สยามชำนาญกิจ
SIAM CHAMNAN KIT

How to test APIs with Postman

Postman in the right way

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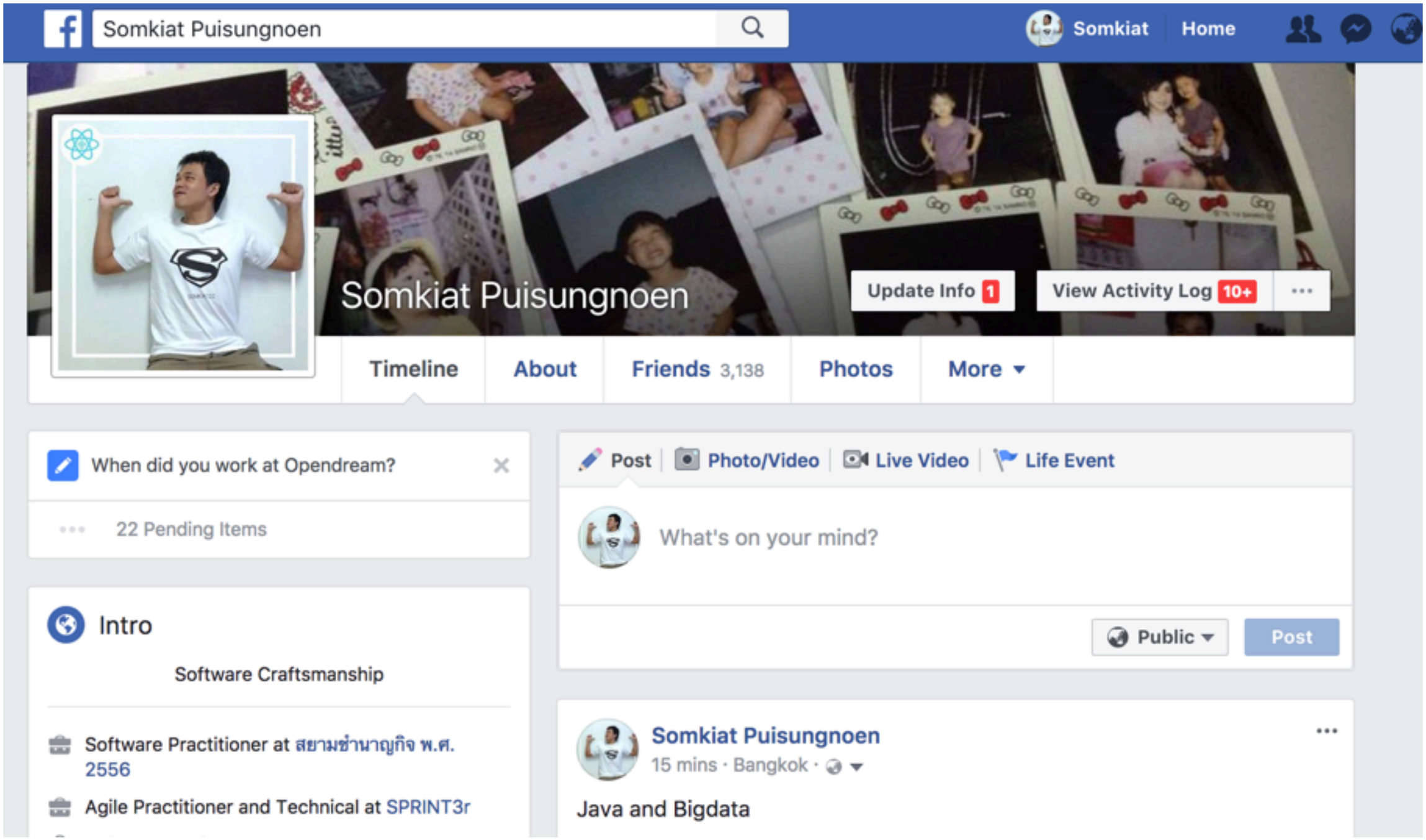

