

REST APIs Development





Somkiat
Home

Somkiat Puisungnoen

Update Info 1

View Activity Log 10+

...

Timeline

About

Friends 3,138

Photos

More ▾

When did you work at Opendream?

×

...

22 Pending Items

Intro

Software Craftsmanship

Software Practitioner at สยามชำนานุกิจ พ.ศ. 2556

Agile Practitioner and Technical at SPRINT3r

Post

Photo/Video

Live Video

Life Event

What's on your mind?

Public ▾

Post

Somkiat Puisungnoen

15 mins · Bangkok · 🌐 ▾

Java and Bigdata

...



Facebook interface for the page **somkiat.cc**. The top navigation bar includes the Facebook logo, the page name **somkiat.cc**, a search icon, and user profile icons for **Somkiat** and **Home**. The main navigation bar features **Page**, **Messages**, **Notifications** (with a red badge showing 3), **Insights**, **Publishing Tools**, **Settings**, and **Help**.

The page content area displays a large video player showing a man in a white Superman t-shirt with "SOMKIAT.CC" printed on it, posing against a white wall. A blue call-to-action button is overlaid on the video, reading "Help people take action on this Page." with a close icon. Below the video, there are buttons for **Liked**, **Following**, **Share**, and a menu icon. A blue button labeled **+ Add a Button** is also visible.

The left sidebar shows the page name **somkiat.cc** and handle **@somkiat.cc**. Below this, a menu lists **Home**, **Posts**, **Videos**, and **Photos**.



Writing REST APIs with Node.js



1. Use HTTP Methods for APIs

Operation	HTTP Method
Create	POST
Read	GET
Update	PUT
Delete	DELETE



2. API Routes

Always use **Noun** as resource identifier



2. API Routes

Alway use **Noun** as resource identifier

Operation	HTTP Method	Routing
Create	POST PUT	/user /user/1
Read	GET	/user /user/1
Update	PATCH	/user/1
Delete	DELETE	/user/1



3. Use HTTP Status Code

HTTP Status Code	Description
2xx	Everything is OK
3xx	Resource was moved
4xx	Request can't fulfilled because of a client error
5xx	Something wrong in the API side



