Web Frameworks

JULY 12, 2021

Learning Objectives

At the end of this lesson, you should be able to:

- Define a web framework
- Build a simple Flask webpage
- Create a simple template

What is a Web Framework?

At the end of this lesson, you should be able to:

- Define a web framework
- Build a simple Flask webpage
- Create a simple template

What is a Web Framework?

- A software "framework" supporting the development of dynamic web sites, services and APIs

- Some examples: Django, Flask, and Bottle to name a few

- Pros and cons for each, need to select which one to use based on level of support, ability for integration and customization in your project/technology

Properties of an ideal web framework?

Properties of an ideal web framework?

- Clean – clutter free, URLs
- Loosely coupled components
- Designer friendly templates
- Minimal coding
- Fast development

Flask

- Easy to use, lightweight, customizable

- Install on terminal using: *sudo pip3 install Flask*

- Serves a web page as opposed to normal print statements

Flask Features

✓ Included development server
✓ Support for unit testing
✓ RESTful request handling
✓ Easy templating
✓ Secure cookie handling

Flask

DEMO

Q&A