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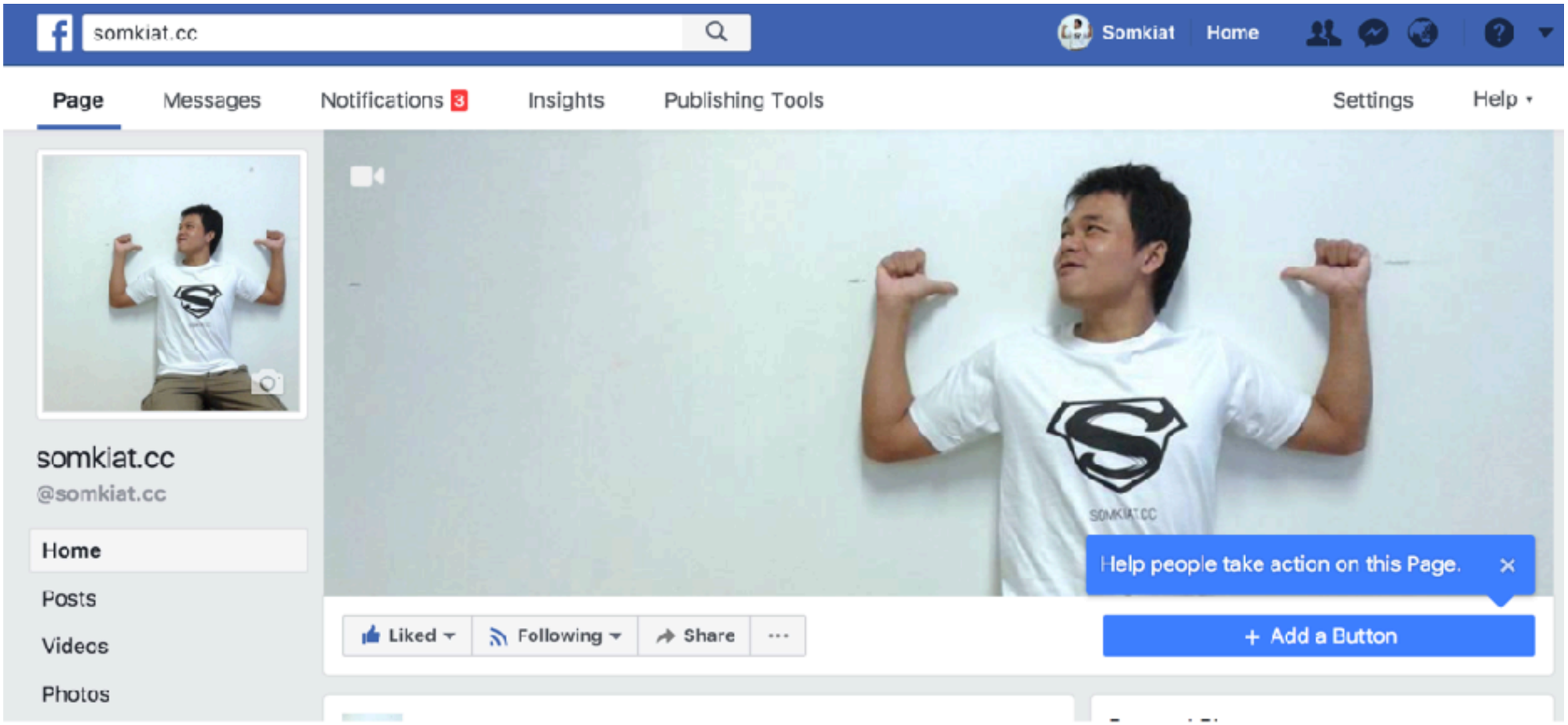

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Postman in the right way

https://github.com/up1/workshop-postman

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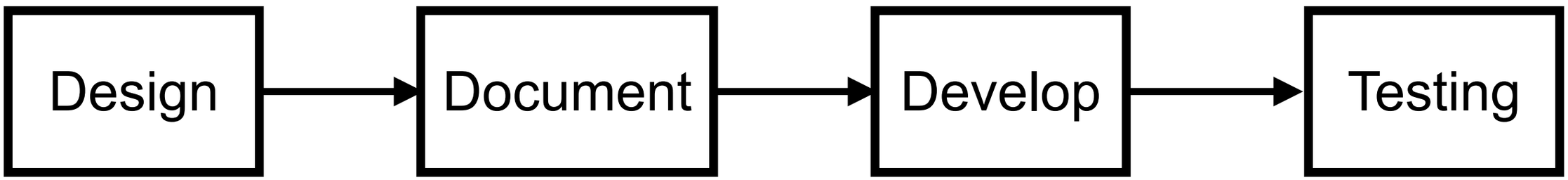
Software Delivery Process



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API Development

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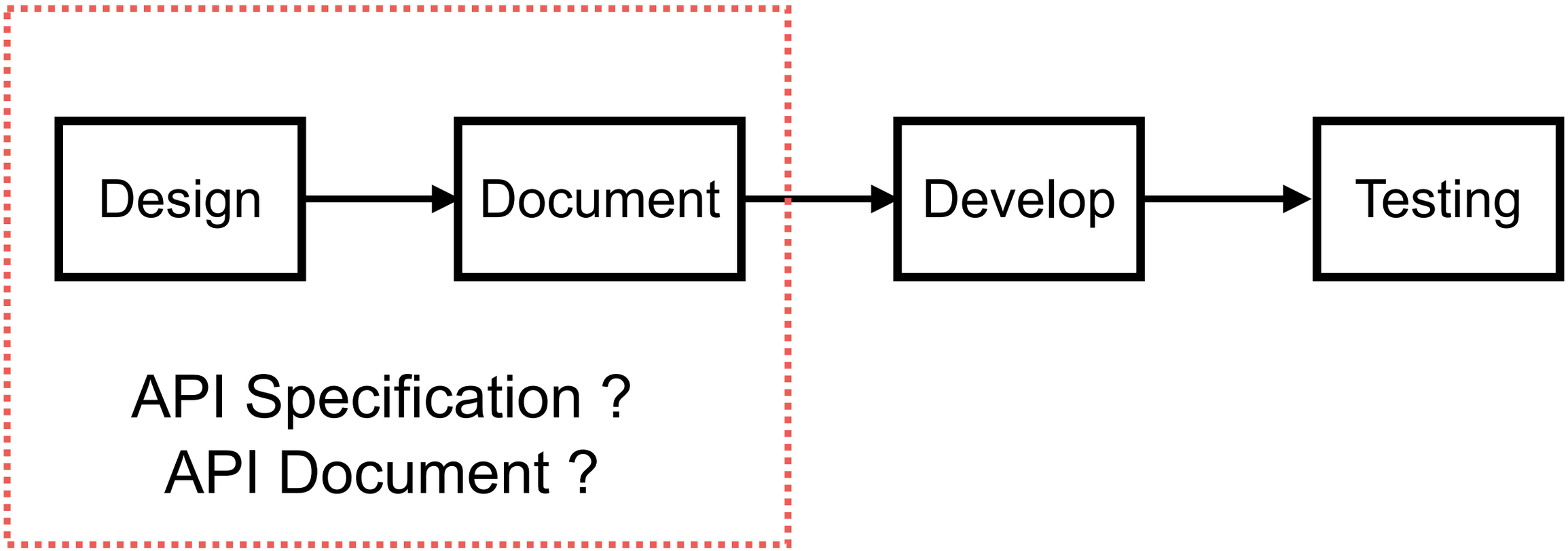
APIs