4. Use HTTP Header to send metadata

Authentication

Pagination

Rate limiting



5. Choose the right framework

express

 Feathers

koa

next generation web framework for node.js



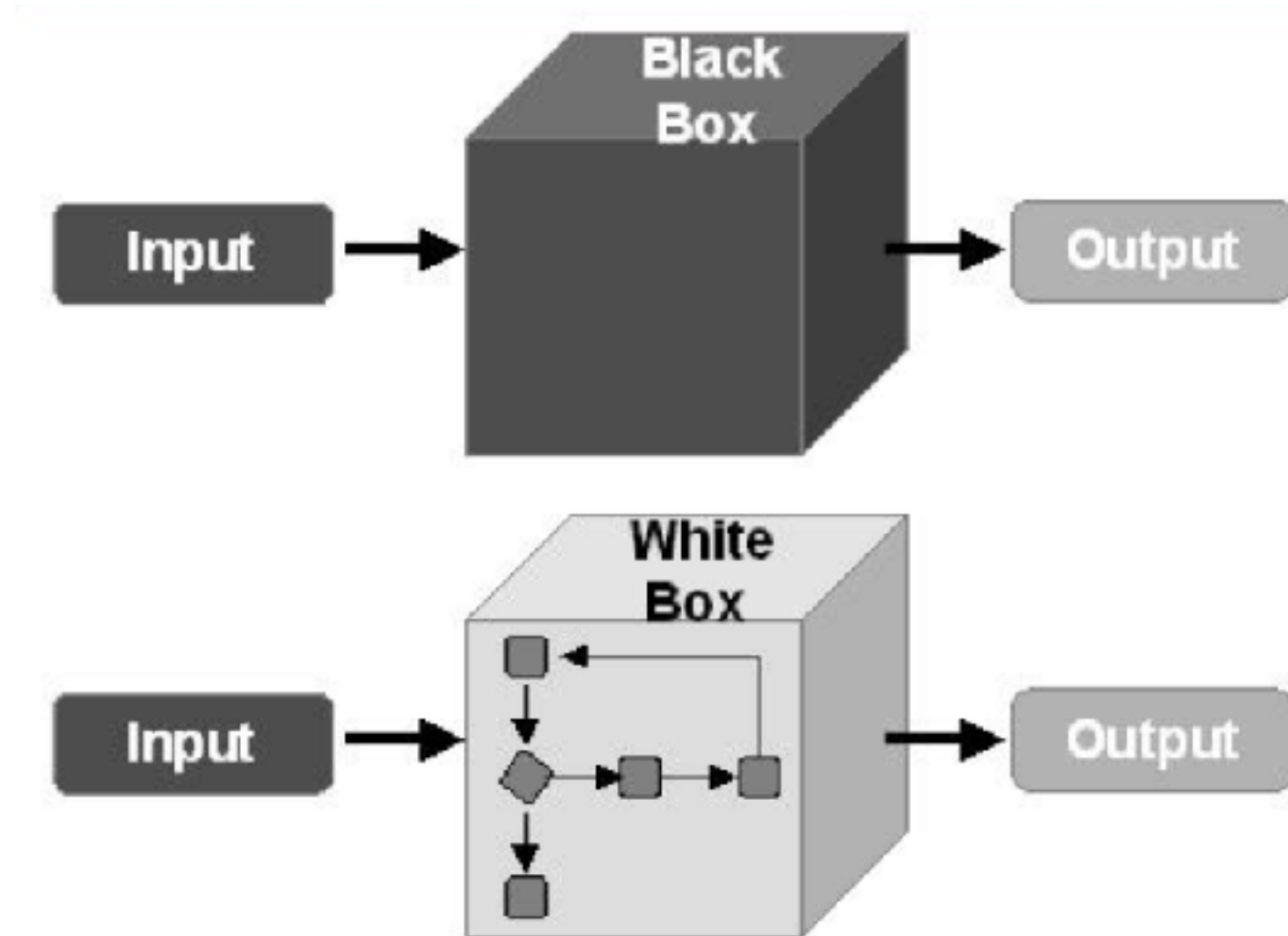
restify



hapi

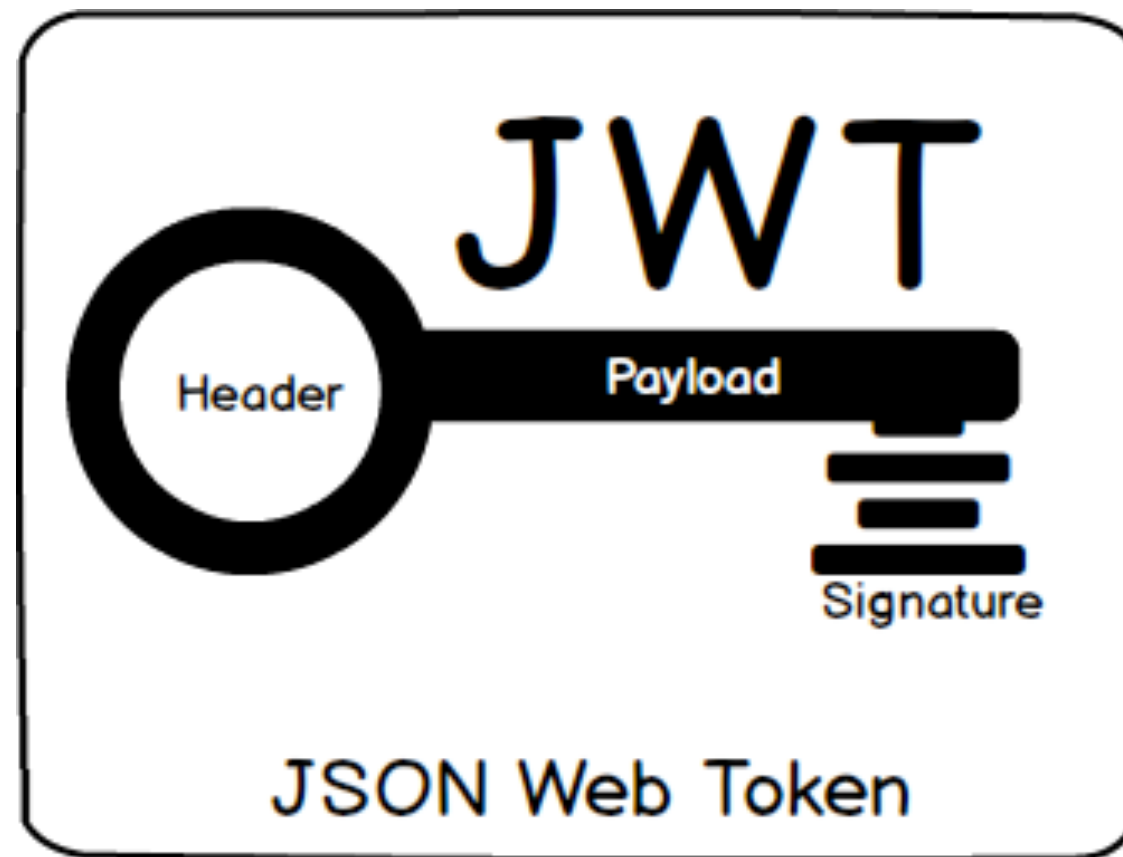


6. Testing for REST APIs

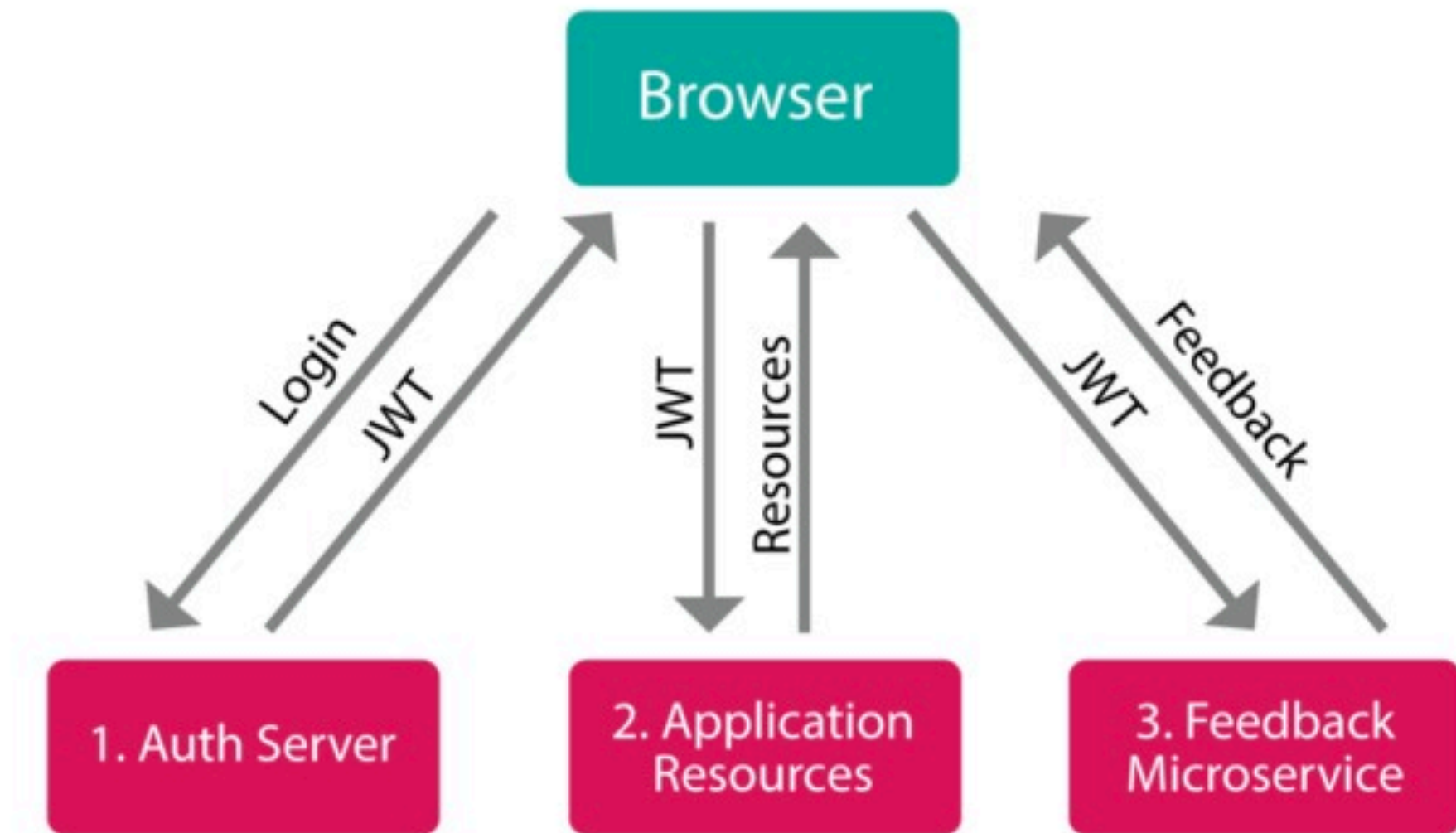


7. Authentication

Stateless such as JWT (JSON Web Token)



Flow of JWT



8. Rate Limiting

Use to control how many requests a given consumer can send to the API

HTTP Header Name	Description
X-Rate-Limit-Limit	# of requests allowed in a given time interval
X-Rate-Limit-Remaining	# of requests remaining in the same interval
X-Rate-Limit-Reset	the time when the rate limit will be reset



