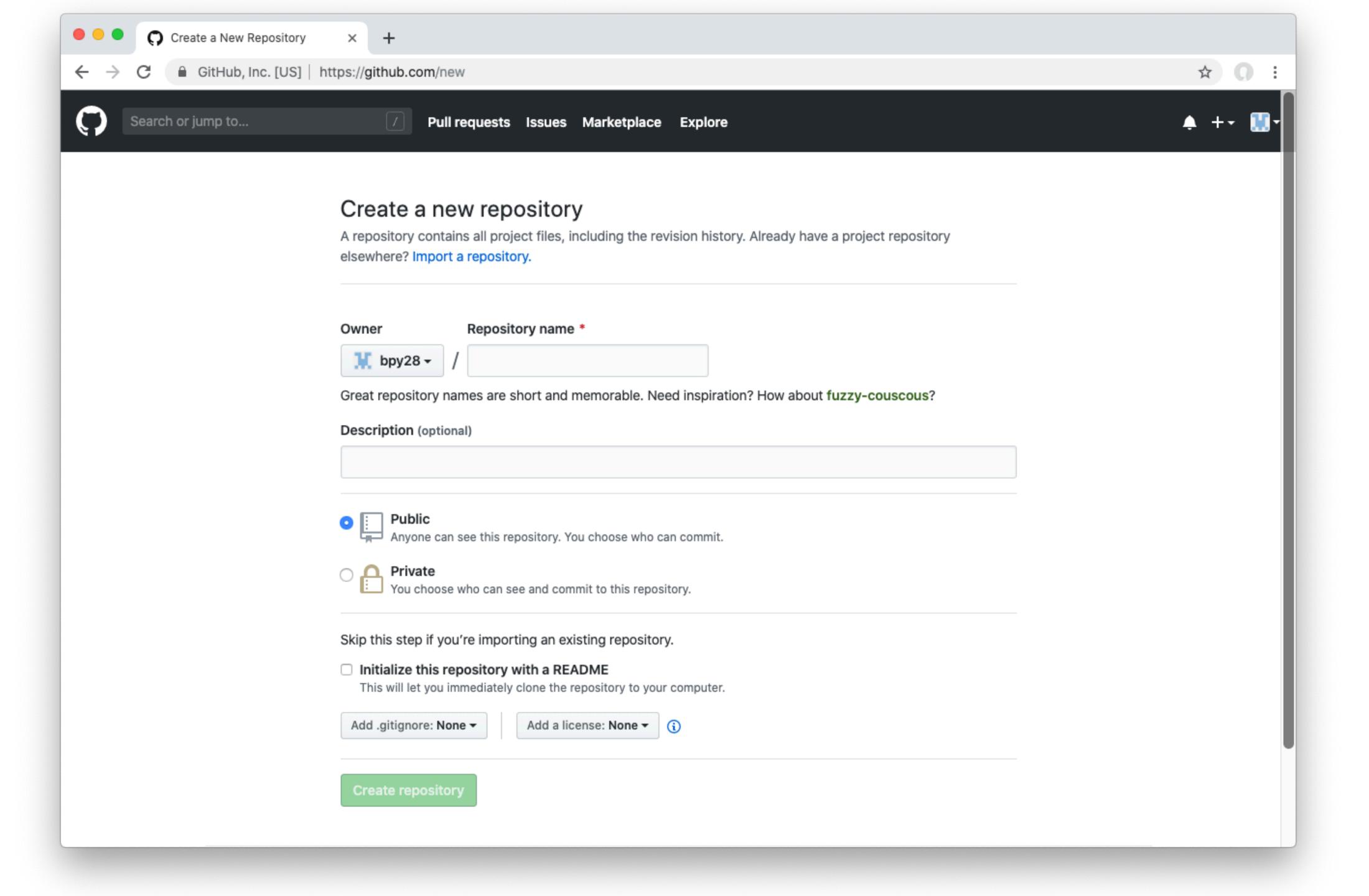


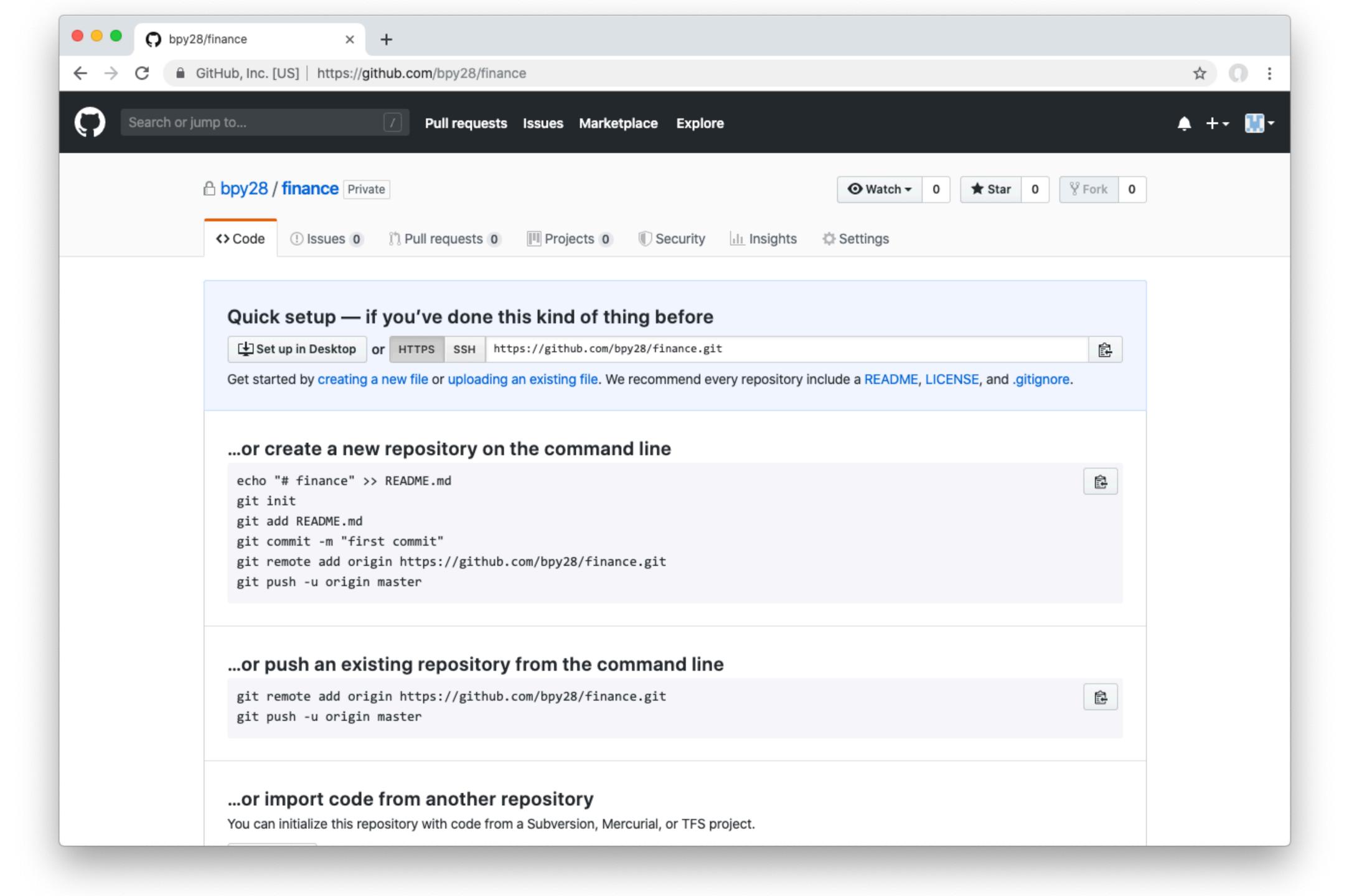


# Deploying to Heroku

## Create a CitHub repository

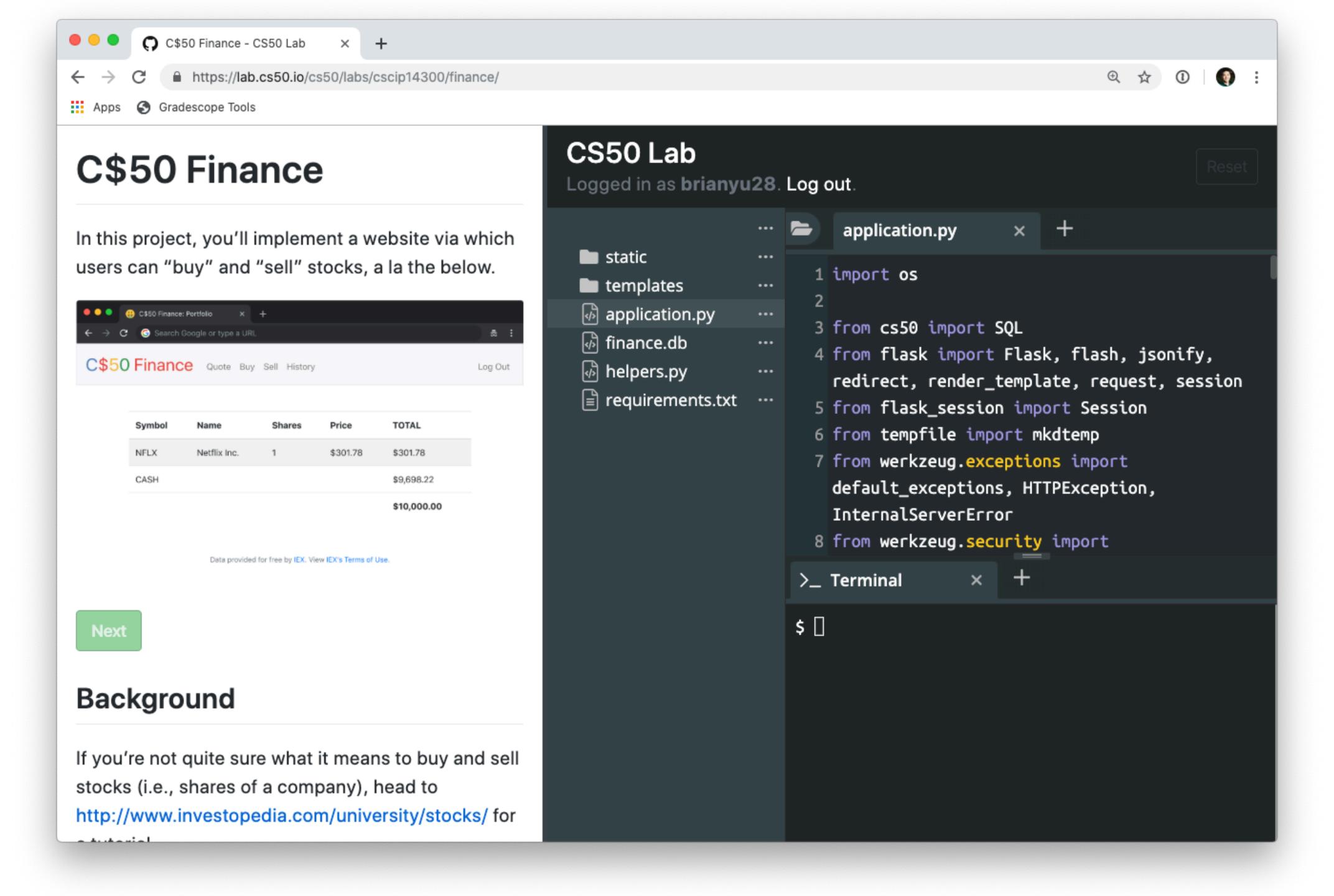
## https://github.com/new





#### Push code to GitHub

# https://lab.cs50.io/cs50/ labs/cscip14300/finance/



```
$ git init
```

Make this a git repository.

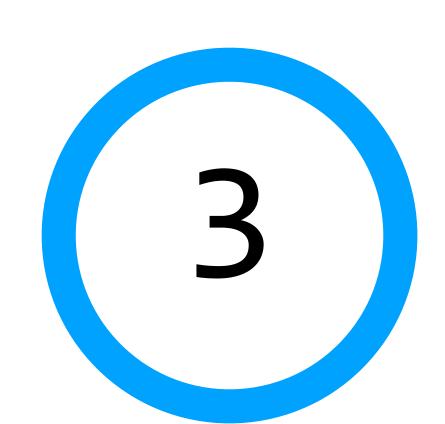
```
$ git add *
```

Add all files.

```
$ git commit -m "First commit" Save changes.
```

\$ git remote add origin
https://github.com/USERNAME/REPO.git

\$ git push -u origin master Push code online.



