

Workshop: Introduction to Web Development with Flask

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Description:

Have you ever wondered how the internet works? Are you curious about the process of creating websites and want to gain a foothold in the world of web development? If so, this course is tailor-made for you!

We will take a look at all the single steps that are needed to create a fully functioning website from start to finish. You'll become acquainted with fundamental tools such as HTML, CSS, Bootstrap, and SQLite, along with the Python Library Flask.

Join this workshop and bid farewell to any fear about web development!

1. Recap: Python programming

- Virtual Environments
- Library Management
- Debugging with VS Code

2. Introduction: HTML

3. Introduction: CSS

4. Introduction: Bootstrap

3. Flask

- Creating a simple "Hello World" Flask app
- Understanding routes and views

4. Templating with Jinja2

- Introduction to Jinja2 templating engine

5. Handling Requests and Responses

- HTTP methods (GET, POST, etc.) and their usage in Flask
- Request and response objects in Flask
- Form handling and data submission

6. Introduction: SQLite3

7. Integrating databases with Flask

8. Authentication and Authorization

- Implementing user authentication with Flask-Login
- Role-based access control and authorization
- Securing routes and resources