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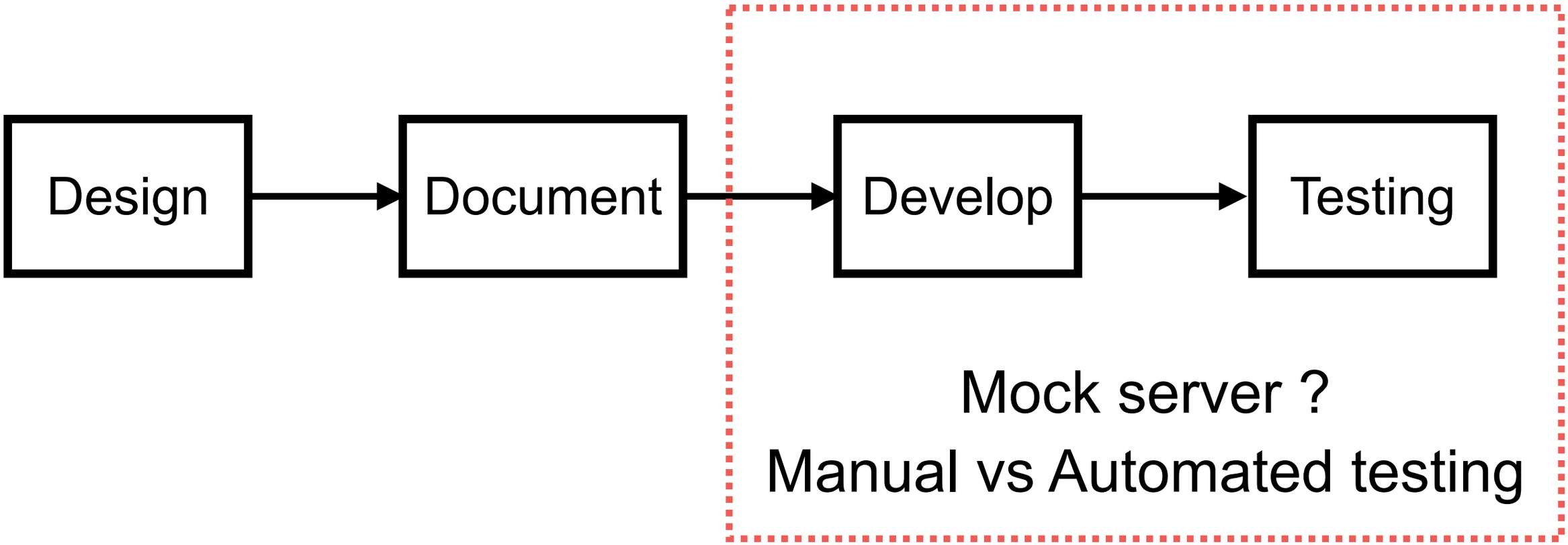
APIs



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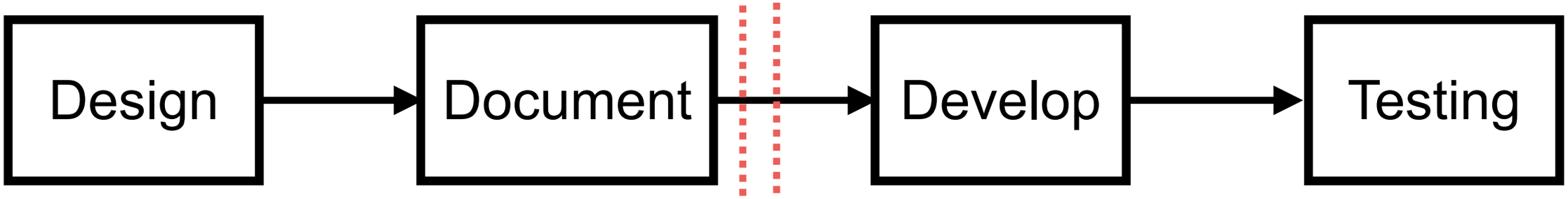
Working with Postman



API Specification ?
API Document ?