## Add Procfile to repository

# 8 unicorn

### Procfile

web: gunicorn -w 1 application:app

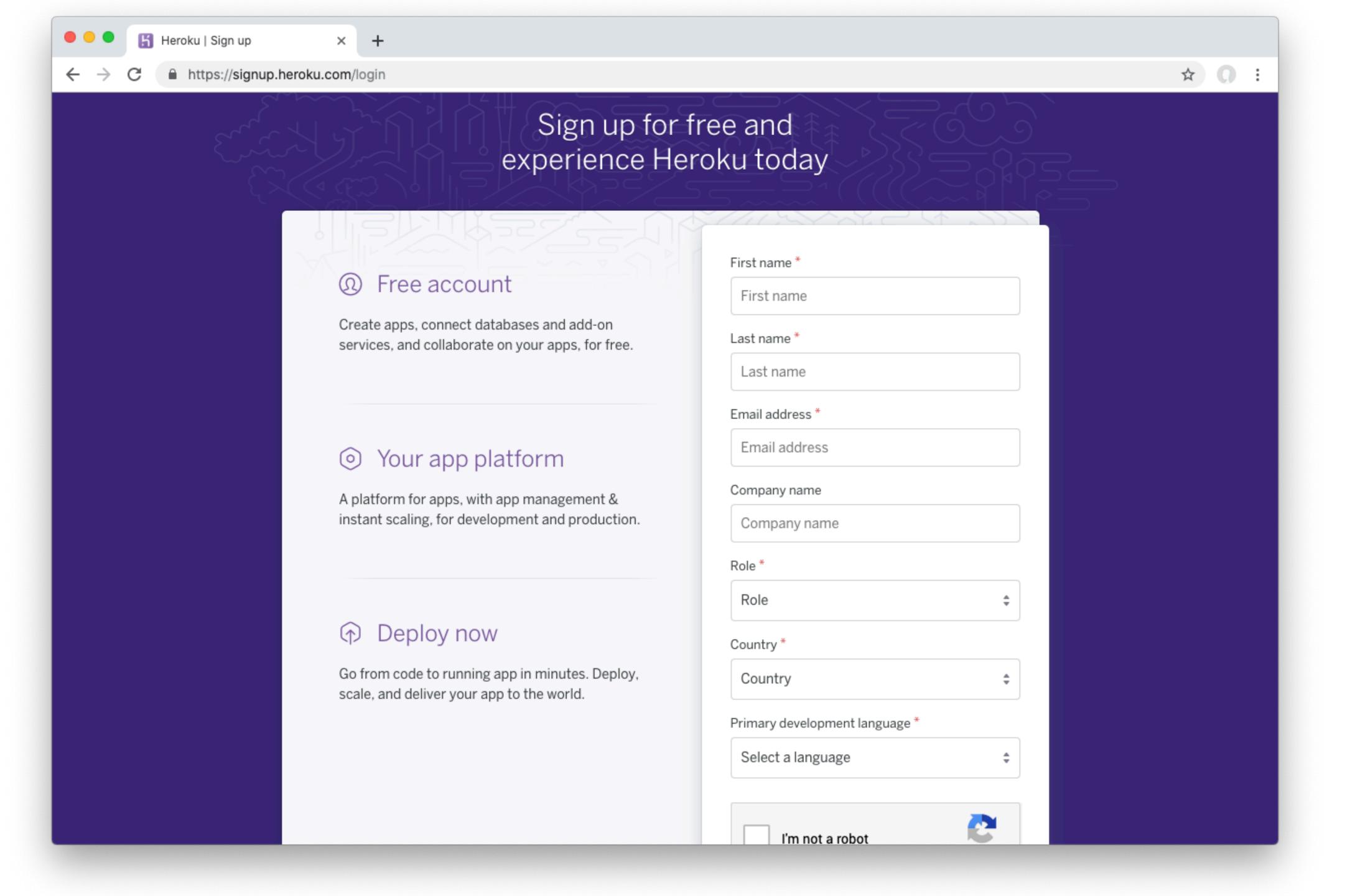
# requirements.txt

```
gunicorn
```

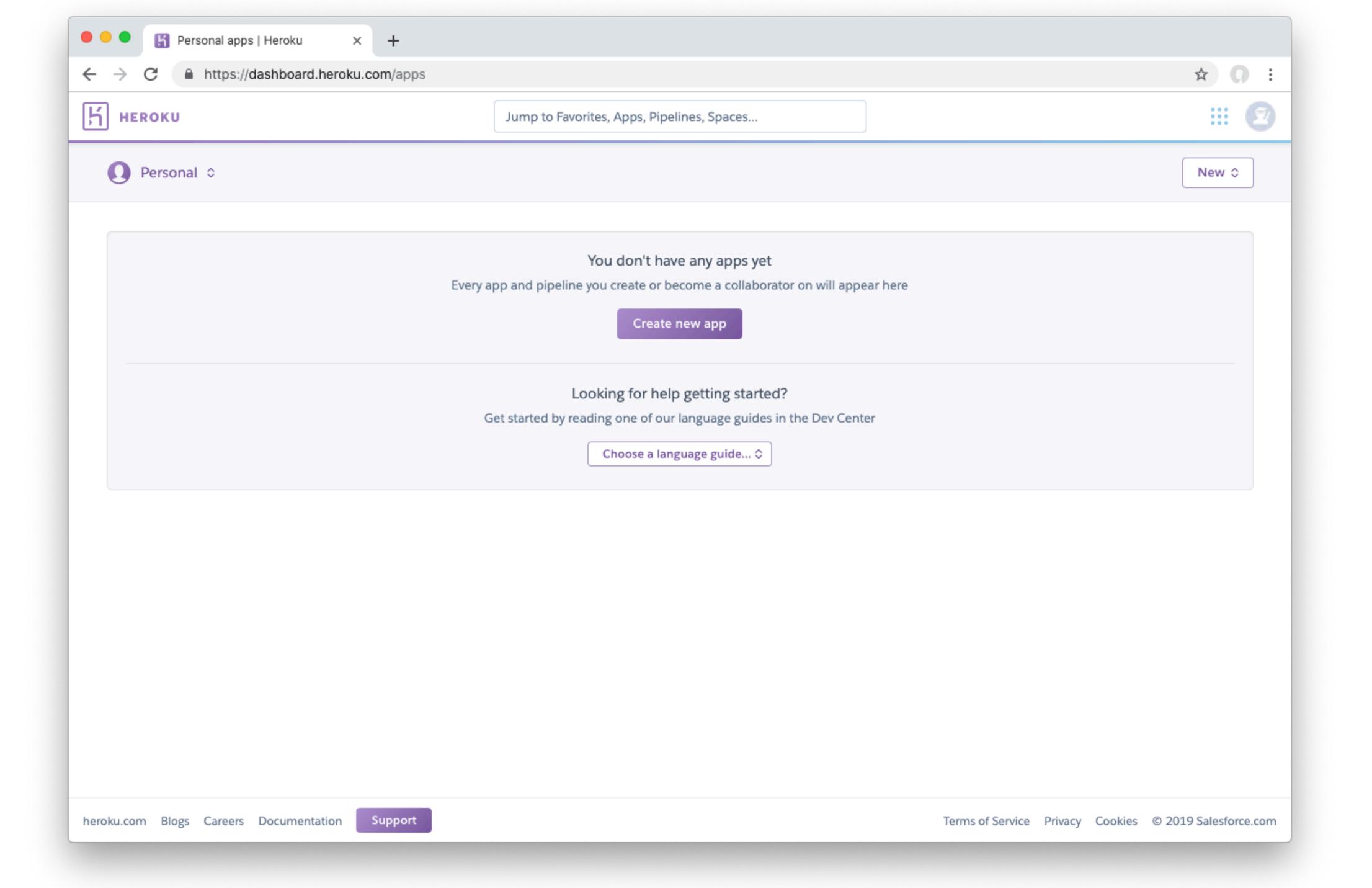
```
$ git add Procfile
$ git add requirements.txt
$ git commit -m "Add Procfile"
$ git push
```

