

Flask Fundamentals

1. What Is Flask?

Flask is a lightweight Python web application framework used to build:

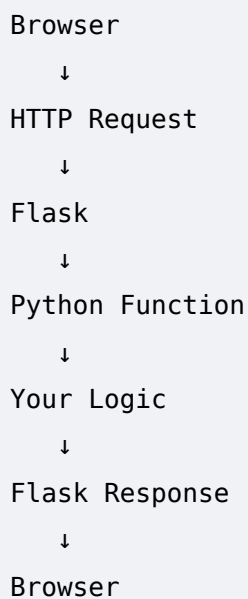
- Websites
- Web applications
- REST APIs
- Backend services
- Small to medium sized applications
- Prototypes and internal tools

Flask is designed to give you the essential tools for web development without forcing a large application structure on you.

Flask's core application object handles things such as URL routing, request handling, responses, templates, and configuration. Flask uses Werkzeug for its WSGI functionality, Jinja for templates, and Click for its command-line interface.

Simple mental model

Think of Flask as a **translator between the browser and your Python code**.



For example:

GET /hello

↓

Flask finds /hello

↓

hello() runs

↓

"Hello, World!"

↓

Browser displays it

2. Why Do We Need Flask?

Python itself is a programming language.

It can calculate:

```
price = 100  
tax = price * 0.15
```

But Python alone does not automatically give you:

URL →