Mock server ?
Manual vs Automated testing

POSTMAN

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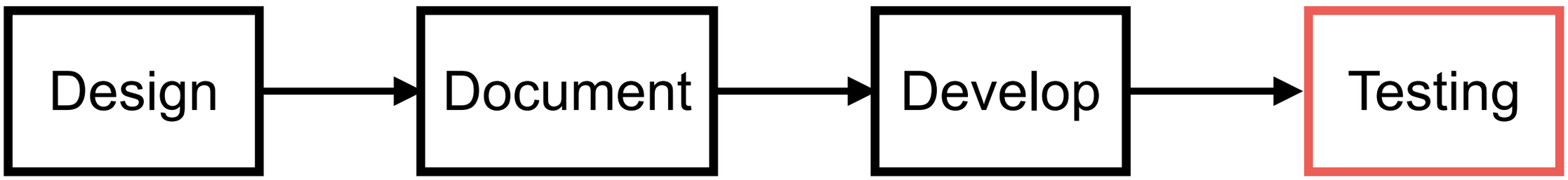
ทำก่อนคิด (ทดสอบอย่างไร)



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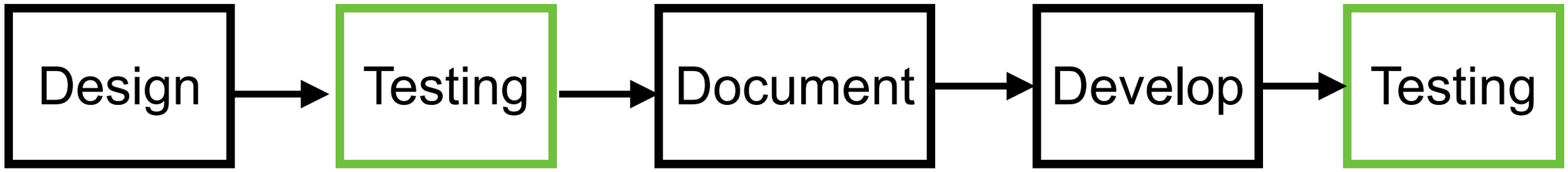
คิดก่อนทำ



Why and What to test ?

Validation
Verification

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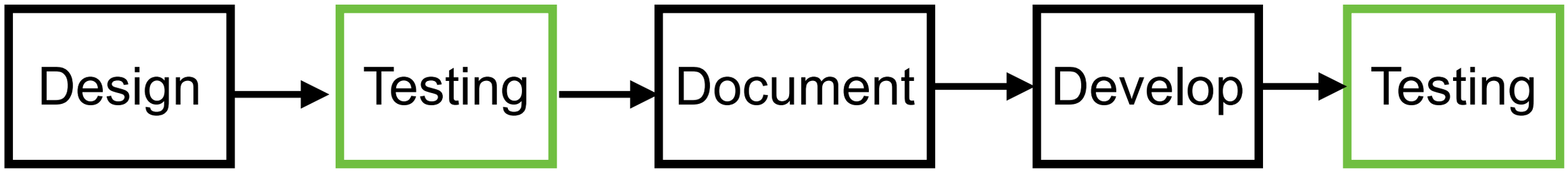
High Quality



Validation
Verification

Why and What to test ?

POSTMAN

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Demo time

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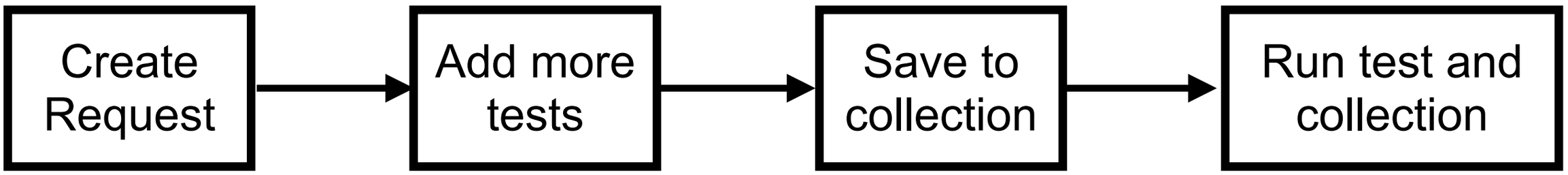
Simple Process