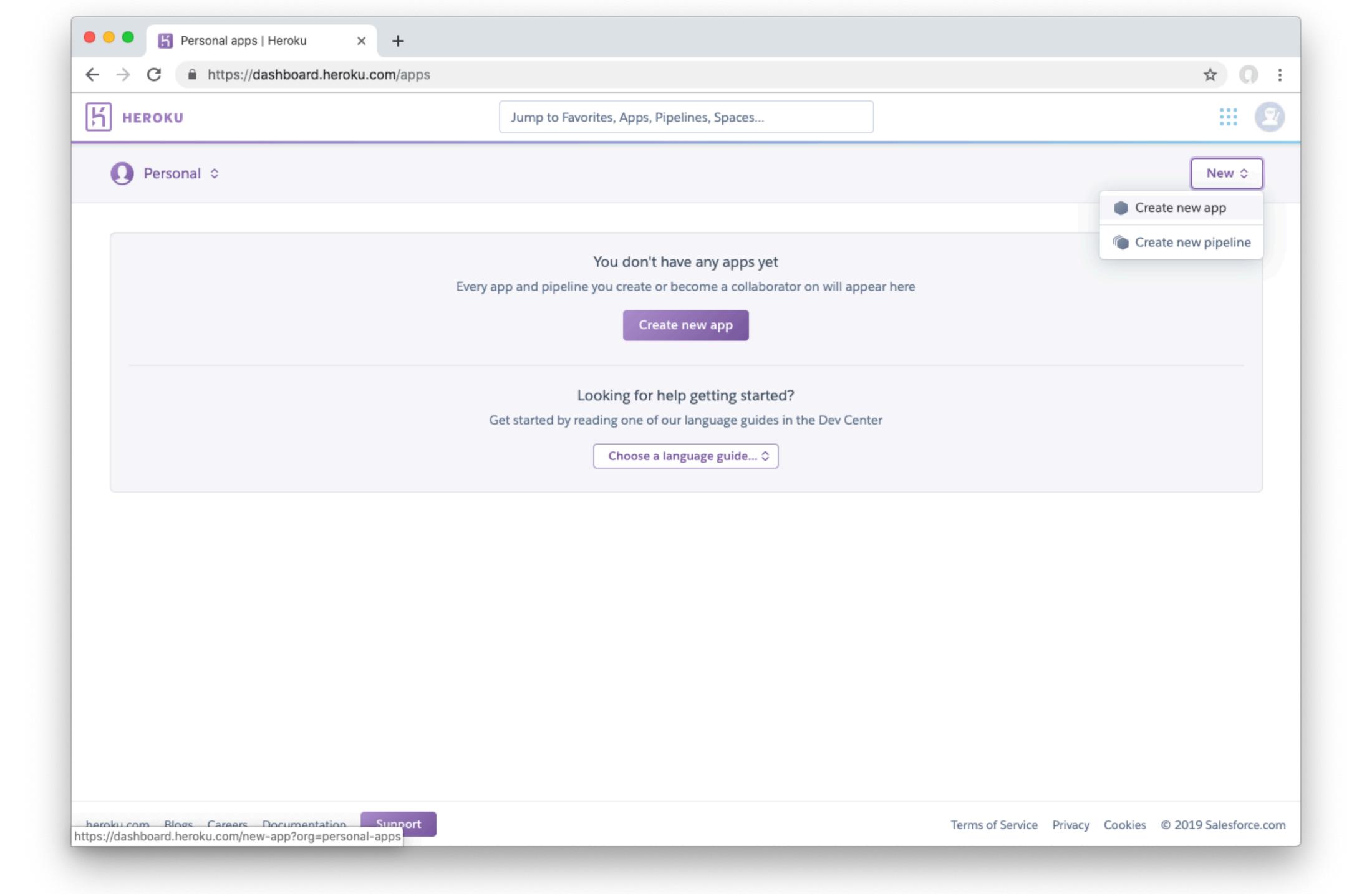
## Sign up for Heroku

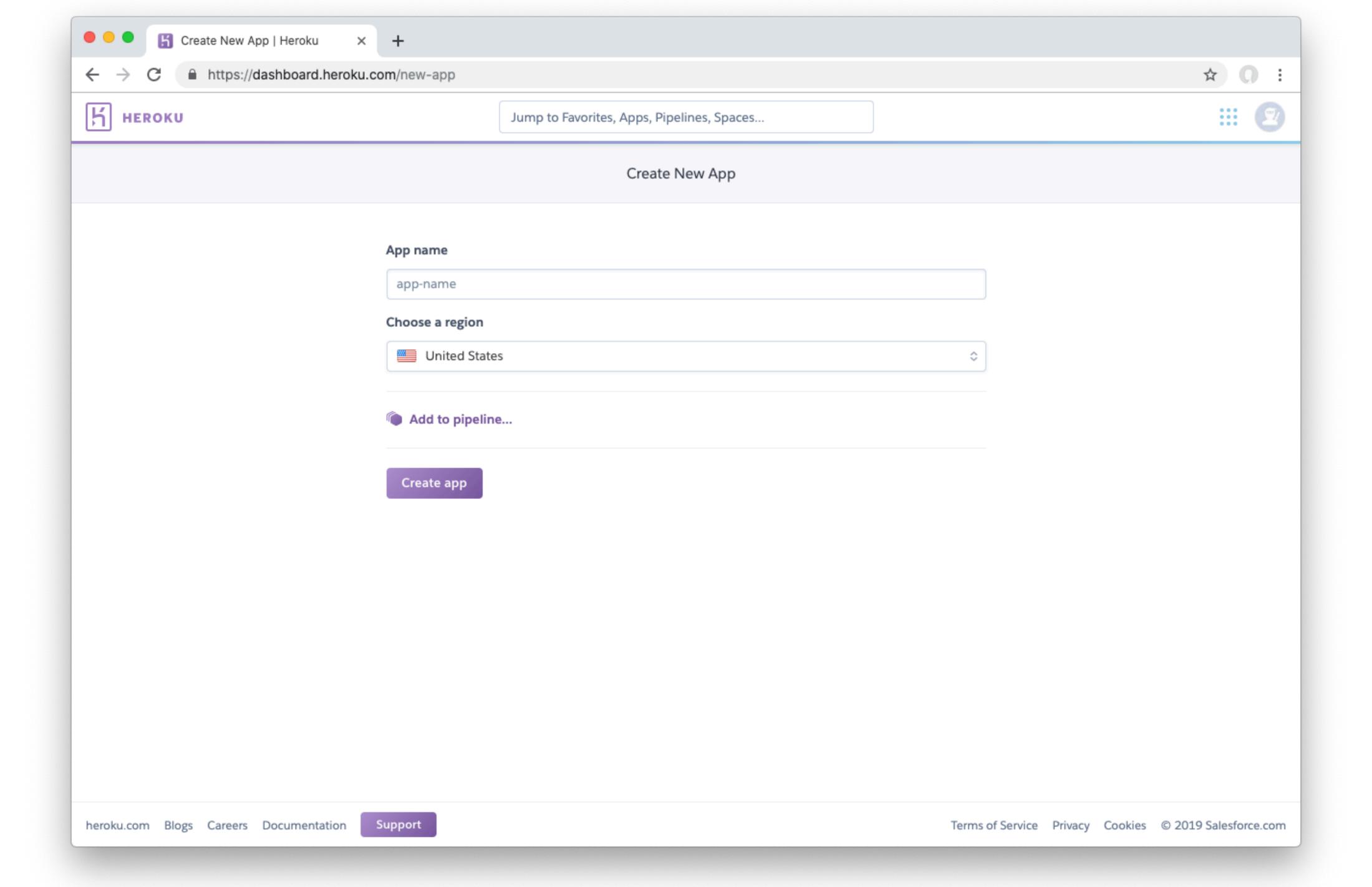
### https://signup.heroku.com/



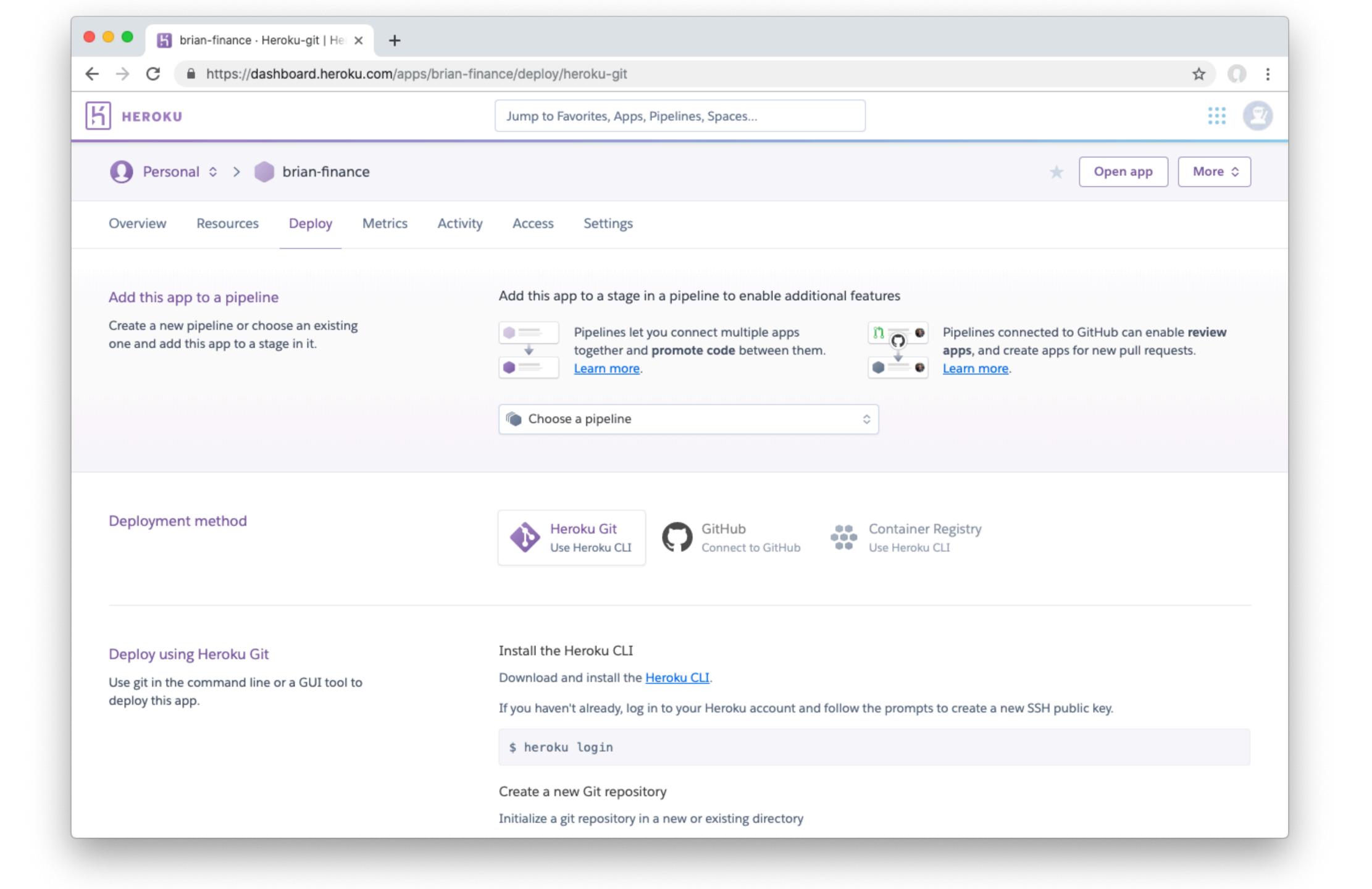
## Create a Heroku app

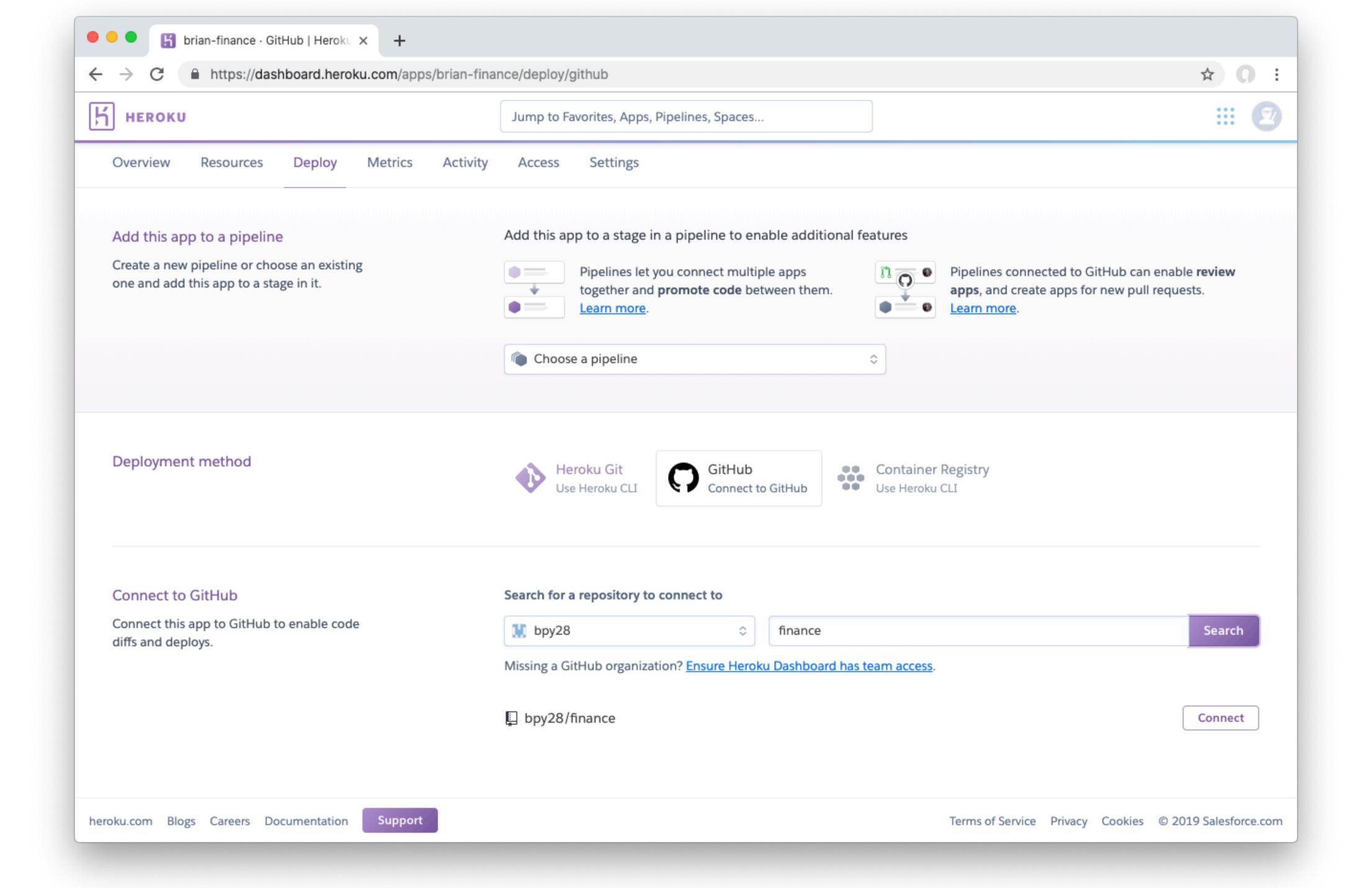




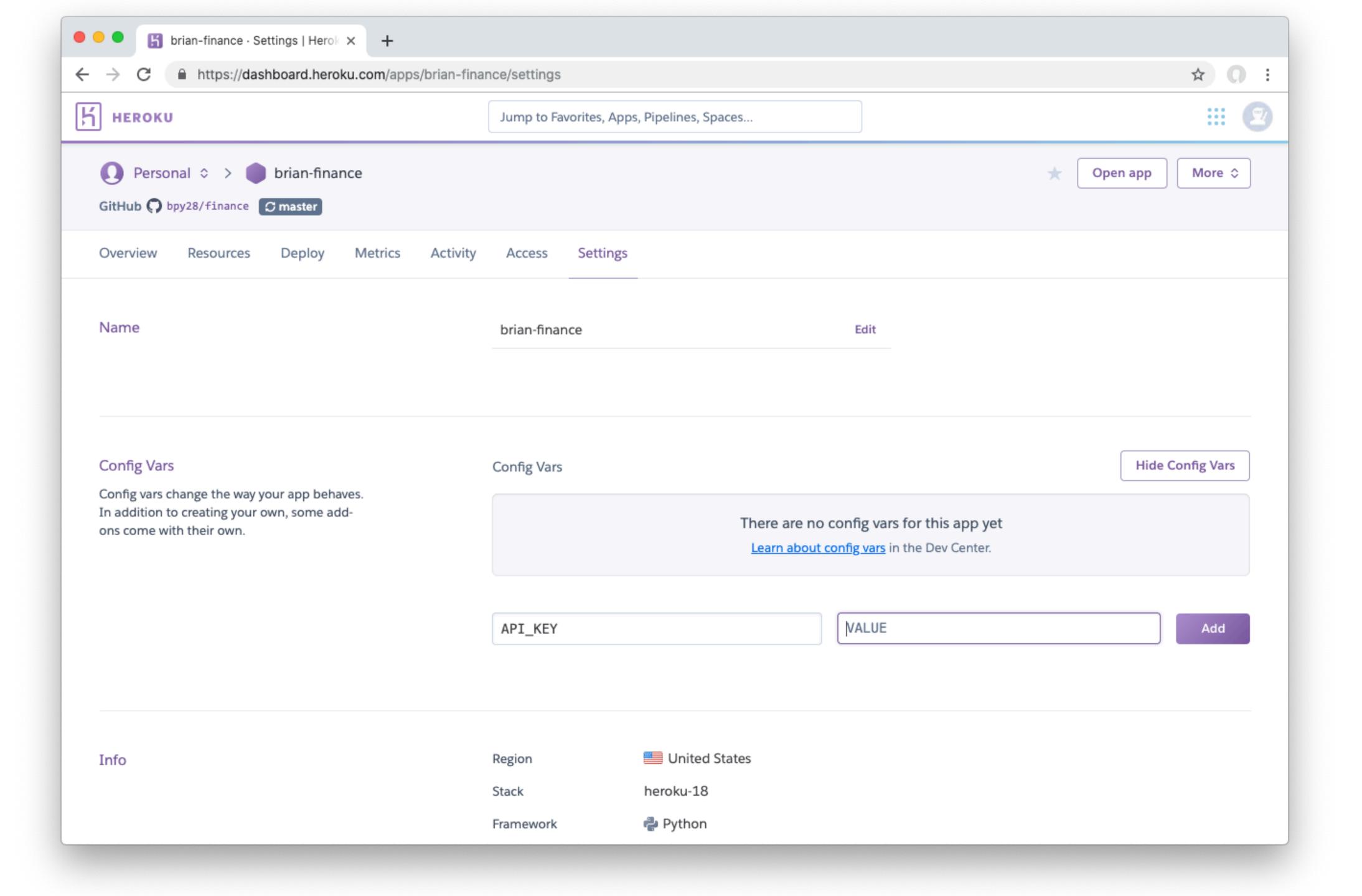


