**Chapter 01. Initial Set Up**

**Install Python 3:**

And check the version on your terminal: python –version

**Text Editor:**

Install Visual Studio Code, which is free, very popular and modern

An optional–but highly recommended–additional step is to take advance of the large ecosystem of extensions available on VSCode. On Windows, navigate to File -> Preferences -> Extensions or on macOS Code -> Preferences -> Extensions. This launches a search bar for the extensions marketplace. Enter “python” which will bring up the Microsoft extension as the first result. Install it.

A second extension to add is Black, which is a Python code formatter that has quickly become the default within the Python community. To install “Black” go to your terminal and type: python -m pip install black or pip install black

Then press ctrl+P to go to Setting then search for “format on save” and enable “Editor: Format on Save”. Black will now automatically format your code whenever a .py file is saved.

**Install Git:**

The final step is to install Git, a version control system that is indispensable to modern software development. With Git you can collaborate with other developers, track all your work via commits, and revert to any previous version of your code even if you accidentally delete something important! To check the version type git --version.

Initial Set Up for git

git config --global user.name "Your Name"

git config --global user.email "yourname@email.com"

git config --global init.defaultBranch main

You can always change these configs later if you desire by retyping the commands with a new name or email address.

**Create a back up:** (May be not for this chapter since no codes are inside it’s up to you. But I advice you to do it starting Chapter 2).

Copy-Item -Recurse -Path "C:\Users\Jean-Marc H\Documents\Django for professionals\Bookstore-by-Chapter\*Chapter x. chapter’s title*" -Destination "C:\Users\Jean-Marc H\Documents\Django for professionals\Bookstore-by-Chapter\ *Chapter x. chapter’s title* - Backup"

**Conclusion:**

Django is an excellent choice for any developer who wants to build modern, robust web applications with a minimal amount of code. While configuring a software development environment is no easy task you should now have Python 3.10 installed, Git installed, and configured a modern text editor. In the next chapter we’ll learn about Docker and how to configure any computer for Django development with Docker.

The end