

RESTful API

Chapter 1: Introduction to RESTful API

- Introduction to the concept of RESTful and its history.
- Explaining the significance of web APIs in software development.

Chapter 2: Principles of RESTful

- Introduction to important principles like resources, operations, URLs, statelessness, and uniformity.
- Examples of applying RESTful principles.

Chapter 3: Resource Design and Routing

- How to design resources and define API routes.
- Using routing to process requests.

Chapter 4: RESTful Frameworks

- Introduction to frameworks and various tools for API development.
- Examples of using a popular framework.

Chapter 5: Request and Response Management

- Processing requests and sending responses in APIs.
- Working with middleware to add additional features.

Chapter 6: API Documentation

- The importance of API documentation.
- Creating comprehensive documentation for APIs using various tools.

Chapter 7: API Security and Access Management

- Setting up API security and access control for resources.
- Protecting APIs against various attacks.

Chapter 8: Developing a Practical Project

- Developing a practical project using the learned principles.
- Implementing resources and routing.
- Documenting and securing the project.

Chapter 9: Engaging in the RESTful Community

- Engaging with the RESTful API developer community and contributing to open-source projects.
- Utilizing online resources and working on practical projects.