CODING NOMADS

20) Capstone Project   Lesson

Flask Capstone Project Overview

9 min to complete · By Brandon Gigous

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You made it to the capstone section! Excellent work, and congratulations! If you went over all the course modules and completed all labs, you already have a solid portfolio of Flask projects under your belt. Now it's time for your *best Flask project thus far*.

What's A Capstone Project?

Your capstone project will be a new Flask project of your *own choosing* that you will build from scratch. Your capstone project won't follow a tutorial.

Why Build A Capstone Project?

Since you won't be following a tutorial, you *will* need to synthesize your knowledge and learning from the course and cast it into a new form. This helps to solidify and anchor the concepts you learned and practiced. Working on your capstone project will also very likely send you off on a couple of personal learning quests that are individual to your project, which is great training for any real-life development scenario. You will need to *plan*, *research*, and *resolve issues* that are unique to your specific project. Your capstone will be a challenging task that is extremely rewarding and an awesome learning experience.

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Halp?!

Don't worry, you got this! By working through this course up to now, you have gained a *ton* of Flask web development skills, spanning everything from building a project to deploying it on the web.
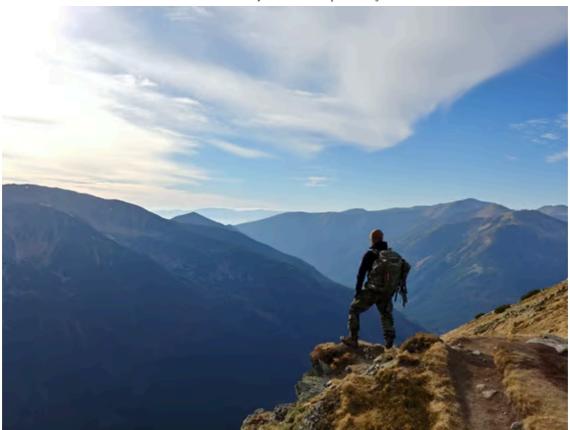
If you are working with a mentor, of course, you have your mentor as a resource. Bounce ideas off your mentor, ask about feasibility, and make sure to keep them up-to-date with your code and progress. Clearly define the challenges you get hung up on and how you've tried to solve them. This will make it much easier for them to help you on your way.

If you have access to Discord, it's also a great resource for asking questions and getting help from the community. Just putting yourself out there and sharing will help you solidify your ideas and will probably even help and inspire others.

Your capstone project will (and should) be a challenge for you, but you have the skills and the grit to work through it. Choose a project idea that you are *genuinely interested in* and it'll make sticking with it much easier. Alright, it's time to go and start building your capstone project to put a glowing crown on top of your Flask projects!

Python Flask Framework Capstone Project Theme

What project should you build as your capstone? **Choose your own adventure!**

The *best idea* for building your capstone project is *your idea*. Choose a project that you personally want to build. You might have a website idea floating around your brain for a long time. This is the best time to start working on it! Or maybe there's a task you would like to automate, some habit you want to make part of your daily life? Can you build a webapp around that idea?

Choosing a project that you are personally interested in will make sticking with it much easier, especially when it gets daunting. It will also help to drive you to keep exploring and learning new and additional aspects of Flask, simply because you will need this or that to make your project work the way you envision it.

 tldr: If you have an idea for a webapp, make that your capstone project

Before you dive too deep into a too complex project, ask yourself what the **minimum viable product** of your project idea would be. Give it some time to think it through. What's the *main* functionality, and how could you build that in the *easiest* way? Start there. Once you finish the minimal version, you can always keep building on it to make it more awesome.

Other Options

If you don't yet have an idea for a project you would want to work on, here are a couple of ideas for your inspiration:

- **Portfolio Site**: Build a Portfolio app that you can use to display all the projects you built in this course, as well as contact information, integrate your GitHub portfolio via their AOI, etc.

- **Future-Job Projects**: Look at Job Postings of companies you are interested in working for, and figure out what projects they are working on. Build something that could help them

- **Clones**: Build a clone of your favorite site on the web. Maybe you love Twitter? Build a Twitter clone! Etc.

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Project Idea Lists On The Web

To make sure you drown in a flood of options, here are even more pages that list a variety of ideas for Flask web development projects. The sky is the limit!

- Real Python's 13 Intermediate Python Projects (Web Section)

- Pythonista Planet: 7 Flask Project Ideas For Beginners

Summary: Python + Flask Capstone Project Overview

In this lesson, you:

- Were introduced to the concept of the capstone project, which is your chance to build a Flask project entirely from your vision without a step-by-step tutorial to guide you.

- Learned that building a capstone project will help solidify your understanding of Flask by applying the skills you've acquired in a practical, real-world scenario.

- Realized the importance of planning and independent problem-solving, as you'll tackle unique challenges that your specific project presents.

- Discovered that support is available, either from a mentor or a community (like Discord), which can provide guidance when you encounter difficulties.

- Recognized the value in choosing a project that truly interests you, as it will keep you motivated and encourage you to dive deeper into Flask's functionalities.

- Gained a list of inspirational project ideas to jump-start your creativity if you're unsure what to build, as well as resources to help shape your project's minimum viable product (MVP).

Previous   Next → Flask Capstone Checklist

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