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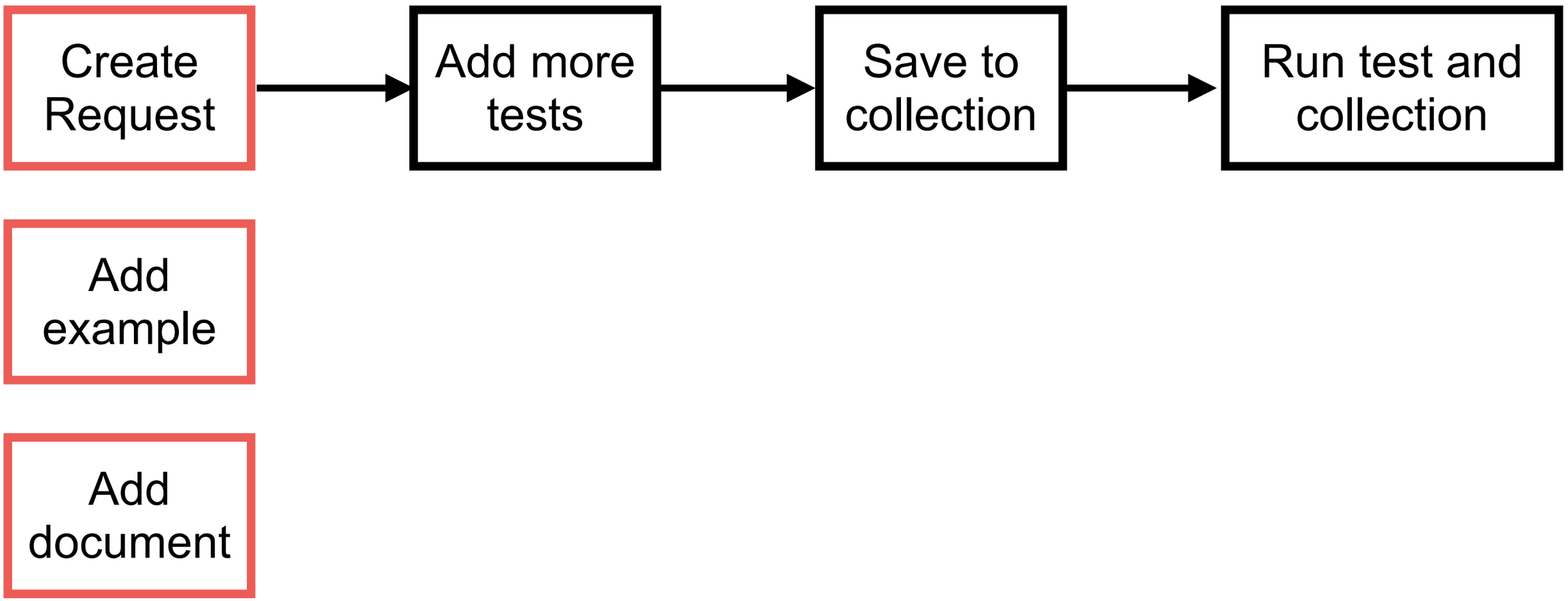
Design first with Postman



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Add more tests !!

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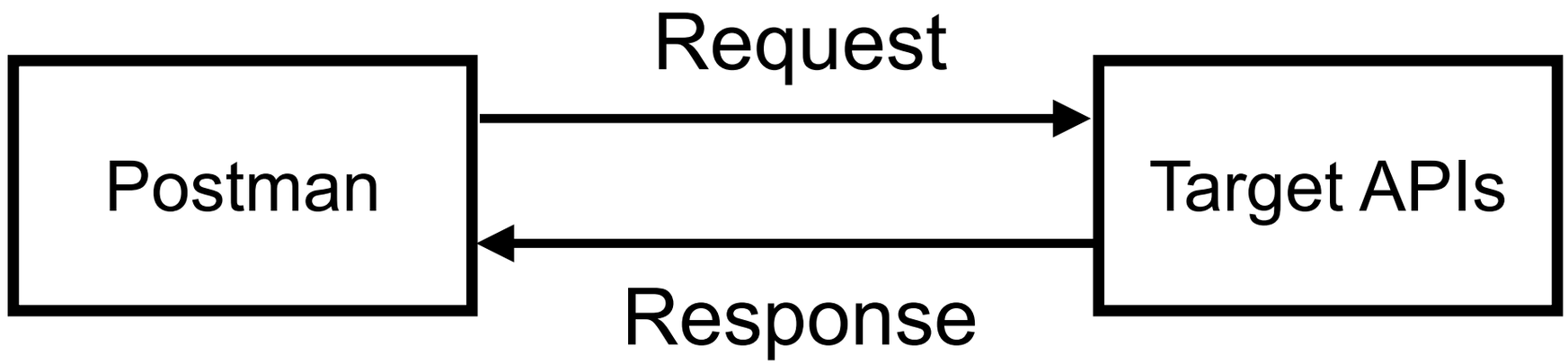
Why and What to test ?

Thinking about testing (API)



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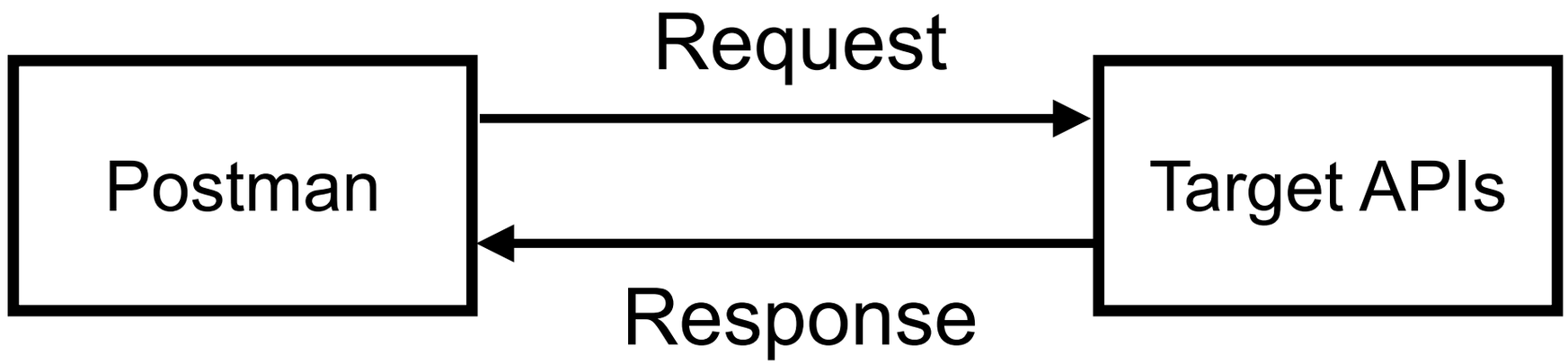
Why and What to test ?

