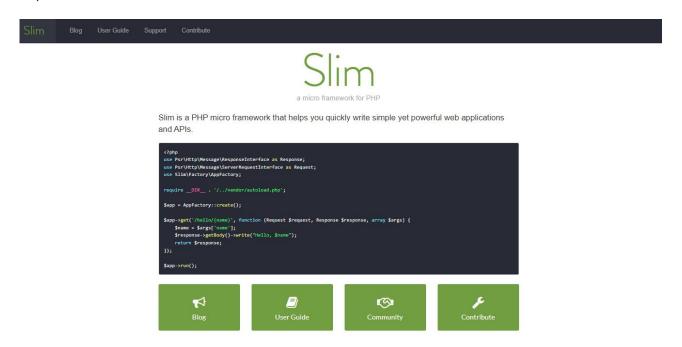
## Como criar uma API com o framework Slim Rafael Wendel Pinheiro

Vídeo: https://www.youtube.com/watch?v=WTf0lvJ0PLg

https://www.slimframework.com/



Versão mínima: PHP 7.2

## php-v

```
Roberto@DESKTOP-HGDUAQT MINGW64 /c/xampp/htdocs/criar_api_slim
$ php -v
PHP 7.4.29 (cli) (built: Apr 12 2022 20:21:18) ( ZTS Visual C++ 2017 x64 )
Copyright (c) The PHP Group
Zend Engine v3.4.0, Copyright (c) Zend Technologies
   with Zend OPcache v7.4.29, Copyright (c), by Zend Technologies

VCRIAR_API_SLIM
   > vendor
{} composer.json
{} composer.lock
```

## Instalando o framework Slim

composer require slim/slim

```
$ composer require slim/slim
Info from https://repo.packagist.org: #StandwithUkraine
Using version ^4.10 for slim/slim
./composer.json has been created
Running composer update slim/slim
Loading composer repositories with package information
Updating dependencies
Lock file operations: 8 installs, 0 updates, 0 removals
- Locking nikic/fast-route (v1.3.0)
- Locking psr/container (2.0.2)
- Locking psr/http-message (1.0.1)
- Locking psr/http-message (1.0.1)
- Locking psr/http-server-middleware (1.0.1)
- Locking psr/http-server-middleware (1.0.1)
- Locking psr/http-server-middleware (1.0.1)
- Locking psr/log (1.1.4)
- Locking psr/log (1.1.4)
- Locking psr/log (1.1.4)
- Downloading psr/http-server-handler (1.0.1)
- Downloading psr/container (2.0.2)
- Downloading psr/container (2.0.2)
- Downloading psr/container (2.0.2)
- Downloading psr/http-server-middleware (1.0.1)
- Downloading psr/http-server-middleware (1.0.1)
- Locking psr/log (1.1.4): Extracting archive
- Installing psr/http-message (1.0.1): Extracting archive
- Installing psr/http-server-handler (1.0.1): Extracting archive
- Installing psr/http-server-middleware (1.0.1): Extracting archive
- Installing psr/http-server-middleware (1.0.1): Extracting archive
- Installing psr/http-factory (1.0.1): Extracting archive
- Installing slim/slim (4.10.0): Extr
```

## Baixando e instalando o Slim PSR-7

composer require slim/psr7

```
Roberto@DESKTOP-HGDUAQT MINGW64 /c/xampp/htdocs/criar_api_slim
$ composer require slim/psr7
Info from https://repo.packagist.org: #StandWithUkraine
Using version ^1.5 for slim/psr7
./composer.json has been updated
Running composer update slim/psr7
Loading composer repositories with package information
Updating dependencies
 - Locking fig/http-message-util (1.1.5)
- Locking ralouphie/getallheaders (3.0.3)
 - Locking slim/psr7 (1.5)
  - Locking symfony/polyfill-php80 (v1.25.0)
Writing lock file
Package operations: 4 installs, 0 updates, 0 removals
  - Downloading fig/http-message-util (1.1.5)
  - Downloading slim/psr7 (1.5)
  - Installing symfony/polyfill-php80 (v1.25.0): Extracting archive
 - Installing ralouphie/getallheaders (3.0.3): Extracting archive
  - Installing fig/http-message-util (1.1.5): Extracting archive
 - Installing slim/psr7 (1.5): Extracting archive
Generating autoload files
```

#### .htaccess

RewriteEngine On RewriteCond %{REQUEST\_FILENAME} !-f RewriteCond %{REQUEST\_FILENAME} !-d Rewrite ^ index.php [QSA,L]

