

Python flask RESTful API

Duration : 3 Days

Course Content

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation via the off-side rule. Python is dynamically typed and garbage-collected. Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. In this course student learn how to build website backend RESTful API using Python Flask.

Prerequisites

- BackEnd ServerSide Programming knowledge
- Basic MVC Concept

Course Objectives

After this course delegates will have practical knowledge of techniques for creating web application using Python Flask as Backend.

Who Should Attend

This course is designed for developers looking to using Python Flask as Backend RESTful API.

Course Outline

- Introduction to Microservices Arsitektur
- Introduction to Python Flask
- Python fundamentals
- Installation
 - Python Version
 - Dependencies
 - Virtual environments

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- Install Flask
- Quickstart
 - A Minimal Application
 - Debug Mode
 - HTML Escaping
 - Routing
 - Static Files
 - Rendering Templates
 - Accessing Request Data
 - Redirects and Errors
 - About Responses
 - Sessions
 - Message Flashing
 - Logging
 - Hooking in WSGI Middleware
 - Using Flask Extensions
 - Deploying to a Web Server
- API
 - Application Object
 - Blueprint Objects
 - Incoming Request Data
 - Response Objects
 - Sessions
 - Session Interface
 - Test Client
 - Test CLI Runner
 - Application Globals
 - Useful Functions and Classes
 - Message Flashing
 - JSON Support
 - Template Rendering
 - Configuration
 - Stream Helpers
 - Useful Internals
 - Signals
 - Class-Based Views
 - URL Route Registrations
 - View Function Options
 - Command Line Interface
- Python Flask RESTful API
- Design API endpoints.
- Create a folder for your code.

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- Create the data.
- Write a handler to return all items.
- Write a handler to add a new item.
- Write a handler to return a specific item.
- Crud RESTful API with Python Flask

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