Thinking about testing (API)



Status code	Response time	Response body	Response schema

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Add test cases
in request and collections

JavaScript

https://learning.postman.com/docs/writing-scripts/test-scripts/

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Automation process with Postman

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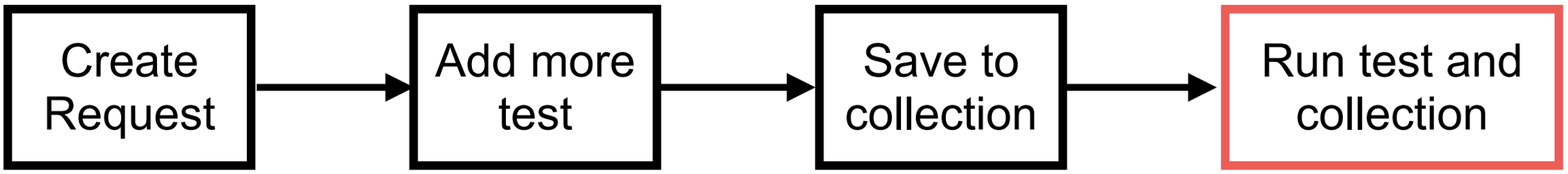
Testing process ?



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Testing with Postman

Collection runner

Postman CLI

Newman CLI

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Newman CLI

Send request and receive response
Run collections in command line
Integrate with CI/CD tools

$npm install -g newman

https://github.com/postmanlabs/newman

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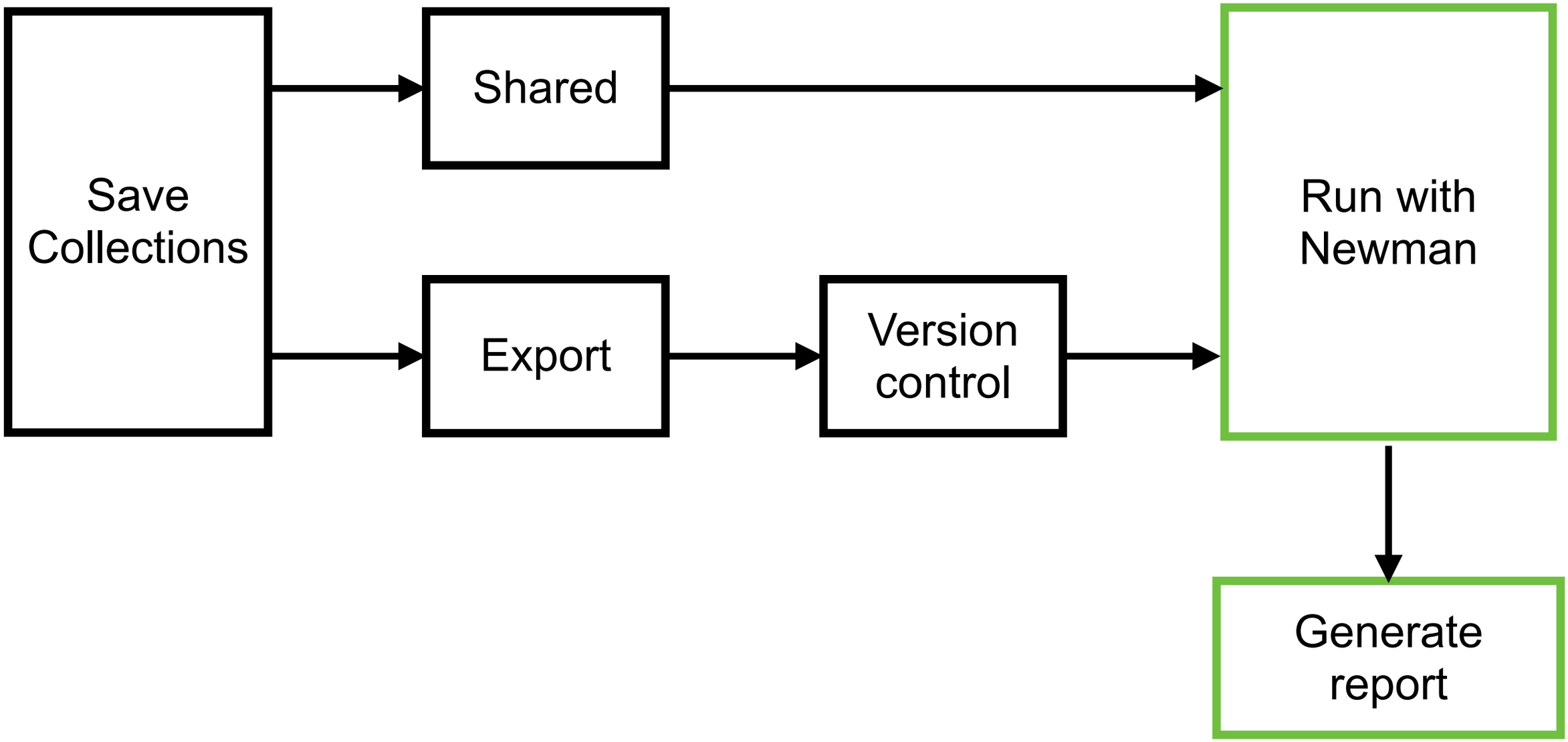
Working with Newman