#### Connect Heroku to GitHub

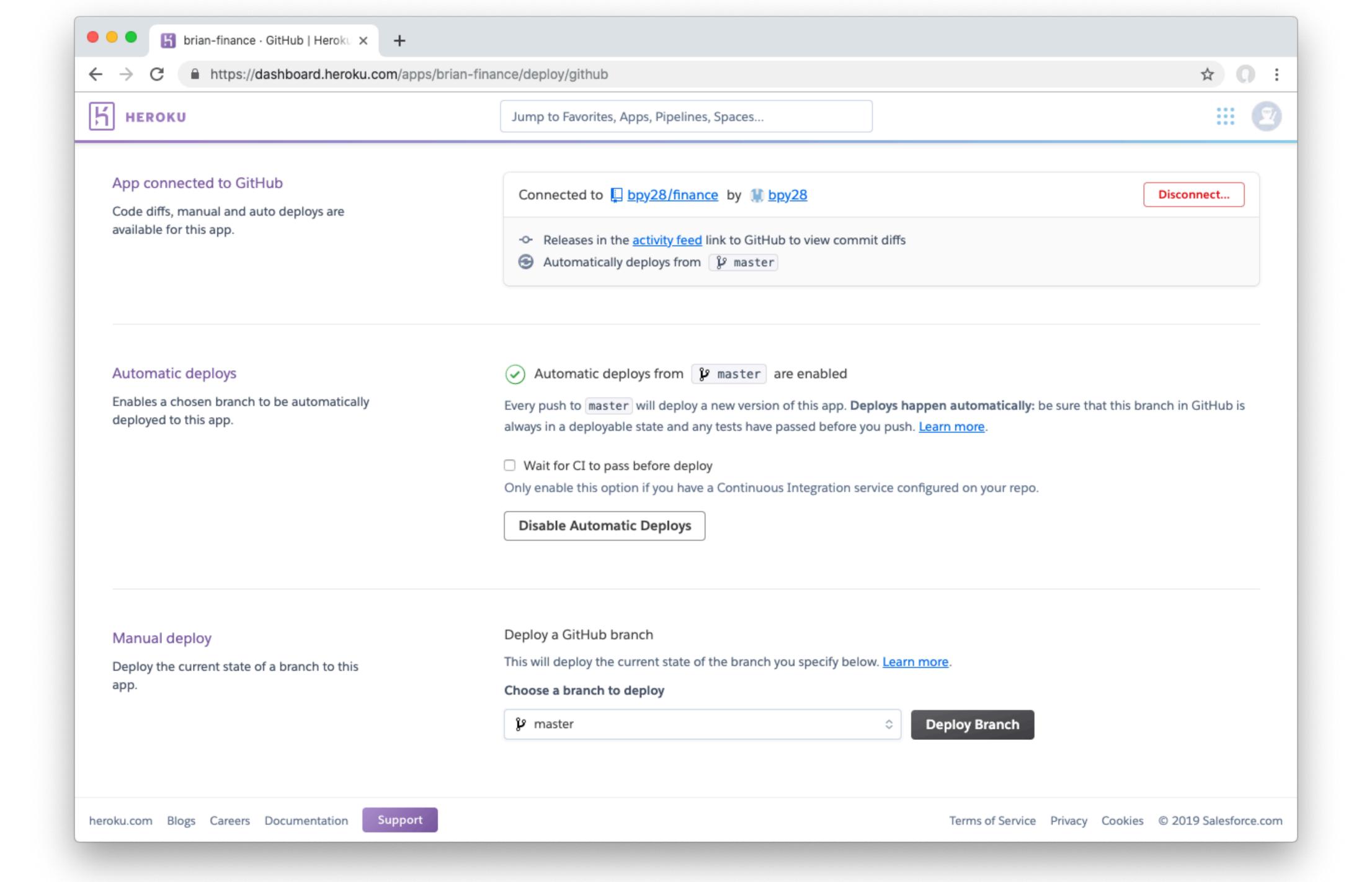


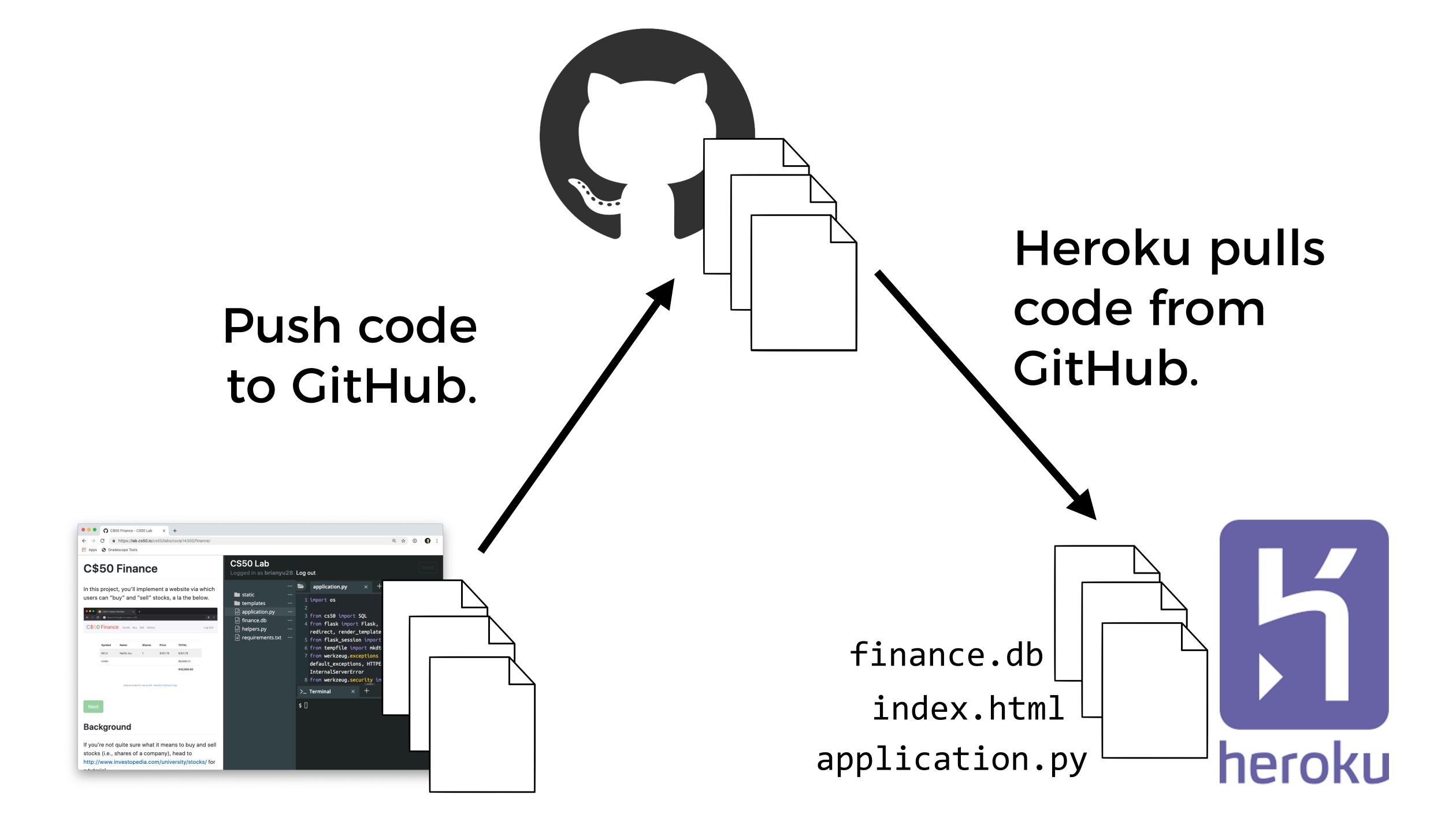


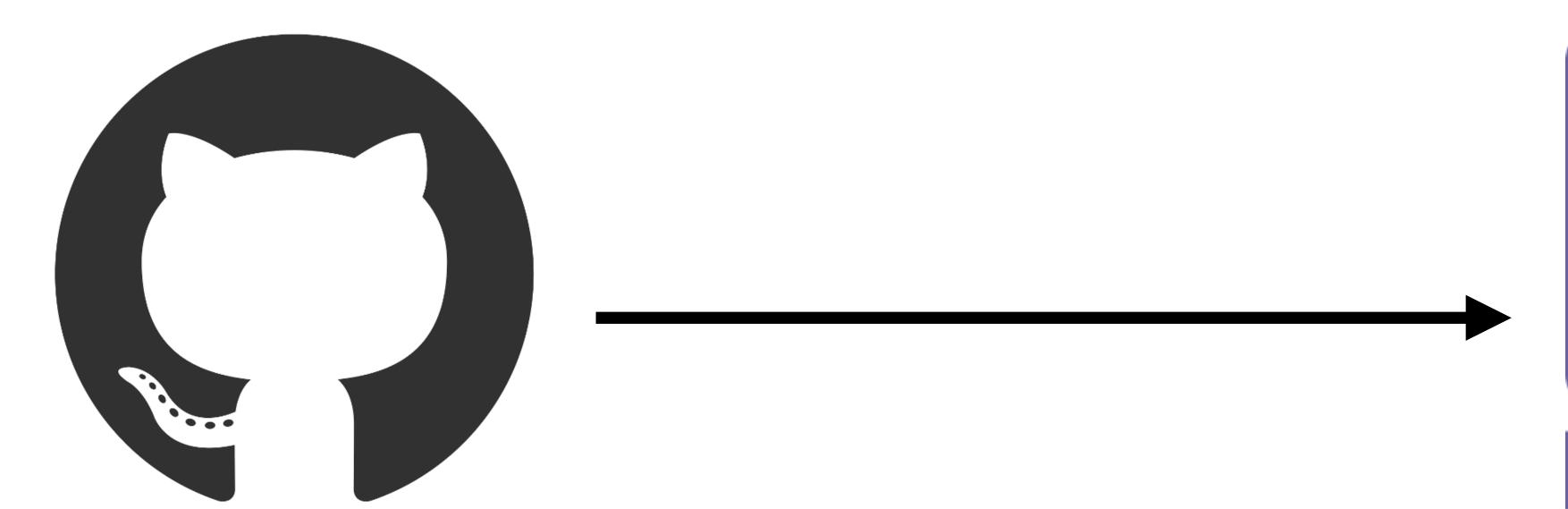
## Add API\_KEY to Heroku



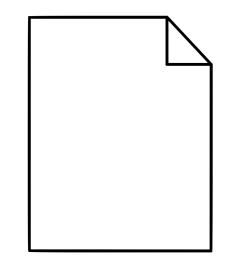
