Bootstap is framework for java script

Digital

Create

Read

Update

Delete

Crud

Idea was to manipulate articles, store them on database- python (or django)

Manipulates data w a database

Foreign key takes one table and connects it to another

Each id is connected but each foreign key connects the ids

Everytime you want to start the project on the comp you have to start a virtual environment 🡪 (env)

Install django with pip

Pillow= python library for images

Cannot store or manipulate images in python without pillow

We have to create a special file (requirements, txt file) for us to know what versions we have

Go through whole process over and over again

Manage.py- a manager, working tool, everytime u wanna do a command w django you have to do python, manage, & command (manage.py)

URLs act as a trigger

\*how a user can give commands to a controller

django comes w a built in server (for development, to do something and check how it works)

error says-

you don’t need to create a new table for a new user (user has some kind of attribute – name, email, last name, password, & level of authorization (permissions))

django provides a basic template

everyone can be a user but you’re the one who can manage it and give permissions to users

migrations-

2 commans remember – **migrate** (do some action with database, create fields for attributes) & **make migrations** (create a blueprint, action for database, only have to do with stuff you created)

2 things you have to do with django)

response to error🡪 copy & paste ip address to local server (safari, chrome)

have to apply migrations so django can place certain templates (admin, authorization)

need to type manage.py to do anything at all

migrating something writes stuff into a database

SECRET\_KEY means only person who has it can work with this particular project

Best thing to do is to save the secret key to some kind of file

Errors are very informative (page not found)

Apps= form of another folder, another world in the folder

When you create an app you have to add it to your file

Always add it to your installed apps (very important)

Urlpatterns = [

Trigger for functions

Idea is to keep code clean at all time

When you create an app you create a separate url file for the app

Good practice to have separate url file for each app

That takes you to the specific app

Creating an app

.py= a controller

all apps will be folders and end in “.py”

models.py – rule of thumb for making changes to app

any time you do changes to a table or database you have to apply migrations

urls.py

add new app to apps 🡪 go to settings, and enter ‘post’, (make sure you save it)

cd= change directory

cd Desktop = change directory to desktop

ls= list

\*watch how to install django with virtualenv (slack channel)

**HW- find a way to install virtual environment (in any project, globally)**

**Come early to next class for help**

**Google- how to install virtualenv on my mac**

**-make flashcards of all the commands**

**go to official django documentation (on django website)**

**have info on how to solve problems**

**read/ get familiar with “model field reference”**

**look at charfiled (know how to do this for next class)**

**\*idea of class is to know how to gather and search for information**

**then try to create a virtual environment and google the errors if you come across it**

**email him the error if we can’t figure it out before next class**

**email** [**art@zingpython.com**](mailto:art@zingpython.com) **to join slack channel and w questions/ errors**

**make git hab account (instructions on websites)**

CODE TO CREATE VIRTUAL ENVIRONMENT

Juliets-MacBook-Air:~ juliet$ cd Desktop

Juliets-MacBook-Air:Desktop juliet$ mkdir feb\_one

Juliets-MacBook-Air:Desktop juliet$ cd feb\_one/

Juliets-MacBook-Air:feb\_one juliet$ ls

Juliets-MacBook-Air:feb\_one juliet$ virtualenv env

--

Juliets-MacBook-Air:feb\_one Juliet$ ls

env

Juliets-MacBook-Air:feb\_one juliet$ source env/bin/activate

(env) Juliets-MacBook-Air:feb\_one juliet$ *this means it’s activated*

(env) Juliets-MacBook-Air:feb\_one juliet$ pip install django

Collecting Django

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(env) Juliets-MacBook-Air:feb\_one juliet$ pip freeze > requirements.txt

(env) Juliets-MacBook-Air:feb\_one juliet$ subl .

🡪 shows file type

(env) Juliets-MacBook-Air:feb\_one juliet$ ls

en requirements.txt

(env) Juliets-MacBook-Air:feb\_one juliet$

(env) Juliets-MacBook-Air:feb\_one juliet$