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Demo time

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Mock Server

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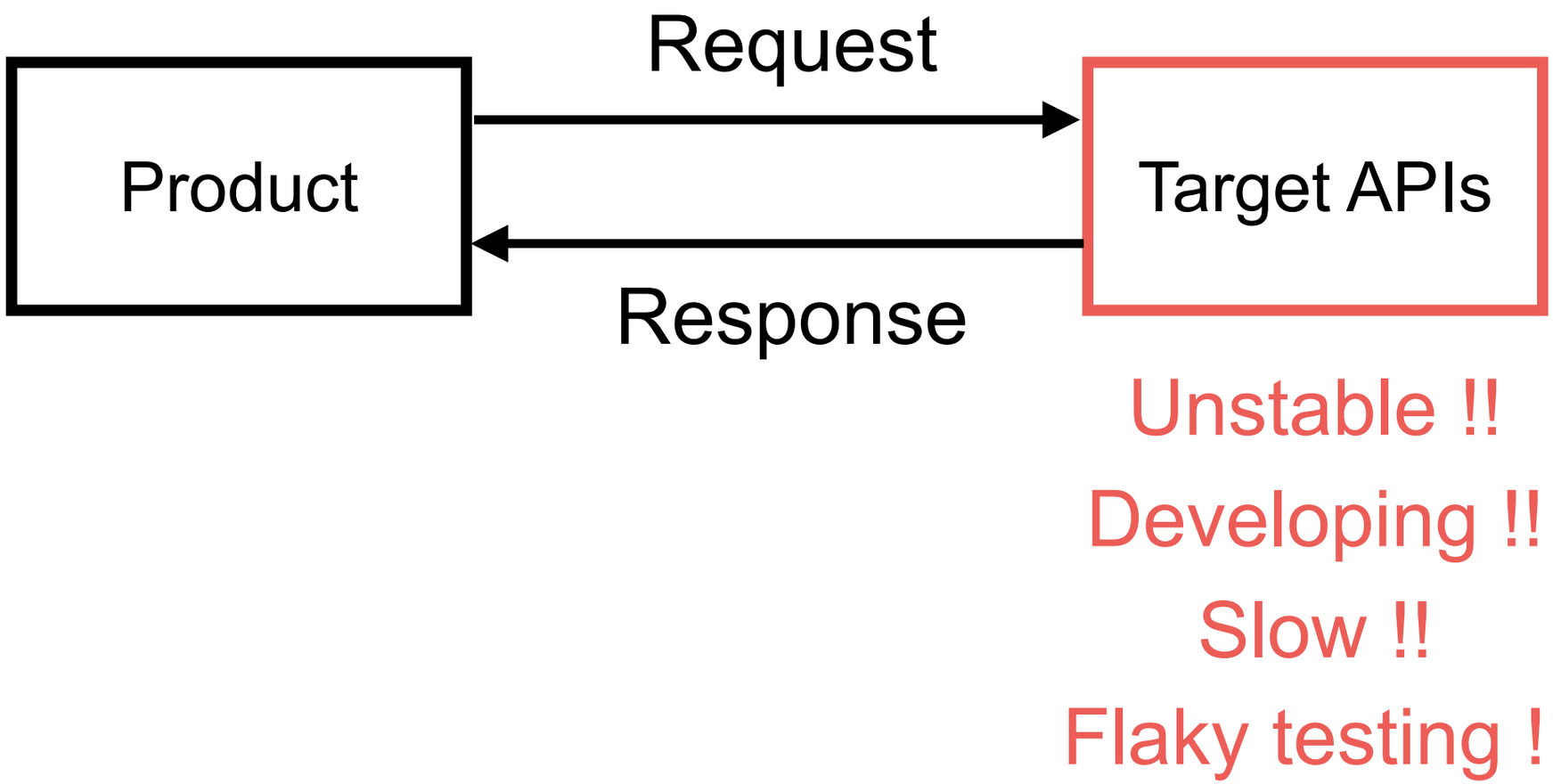
Problems ?



https://learning.postman.com/docs/designing-and-developing-your-api/mocking-data/setting-up-mock/

