

Real-World Concepts Every Django Intern Must Know

Week 1 Bonus: Real-World Concepts Every Django Intern Must Know

In this section, you'll learn about important backend concepts that are used in almost every Django project. These are not just "coding topics", but practical knowledge that helps you work better as a web developer in real teams.

[Django online courses](#)

Authentication vs Authorization

Authentication means checking who the user is (e.g., login using username and password).

Authorization means checking what the user is allowed to do (e.g., can this user delete this post?).

In Django, you'll use built-in auth features and DRF permissions to handle this.

Database Basics

Learn how Django uses SQLite by default, and how to switch to PostgreSQL later

Understand what a migration is and why we run `python manage.py makemigrations`

Use the Django ORM to insert, update, and read data

HTTP Status Codes

You'll often work with HTTP status codes in APIs. Here are some examples:

200 OK – Everything went fine

201 Created – A new item was created

400 Bad Request – The client made a mistake

401 Unauthorized – User must log in

403 Forbidden – User doesn't have permission

404 Not Found – The requested item doesn't exist

API Testing with Postman

Use Postman to test your Django API endpoints

Send GET, POST, PUT, DELETE requests

Understand request headers, params, and JSON bodies

These concepts will help you debug better, communicate with frontend developers, and write professional-level code. Spend time learning them well — they'll serve you throughout your backend career.

