Unit 3 / Lesson 4

Building Blogful with Flask

🕐 Estimated Time: **10-11 hours**

In this lesson, you'll get started building a practical application in Flask. You'll create a blog from scratch, and learn tons about web application development and architecture. You'll follow along as we get you started building Blogful, before you start implementing your own features from scratch.

Next, you'll learn more advanced development techniques including using database migrations to manage your data structure for your application and how to build a user authentication system using Flask-Login.

Finally, you'll work on your own to improve your blog with features that you spec out and define with the help of your mentor.

Goals

- Understand how a web application is structured using MVC in practice

- Set up a Flask application from scratch

- Configure a Flask application for development

- Create the data models for a blog in your database using SQLAlchemy

- Create jinja templates for various blog views

- Process data from a form and persist new objects using this data

- Implement a user authentication system using sessions and Flask-Login

- Use decorators to quickly add functionality to your code

- Understand how database migrations simplify database management

- Create a database migration and run it to update your database

- Identify, spec out, and build new features for your Blogful platform.

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