# General

* Use “python” for python commands
* Tip: I like to have 3 terminal windows tabbed: one for
  + venv to run commands
  + venv starting server and stopping server
  + git/github commands
* Here is how to [Reset Database in Django](https://www.delftstack.com/howto/django/django-reset-database/) if you can’t do the deletions above due to database issues. Depending on the data you delete from the tables you may need to restart the server and create a new superuser and . Don’t worry if the database gets messed up as this happens when developing an app and working with a database. That is why you have a local database associated with your own development environment.
* Read [Django One-To-Many Relationship](https://www.pythontutorial.net/django-tutorial/django-one-to-many/). If you come across the following when migrating you may need to do option 1 to fix the situation.

It is impossible to add a non-nullable field 'portfolio' to student without specifying a default. This is because the database needs something to populate existing rows.

Please select a fix:

1) Provide a one-off default now (will be set on all existing rows with a null value for this column)

2) Quit and manually define a default value in models.py.

# Setup

1. Set up folder
2. Navigate to folder in cmd or powershell
3. python -m venv djvenv
4. pip install django
5. python -m pip install –upgrade pip
6. django-admin startproject django\_project
7. Create repo in github desktop (create repo from existing directory)
8. pip freeze > requirements.txt

# Django

Navigate to D:\Main\Career\UCCS\Software Development\cs3300\portfolio

To run server:

1. djvenv\scripts\activate
2. python manage.py runserver
3. Navigate to <http://localhost:8000/> or [127.0.0.1:8000](http://127.0.0.1:8000)

To Migrate:

1. python manage.py makemigrations
2. python manage.py migrate

Model Manager:

* student.objects.all()