

## EXERCISE 2.2: DJANGO PROJECT SET UP

### REFLECTION QUESTIONS

1. SUPPOSE YOU'RE IN AN INTERVIEW. THE INTERVIEWER GIVES YOU THEIR COMPANY'S WEBSITE AS AN EXAMPLE, ASKING YOU TO CONVERT THE WEBSITE AND ITS DIFFERENT PARTS INTO DJANGO TERMS. HOW WOULD YOU PROCEED? FOR THIS QUESTION, YOU CAN THINK ABOUT YOUR DREAM COMPANY AND LOOK AT THEIR WEBSITE FOR REFERENCE. (HINT: IN THE EXERCISE, YOU SAW THE EXAMPLE OF THE CAREERFOUNDRY WEBSITE IN THE PROJECT AND APPS SECTION.)

- I WOULD NEED TO CONVERT THE HOME, ABOUT, CONTACT, AND PROJECTS PAGES INTO APPS (MODULES) WITH THE PROJECT NAME THE COMPANY'S NAME

2. IN YOUR OWN WORDS, DESCRIBE THE STEPS YOU WOULD TAKE TO DEPLOY A BASIC DJANGO APPLICATION LOCALLY ON YOUR SYSTEM.

- START BY CREATING A FILE FOR THE PROJECT (MKDIR <DIRECTORY NAME>) AND NAVIGATE TO IT (CD <DIR NAME>)
- CREATE A VIRTUAL ENVIRONMENT (MKVIRTUALENV <ENV NAME>) AND INITIATE (WORKON <ENV NAME>)
- MAKE SURE DJANGO IS INSTALLED (DJANGO --VERSION) (INSTALL IF NOT - PIP INSTALL DJANGO)
- START A PROJECT ( DJANGO-ADMIN STARTPROJECT <PROJECT NAME>)
- RENAME PROJECT NAME FOLDER TO SRC AND NAVIGATE TO IT (CD SRC)
- RUN MIGRATIONS (PYTHON MANAGE.PY MIGRATE)
- RUN THE SERVER (PYTHON MANAGE.PY RUNSERVER)
- CREATE APP (PYTHON MANAGE.PY STARTAPP <APP NAME>)
- CREATE SUPERUSER (PYTHON MANAGE.PY CREATESUPERUSER), ENTER USERNAME, EMAIL, PASSWORD FOR SERVER RUN LOGIN



## EXERCISE 2.2: DJANGO PROJECT SET UP

### REFLECTION QUESTIONS

3. DO SOME RESEARCH ABOUT THE DJANGO ADMIN SITE AND WRITE DOWN HOW YOU'D USE IT DURING YOUR WEB APPLICATION DEVELOPMENT.

- THE DJANGO ADMIN SITE IS AUTOMATICALLY GENERATED AS AN INTERFACE THAT ALLOWS DEVELOPERS TO MANAGE DATABASE CONTENT THROUGH A WEB-BASED DASHBOARD. IT'S PARTICULARLY USEFUL FOR RAPID PROTOTYPING AND CONTENT MANAGEMENT IN WEB APPLICATIONS. IT WILL BE USEFUL TO USE DURING MY WEB APPLICATION DEVELOPMENT THROUGH THE SUPERUSER I HAVE CREATED IN MANAGING DATABASE MODELS, EFFICIENT CONTENT MANAGEMENT, USER PERMISSIONS AND ROLES, TESTING AND DEBUGGING, AND MONITORING APP ACTIVITY.