

POSTMAN



e-Learning Course

Zetlan Technologies



Master API testing with Postman. Learn to write efficient tests and streamline your development process!!

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COURSE MODULES


Module 1: Introduction to Postman

- What is Postman?
- Why use Postman for API testing?
- Installing and setting up Postman
- Overview of Postman UI

Module 2: Working with APIs in Postman

- Understanding APIs (REST & SOAP)
- HTTP methods: GET, POST, PUT, DELETE, PATCH
- Sending API requests in Postman
- Understanding request & response structure
- Handling query parameters & path variables

Module 3: Postman Features & Tools

- Working with Headers & Authorization
 - Body formats: JSON, form-data, x-www-form-urlencoded
 - Handling cookies in Postman
 - Response types & status codes
 - Using Postman collections
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Module 4: Environment & Variables in Postman

- Creating environments
- Using global, environment, and collection variables
- Using variable placeholders in requests

Module 5: Writing Tests in Postman

- Introduction to Postman test scripts
- JavaScript basics for Postman scripting
- Writing basic tests using `pm.test()`
- Validating status codes, response time, and headers
- Extracting values from API responses

Module 6: Advanced Testing in Postman

- Using pre-request scripts
- Chaining requests with variables
- Looping & conditional workflows
- Data-driven testing with external files (CSV/JSON)

Module 7: Postman Automation & Newman

- Introduction to Newman (Postman CLI)
- Running collections with Newman
- Generating reports from Newman
- CI/CD integration with Jenkins/GitHub Actions

Module 8: API Mocking & Monitoring

- Creating mock servers in Postman
- Simulating responses with mock data
- Setting up monitors for API uptime & performance

Module 9: API Documentation & Collaboration

- Generating API documentation in Postman
 - Sharing collections & collaboration features
 - Version control & Postman workspaces
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