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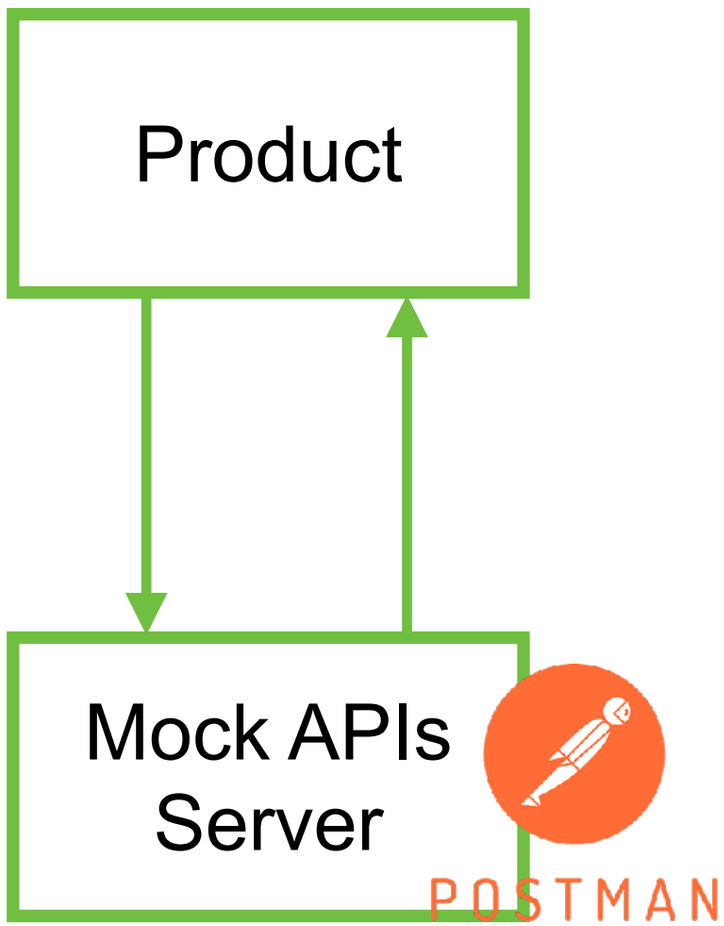
Mock Server with Postman



Target APIs

Unstable !!

Developing !!

Slow !!

Flaky testing !!

https://learning.postman.com/docs/designing-and-developing-your-api/mocking-data/setting-up-mock/

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Demo time

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More features

POSTMAN

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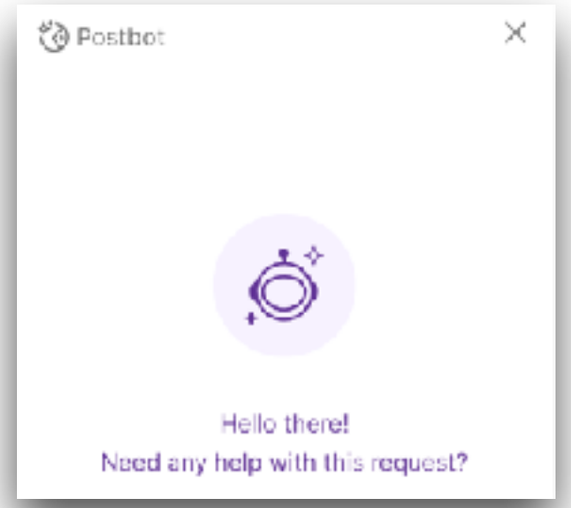
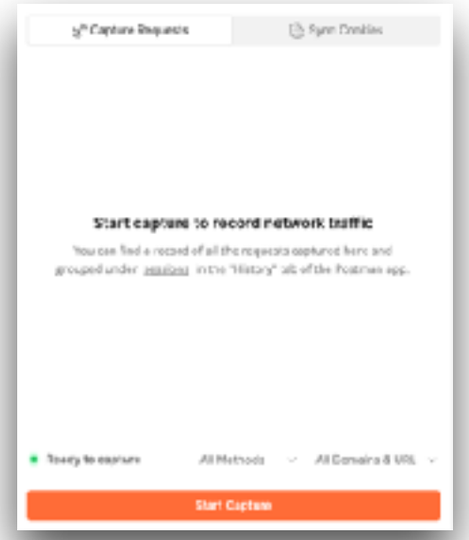
More features

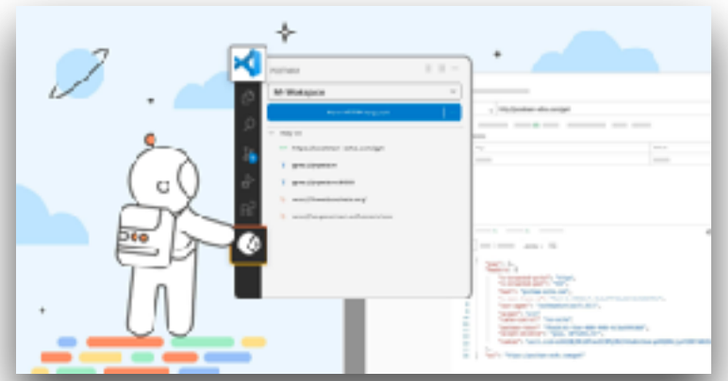


AI assistant for API testing



Postman interceptor

Working with OpenAPI/Swagger



Postman extension in VSCode

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Summary

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Better delivery process

Think about testing
Fast feedback
High quality
Working as a team

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Q/A

https://www.facebook.com/beSkilledSoftwareTester

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