PYTHON ADVANCED Course (RESTful APIs)

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Course Overview

In this course you will learn the basic concepts of network programming in Python, how to use sockets, and how to communicate with RESTful APIs using CRUD methods.

You will also get familiar with JSON and XML files, and learn HTTP methods such as: GET, POST, PUT, and DELETE.

What you'll learn

After the course you will be able to communicate with external resources and servers using the HTTP protocol and sockets. The course will help you gain skills and knowledge required in network programming and web development.

Course outline

- Python
- Computer Programming
- Algorithmic Thinking
- Analytical Thinking
- Design, Develop, Refactor, and Debug Multi–Module applications
- Best Practices and Python Coding Conventions
- Solutions Architecture
- Advanced Object–Oriented Programming
- GUI Programming
- Network Programming

Who should attend?

RESTful APIs courses are suitable for a variety of individuals, including:

1. Web Developers: Those who are interested in building web applications or services that interact with APIs can benefit greatly from RESTful APIs courses. This includes front–end developers, back–end developers, and full–stack developers.
2. Software Engineers: Professionals working in the software development industry who want to enhance their skills in building and consuming RESTful APIs can attend these courses.

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3. API Developers: Individuals specifically focused on API development, including designing, implementing, and documenting APIs, can find great value in RESTful APIs courses.

4. Mobile App Developers: Developers who build mobile applications that need to communicate with server–side APIs can benefit from understanding RESTful APIs and how to integrate them into their apps.

5. System Integrators: Professionals who work on integrating different systems and services, including third–party APIs, can benefit from learning about RESTful APIs to improve their integration capabilities.

6. Technical Architects: Architects responsible for designing the overall technical architecture of applications, including API integration strategies, can benefit from RESTful APIs courses to gain a deeper understanding of the concepts and best practices.

While some familiarity with programming concepts and web technologies may be helpful, many RESTful APIs courses are designed to accommodate learners at various skill levels, including beginners. It's always a good idea to review the course prerequisites and target audience to ensure a suitable fit for your specific needs.

Prerequisites

Prerequisites for RESTful APIs courses may include:

1. Basic programming knowledge.
2. Familiarity with web development fundamentals.
3. Understanding of HTTP basics.
4. Knowledge of JSON.
5. Command line basics.

Specific prerequisites may vary depending on the course.