

Implementing REST Services

Web Programming and Testing



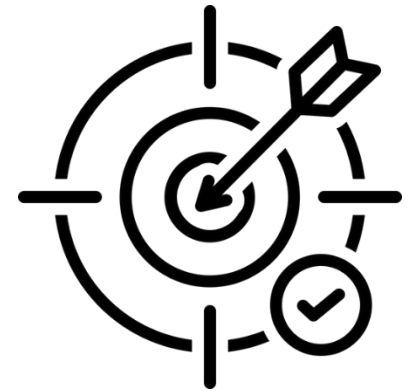
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Objectives

- The objective of this session is the following:
 - The students are able to develop REST-based services.
On this session, we focus on implementing API design.



Outlines

1. Case Study.
2. Limitation.
3. Demo.

Case Study

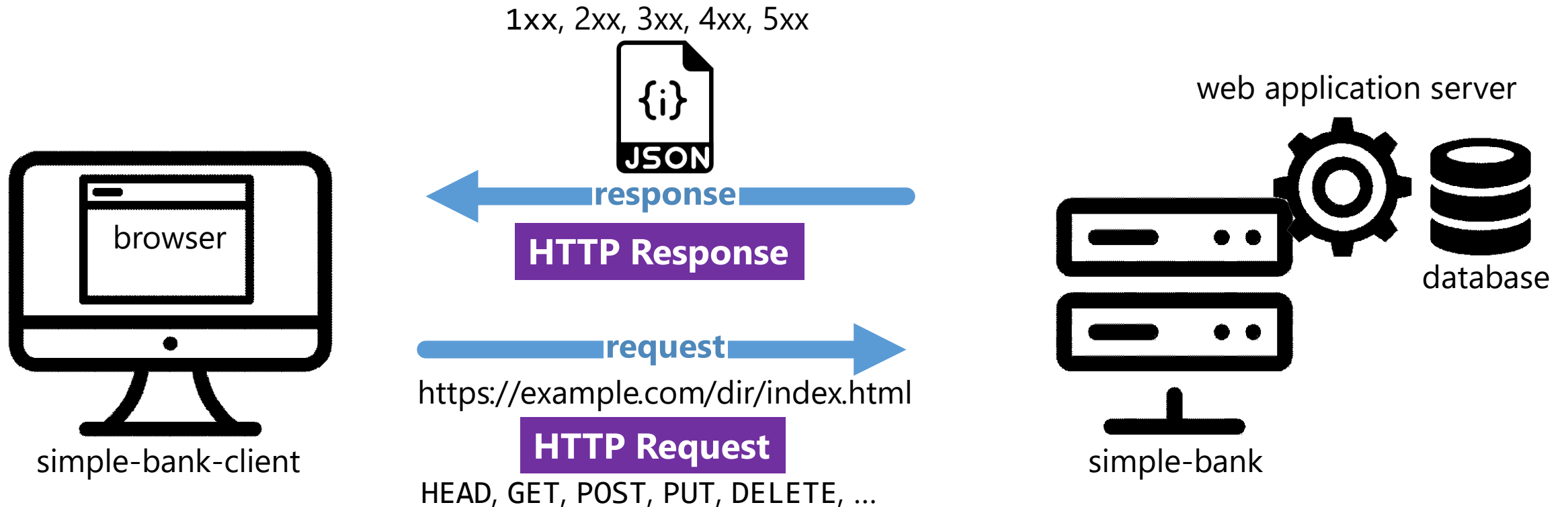
Service Provider: Simple Bank

- Simple Bank exposes some APIs:
 - To see the detail of a specific account ;
 - To issue a transaction;
 - To see the detail of a specific transaction;
 - To retrieve all transactions related to a customer;



See <https://github.com/itdel-ppw/simple-bank>

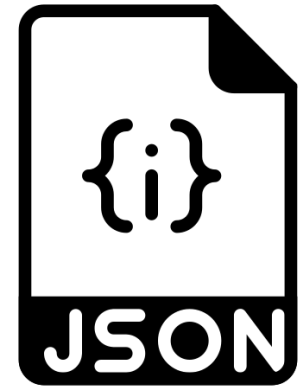
Request-Response Cycle



Limitations

Limitations

- The application was developed on top of Lumen, a PHP-based framework.
- The client (service consumer) was developed on top of Guzzle HTTP client.
 - See



See <https://github.com/itdel-ppw/simple-bank-client>

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9ddd24f 2 hours ago

2 commits



SoapUI

Add the application components

3 hours ago



app

Add the application components

3 hours ago



bootstrap

Add the application components

3 hours ago



database

Remove some initial data

2 hours ago



docs

Add the application components

3 hours ago



public

Add the application components

3 hours ago



resources/views

Add the application components

3 hours ago



routes

Add the application components

3 hours ago



storage

Add the application components

3 hours ago

About



The base project for REST API development and testing.

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Releases

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Languages

simaremare Add more action		930bc86 2 hours ago ⌚ 3 commits
.gitignore	Add the basic client	2 hours ago
README.md	Add the basic client	2 hours ago
bank-client.php	Add more action	2 hours ago
composer.json	Add the basic client	2 hours ago
composer.lock	Add the basic client	2 hours ago

DME.md



Simple Bank Client

A simple client based on Guzzle HTTP Client for <https://github.com/itdel-ppw/simple-bank>.

Installation

Setelah meng-*clone* repositori ini, silakan untuk meng-*install* semua *dependency* dengan menjalankan perintah berikut ini pada *command line*

```
composer install
```

Client for <https://github.com/itdel-ppw/simple-bank>.

📖 Readme

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No releases published

[Create a new release](#)

Packages

No packages published

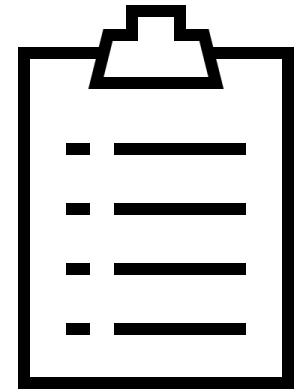
[Publish your first package](#)

Languages



To-dos

1. Implement your API design.
2. Next time we will discuss about testing methods and API testing.



Thank
you