# Deploy application







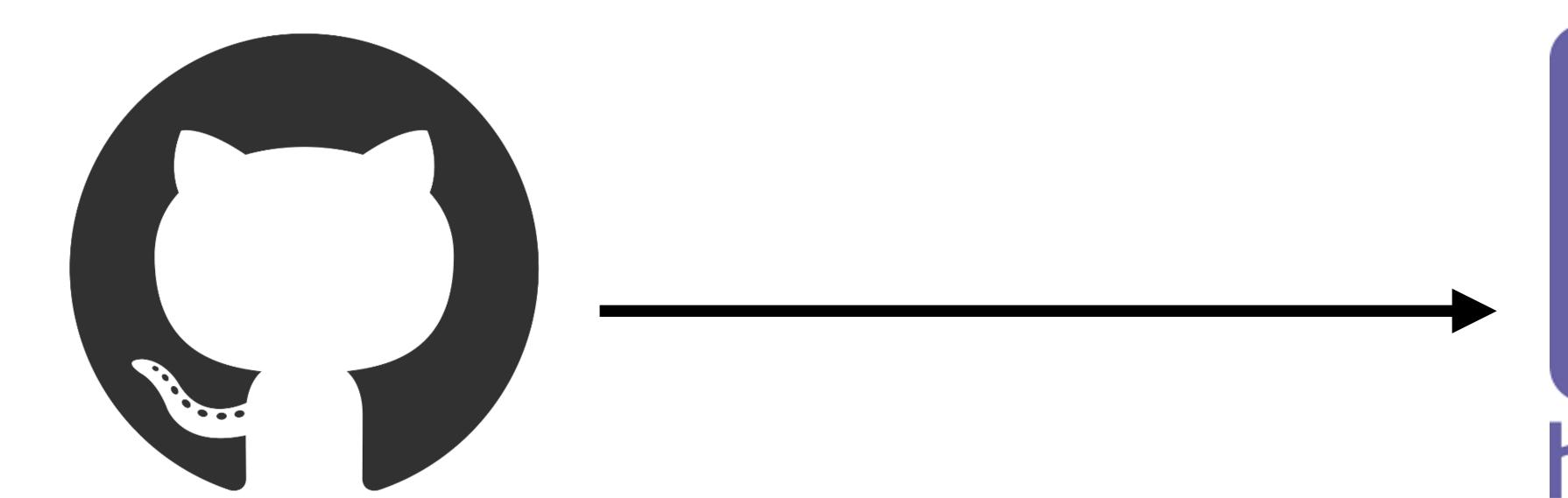




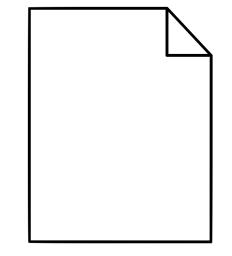
finance.db

user1 user2 user3

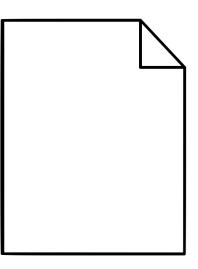
finance.db





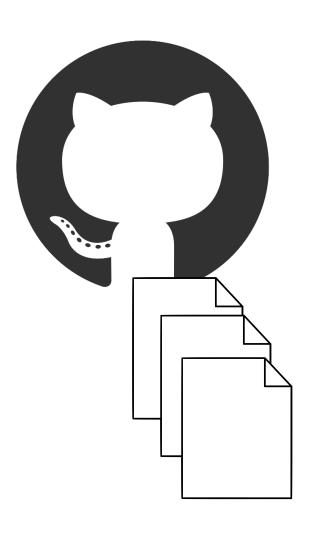


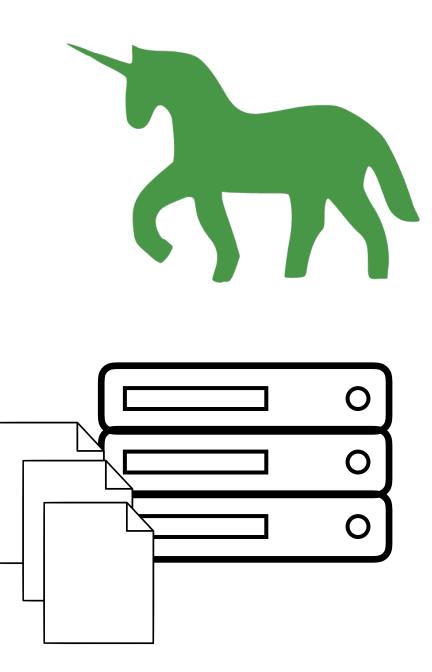
finance.db



