



PDF STUDY MATERIAL • UNCODEMY

Postman API Testing

Notes, roadmaps and practice material, curated by the Uncodemy trainer team.



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Quick answer



Postman is a tool for sending API requests and writing automated checks. Core features are collections, environments with variables, test scripts, the collection runner and the Newman command-line runner.



Clear concepts

Short, plain-language explanations



Hands-on practice

Examples and exercises to try yourself



Job-focused prep

Questions and checklists for interviews

Postman features you will use

Feature	What it does
Collection	A saved group of requests, organised in folders
Environment and variables	Switch base URLs and tokens between dev, test and production
Pre-request script	Code that runs before a request, for example to set a value
Tests tab	Scripts that check the response
Collection runner	Run a whole collection, optionally with data files
Newman	Command-line runner for collections, used in CI
Mock server	Simulated responses for an API that is not ready

Example test script

Check status, body field and response time:

example

```
1 pm.test("Status is 200", function () {  
2   pm.response.to.have.status(200);  
3 });  
4  
5 pm.test("Response has an id", function () {  
6   const json = pm.response.json();  
7   pm.expect(json).to.have.property("id");  
8 });  
9  
10 pm.test("Responds within 800 ms", function () {  
11   pm.expect(pm.response.responseTime).to.be.below(800);  
12 }
```

A simple workflow

1

Create a collection and an environment.

2

Add requests using variables such as `{{baseUrl}}`.

3

Add tests to each request: status, body and headers.

4

Chain requests by saving values (for example a token) to variables.

5

Run the collection, then run it in CI with Newman.

Common mistakes



Testing only the status code.



Hard-coding URLs and tokens: use environments.



No negative tests: add invalid input and missing-auth cases.



Storing secrets in shared collections.

How to use these PDFs



STEP 1

Read the roadmap

Start at the stage that matches your level.



STEP 2

Practise each topic

Try it yourself instead of only reading.



STEP 3

Revise key concepts

Use the tables before an interview or exam.



STEP 4

Move to the next stage

Go on when you can explain this one in your own words.

Your Postman API Testing PDF set



2-3 PDF files, each its own download



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PDF 1



PDF 2



PDF 3

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Frequently asked questions



What is Postman used for?

Postman is used to send requests to APIs, inspect responses and write automated checks, individually or as collections.



What is a Postman collection?

A collection is a saved group of API requests, organised in folders, that can be shared and run together.



What are environments in Postman?

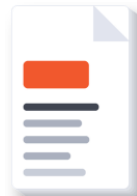
Environments store variables such as base URLs and tokens so the same requests can run against different systems like test and production.

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