9. API Documentation

Swagger, API Blueprint

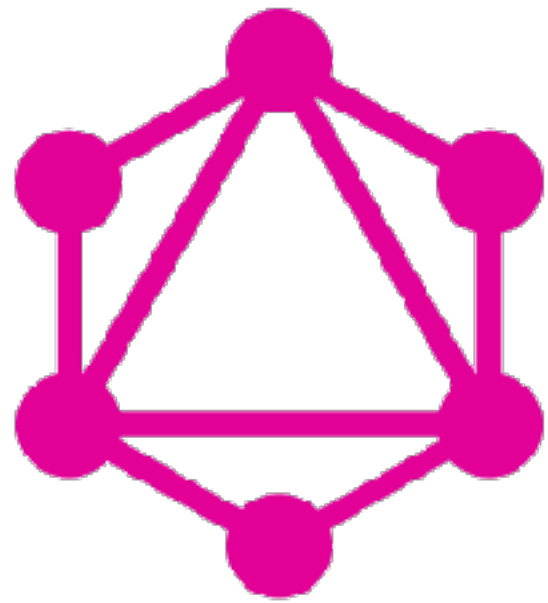


apiblueprint



More ...





GraphQL



Why we need to test ?

Help you to catch bugs

Develop features faster

Enforce modularity of your project



**But,
It's take time to learning and
practice !!**



Goals

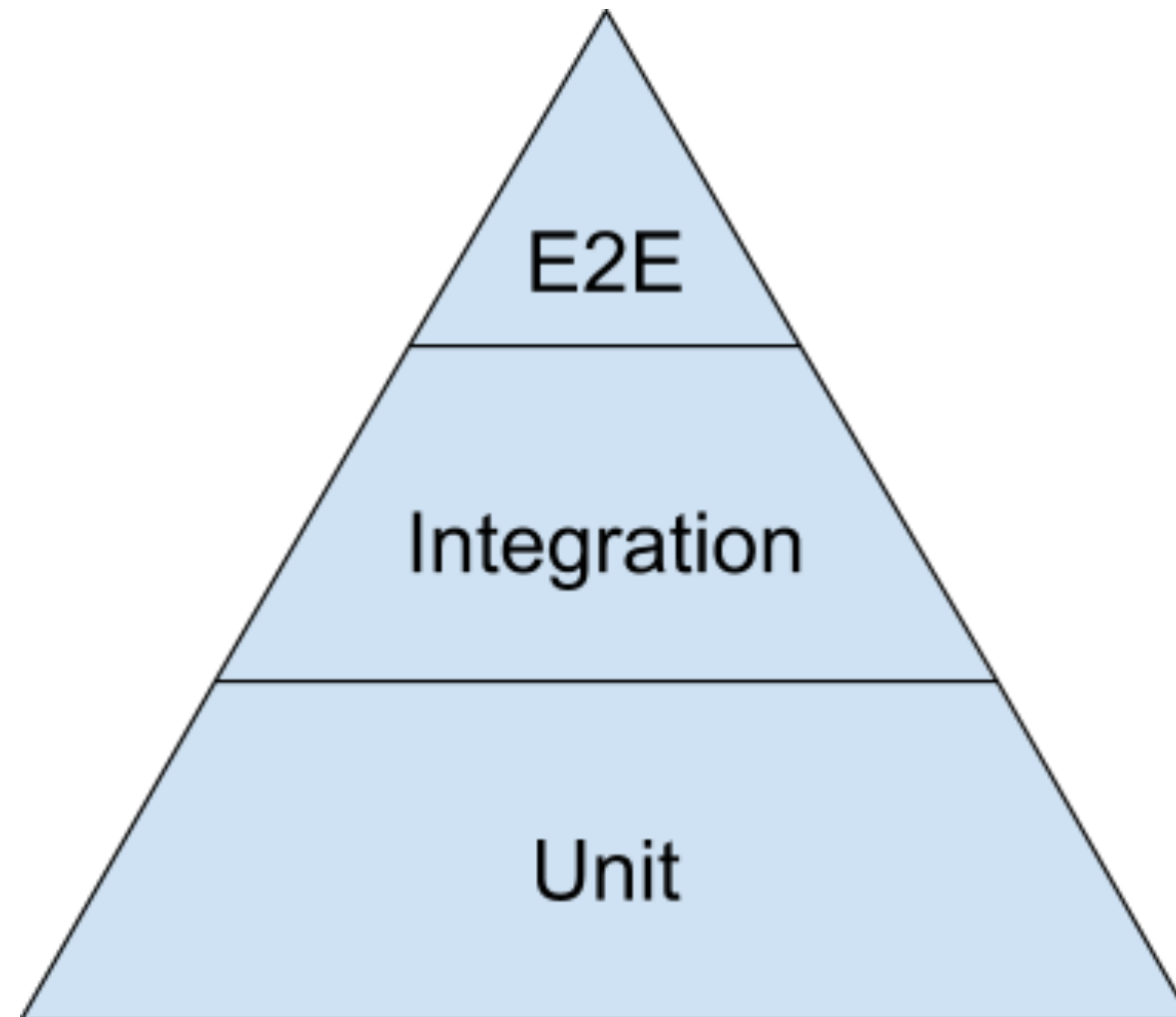
How to **THINK** when and where
you should test



