GE 02 Technical Documentation

Logan Lassiter

Naomi Rodriguez

Irving Reyes Bravo

Table of Contents

Getting Started

2.1 Create Virtual Environment and Django Project

These instructions show examples of working on a Mac for the commands. Note how you must run the commands in your environment.

Activation and Installation of Django 4.2

1. Open the terminal and check your python version.

- Inside of the terminal, enter these commands:

```
$ python3 --version
```

You should be using python version 3.11

```
[loganlassiter@Logans-MacBook-Air portfolio % python3 --version
Python 3.11.7
```

- Inside of the portfolio directory, run commands:

```
$ source djvenv/bin/activate
$ pip install Django==4.2
$ python -m django --version
```

These commands will let you activate the Django virtual environment, install Django version 4.2, and confirm that you have the right version installed

```
loganlassiter@Logans-MacBook-Air portfolio % source djvenv/bin/activate
(djvenv) loganlassiter@Logans-MacBook-Air portfolio % pip install Django==4.2
Collecting Django==4.2
```
```
[(djvenv) loganlassiter@Logans-MacBook-Air portfolio % python -m django --version
4.2
```

2.2 Create Local Git and Github Repository

1. Prepare existing local directory to be added to GitHub

- If you do not have an existing local directory to use for your Github repository create one

```
$ mkdir [directory-name]
```

```
(djvenv) loganlassiter@Logans-MacBook-Air cs3300 % mkdir cs3300-individual
(djvenv) loganlassiter@Logans-MacBook-Air cs3300 % ls
CS3300-Team-Repository  GE01                    GE02                GithubKey           cs3300-individual
```

Here is a guide to [create a repo from an existing local directory](#)

- Use the following commands (if you run into trouble revert to linked guide):

```
$ cd [your-local-directory]
$ git init -b main
$ touch .gitignore
$ git add .
$ git commit -m "First commit"
```

1. change directory to the local directory you want to use for your repo
2. initialize the main branch
3. create .gitignore file (more on .gitignore below)
4. stage the files for initial commit
5. commits/saves changes and prepares them to be pushed

```
(djvenv) loganlassiter@Logans-MacBook-Air cs3300 % cd cs3300-individual
(djvenv) loganlassiter@Logans-MacBook-Air cs3300-individual % git init -b main
Initialized empty Git repository in /Users/loganlassiter/UCCS/Spring 2024/CS3300/cs3300-individual/.git/
(djvenv) loganlassiter@Logans-MacBook-Air cs3300-individual % touch .gitignore
(djvenv) loganlassiter@Logans-MacBook-Air cs3300-individual % git add .
(djvenv) loganlassiter@Logans-MacBook-Air cs3300-individual % git commit -m "First commit"
[main (root-commit) 6ea79b7] First commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 .gitignore
```

2. Create and link GitHub repo with local directory.

- Create a new repository on GitHub.com
  - Make the repository private
  - Do not initialize ReadMe, license, .gitignore files
  - You may need to setup authentication with GitHub, follow the HTTPS guide [here](#)
- Copy the repository URL and open your local project directory in the terminal.
- Use the following commands:

```
$ git remote add origin [copied-repo-URL]
$ git remote -v
```

1. links local directory to GitHub Repo
2. verifies link was successful

```
(djvenv) loganlassiter@Logans-MacBook-Air cs3300-individual % git remote add origin https://github.com/loganllassiter/cs3300-individual.git
(djvenv) loganlassiter@Logans-MacBook-Air cs3300-individual % git remote -v
origin  https://github.com/loganllassiter/cs3300-individual.git (fetch)
origin  https://github.com/loganllassiter/cs3300-individual.git (push)
```

3. Push changes in local directory to GitHub.com

- Run the following command:

```
$ git push -u origin main
```

2.3 Create Portfolio App

2.4 Define URI path and view

2.5 Create HTML Template

2.6 Add static files