

Lab Week 7

Django Models (Part 1)

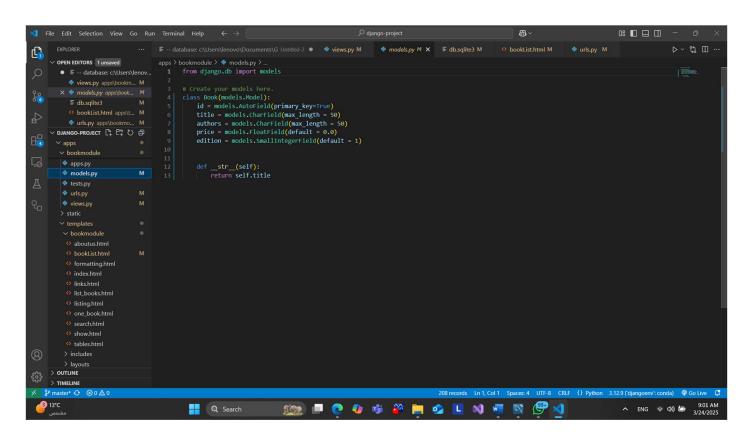
This lab session covers the basics of Django Models (Part 1). By the end of this session, students should have a very good understanding of how to build a basic model and how to access models in Django.

Pre-lab Preparation:

1. Having bookmodule and usermodule in apps directory, with necessary configurations in settings.py.

Lab Activities:

Task 1: using models, we create a database scheme



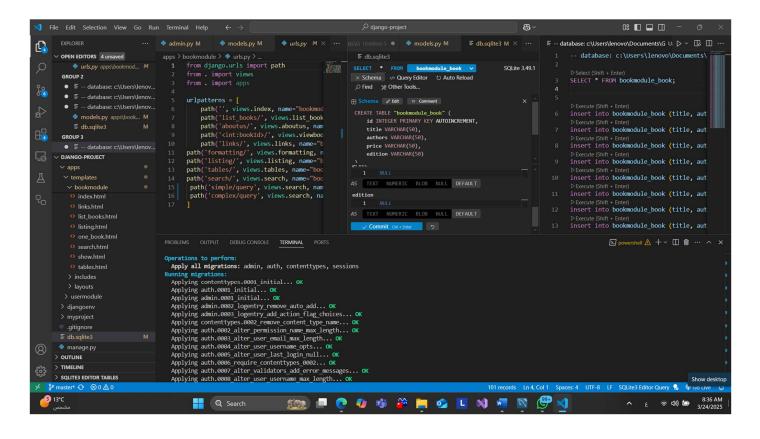
Task 2: use the application 'DB Browser for SQLite' or 'VS code' to view the database and insert fake data into it.

Note: For VS code, you need SQLite extension, and for SQLite, you will use sqlitebrowser at (https://sqlitebrowser.org/dl/). In the lab, we assumed that you are familiar with at least one of them.