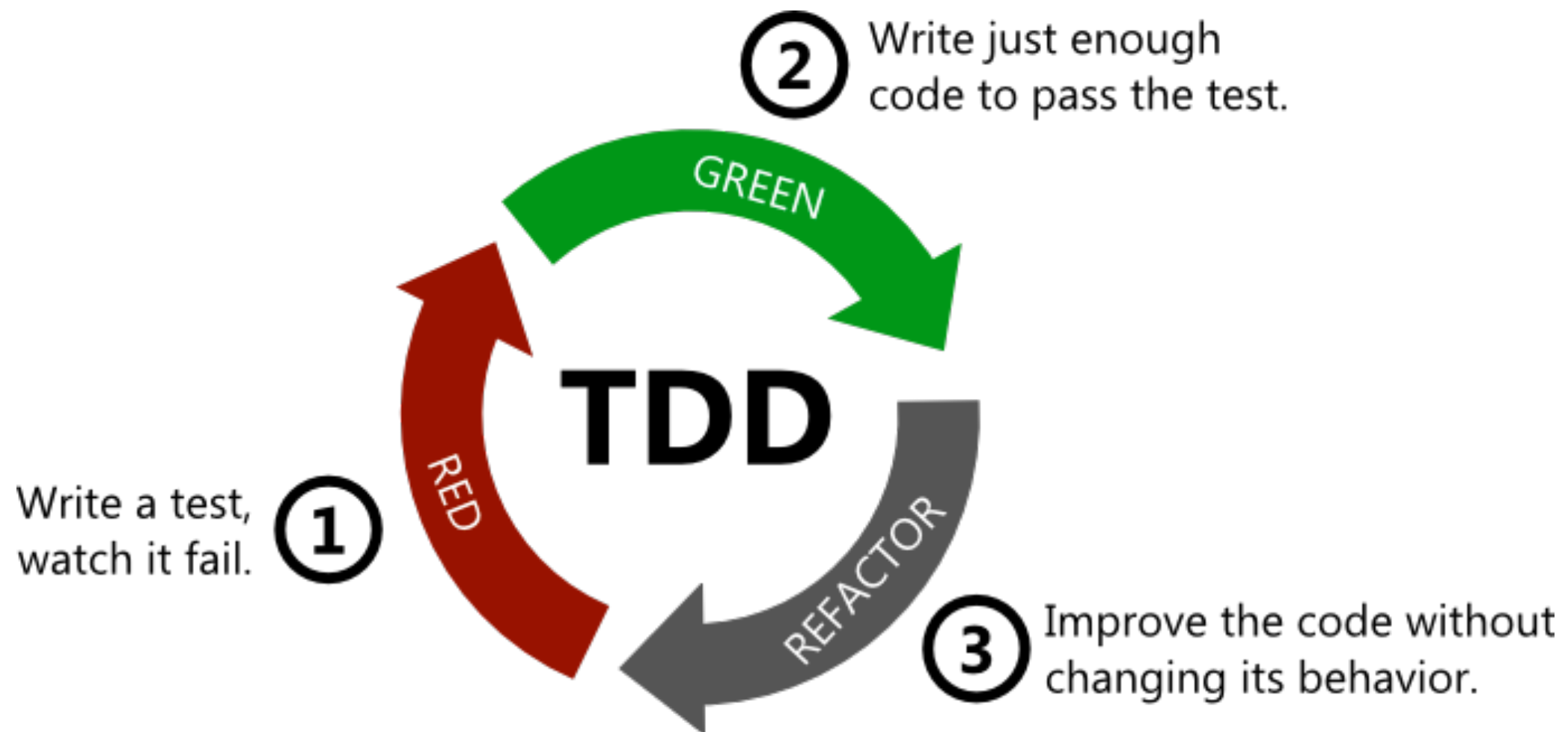
Type of testing



Testing Pyramid



Test-Driven Development



Workshop