finance.db



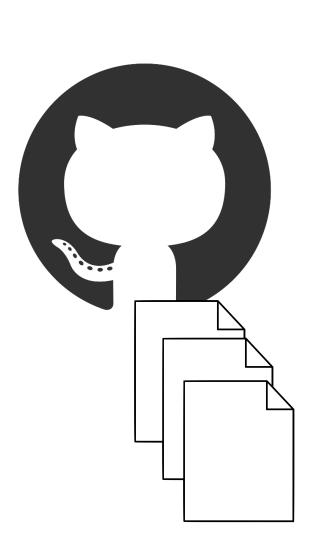


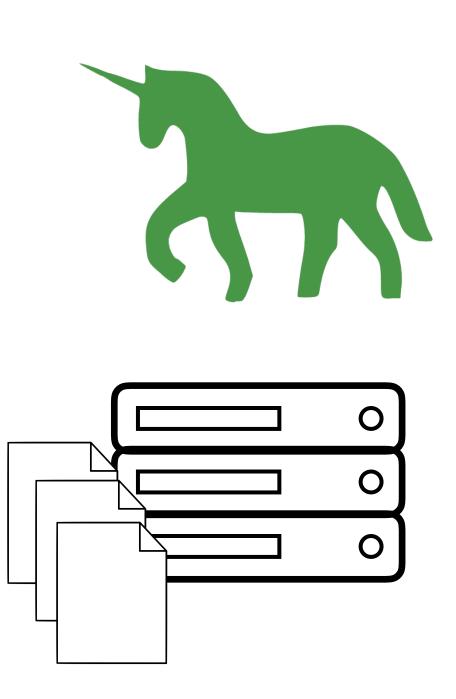


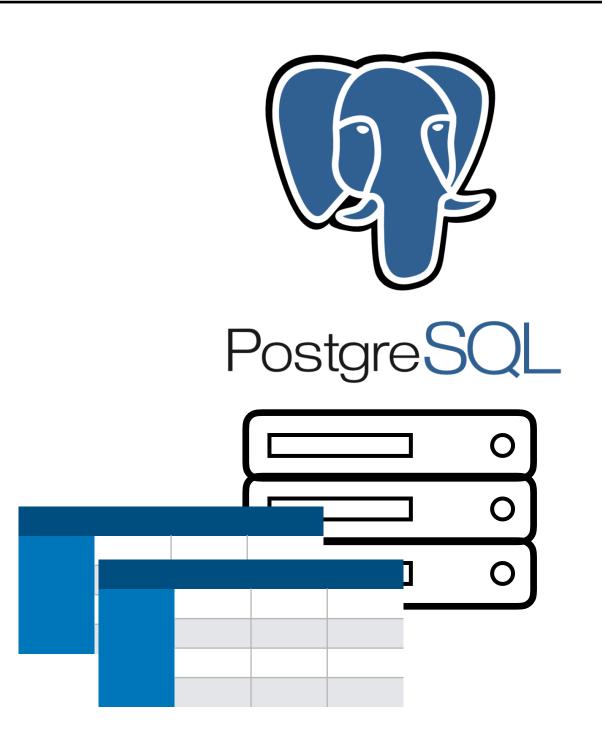




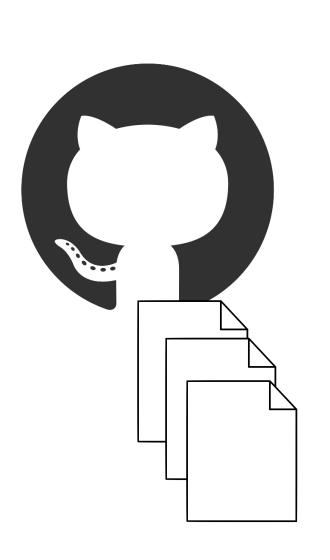


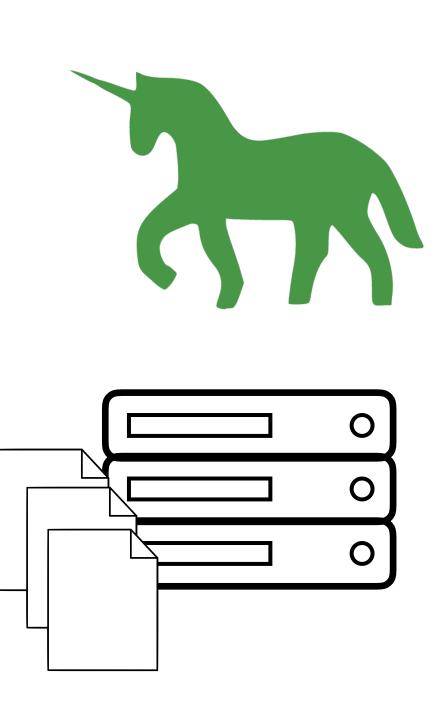


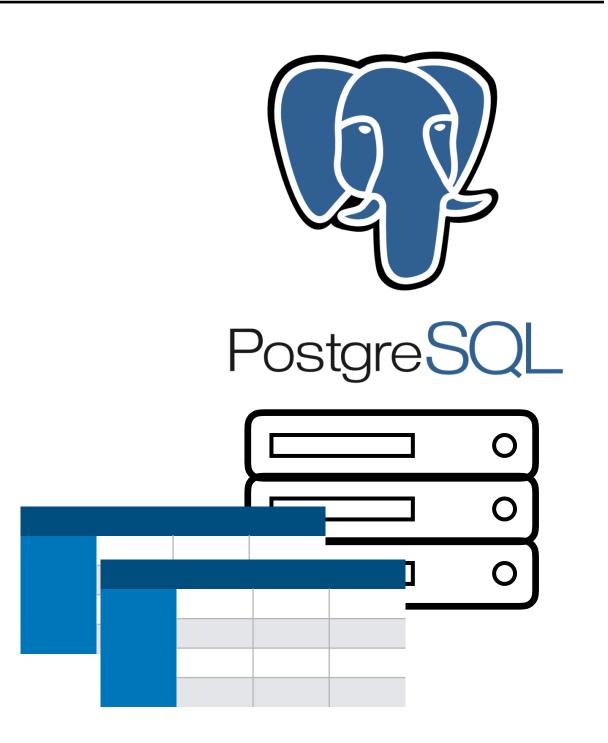












## Setting up PostgreSQL

- Create a new PostgreSQL database in Heroku's Add-Ons.
- Add tables to the database.
- Have your application use the PostgreSQL database instead of SQLite.

#### From Harvard to Heroku

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