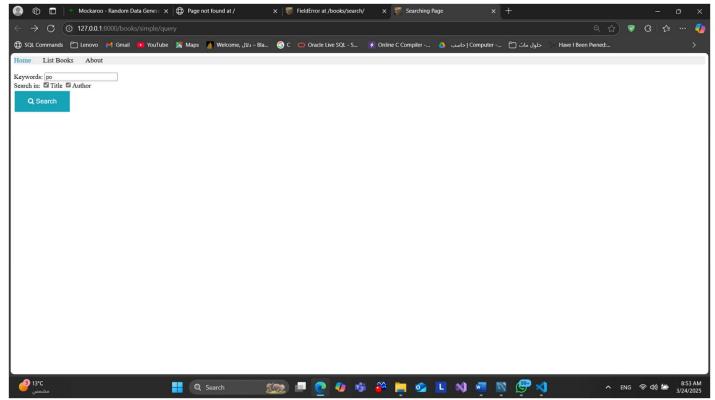


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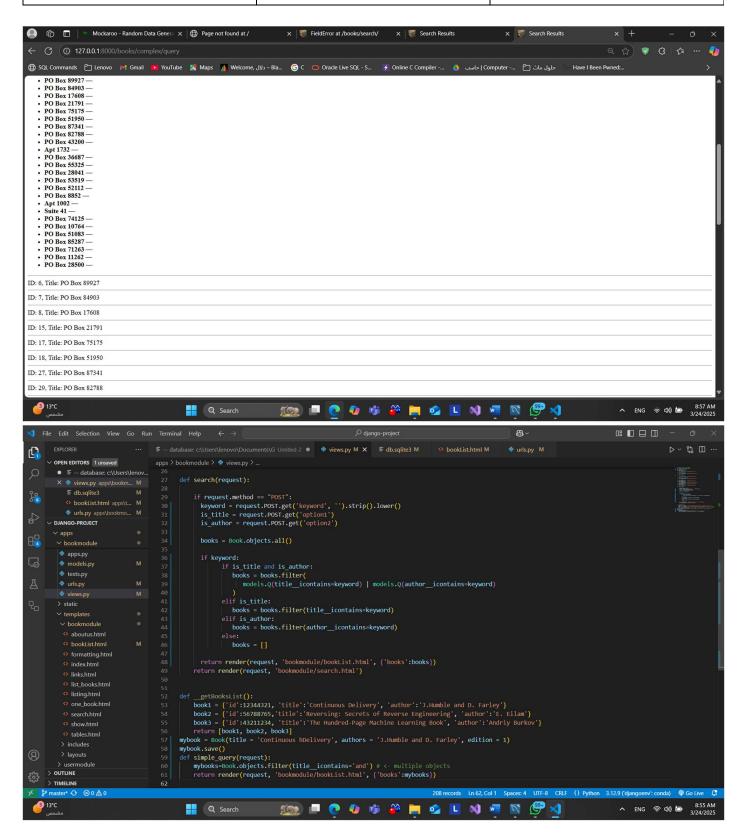


Task 3: Use simple queries using Django ORM.



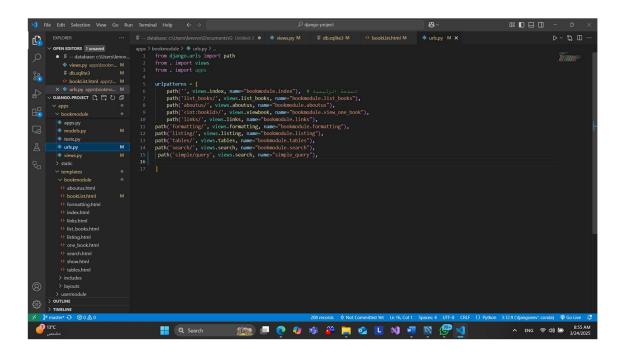


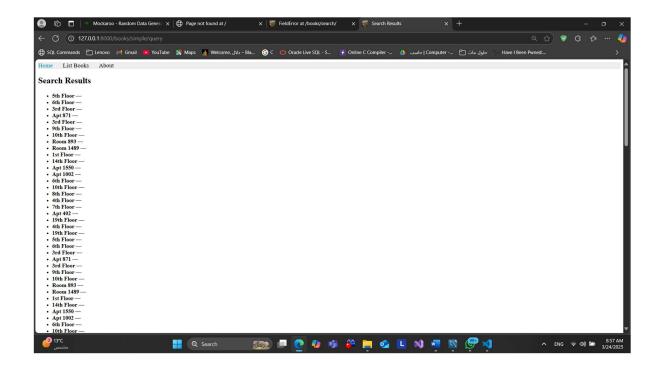
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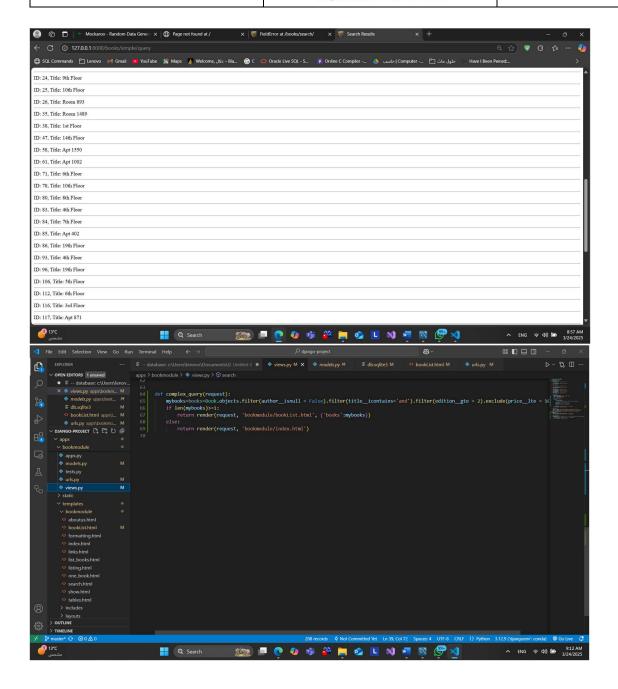
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