

GETTING STARTED WITH API TESTING

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A LITTLE BIT ABOUT ME

I've been doing testing as a job for about 11 years now

I blog sometimes at offbeattesting.com

You can find me on twitter @offbeattesting

I have several video courses about various aspects of testing

I don't like chocolate

TERMINOLOGY

What is an API?

API DEFINITION

GET /bricks/tower => Return a tower made up of 3 different coloured bricks

GET /bricks/{colour} => Return a brick of the given colour

POST /bricks/{colour}

{brickSize:size} => Create a new brick of the given colour

PUT /bricks/{colour}/{id}

{brickSize:size} => Change the size of the given brick

DELETE /bricks/{colour}/{id} => Delete the given brick

TERMINOLOGY

✓ What is an API?

✓ CRUD

Create Read Update Delete

What about RESTful APIs?

TESTING APIS

Start With Exploration

(not tools)

EXPLORING AN API

Documentation

Requirements

Follow the landscape

EXAMPLE: GET TESTING

<https://swapi.co/>

API TESTING IS TESTING!

TESTING APIS

Search for business problems

(not just functional problems)

API TESTING IS TESTING!

TESTING APIS

Think about weird stuff

(not just happy paths)

API TESTING IS TESTING!

NOT ALL ABOUT TOOLS, BUT....

Let's talk about Postman

TERMINOLOGY

✓ What is an API?

✓ CRUD

✓ What about RESTful APIs?

Safe

Idempotent

EXAMPLE: NON-SAFE TESTING

<https://github.com/djwester/api-testing-foundations>

FURTHER STUDY

Authentication

Performance

Security

Tools

Availability and throttling

?