Development Environment Setup

❖ Python 3 virtual environment

   ❖ https://packaging.python.org/guides/installing-using-pip-and-virtualenv/

   ❖ `virtualenv` allows you to manage separate package installations for different projects in the individual isolated environment.

   ❖ It is always recommended to use a `virtualenv` while developing Python applications.

❖ Django web framework

❖ Django REST framework

First-Day Project

- 1. Create PyCharm project: `restcode`

  - Install `Django` and `djangorestframework`

- 2. Create Django project (in terminal)

  - (Windows) `python venv\Script\`**`django-admin.py startproject`** `bookstore`

  - (Mac) `python venv/bin/`**`django-admin.py startproject`** `bookstore`

- 3. Create app in bookstore

  - `cd bookstore`

  - `python` **`manage.py startapp`** `books`

First-Day Project (cont.)

- ❖ `bookstore/settings.py`

- ❖ `books/models.py`

- ❖ 4. DB migration

  - ❖ python **manage.py makemigrations** books

  - ❖ python **manage.py migrate**

- ❖ `books/serializers.py,`
  `books/views.py,`
  `books/urls.py,`
  `bookstore/urls.py`

- ❖ 5. Start server

  - ❖ python **manage.py runserver**