## index.php

```
<?php
use Psr\Http\Message\ResponseInterface as Response;
use Psr\Http\Message\ServerRequestInterface as Request;
use Slim\Factory\AppFactory;
require __DIR__ . '/vendor/autoload.php';

$app = AppFactory::create();

$app->get('/', function (Request $request, Response $response, $args) {
    $response->getBody()->write("Hello world!");
    return $response;
});

$app->run();
```

## **Subindo o servidor PHP**

php -S localhost:8000

```
Roberto@DESKTOP-HGDUAQT MINGW64 /c/xampp/htdocs/criar_api_slim

$ php -S localhost:8000

[Thu May 26 17:23:21 2022] PHP 7.4.29 Development Server (http://localhost:8000) started
```

localhost:8000



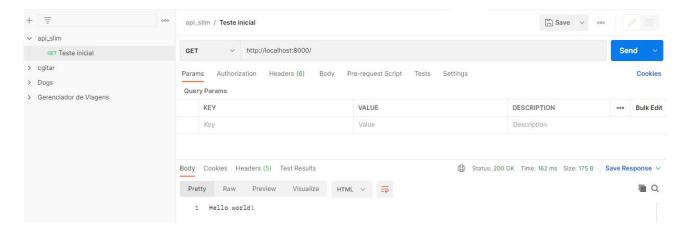
Hello world!

## **Usando o Postman**

## **Teste inicial**

## GET

http://localhost:8000/



## Listando todas as frutas

## index.php

```
<?php
use Psr\Http\Message\ResponseInterface as Response;
use Psr\Http\Message\ServerRequestInterface as Request;
use Slim\Factory\AppFactory;
require __DIR__ . '/vendor/autoload.php';
$app = AppFactory::create();
$app->get('/', function (Request $request, Response $response, $args) {
  $response->getBody()->write("Hello world!");
  return $response;
});
$app->get('/fruits', function (Request $request, Response $response, $args) {
  $fruits = [
     '1' => 'Banana',
     '2' => 'Laranja',
     '3' => 'Abacaxi'
  ];
  $response->getBody()->write(json_encode($fruits));
  return $response->withHeader('Content-Type', 'application/json');
});
$app->run();
```

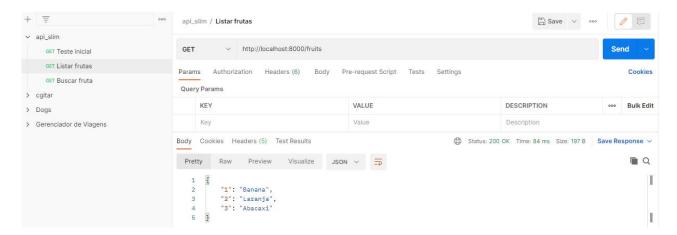
## http://localhost:8000/fruits

- No Postman:

## **Listando frutas**

#### **GET**

## http://localhost:8000/fruits



## **Buscando uma fruta**

http://localhost:8000/fruits/2

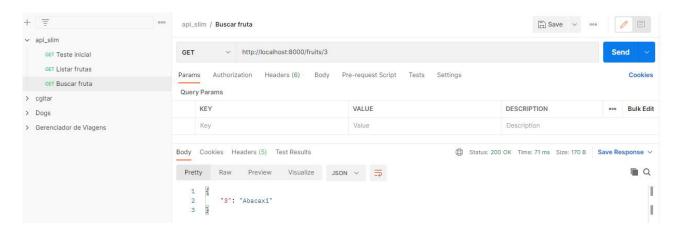
## index.php

```
<?php
use Psr\Http\Message\ResponseInterface as Response;
use Psr\Http\Message\ServerRequestInterface as Request;
use Slim\Factory\AppFactory;
require __DIR__ . '/vendor/autoload.php';
$app = AppFactory::create();
$app->get('/', function (Request $request, Response $response, $args) {
  $response->getBody()->write("Hello world!");
  return $response;
});
$app->get('/fruits', function (Request $request, Response $response, $args) {
  $fruits = [
     '1' => 'Banana',
     '2' => 'Laranja',
     '3' => 'Abacaxi'
  ];
  $response->getBody()->write(json_encode($fruits));
  return $response->withHeader('Content-Type', 'application/json');
});
$app->get('/fruits/{id}', function (Request $request, Response $response, $args) {
  fruits = [
     '1' => 'Banana',
     '2' => 'Laranja',
     '3' => 'Abacaxi'
  1;
  $fruit[$args['id']] = $fruits[$args['id']];
  $response->getBody()->write(json_encode(\fruit));
  return $response->withHeader('Content-Type', 'application/json');
});
$app->run();
```

No Postman:

## **Buscar fruta**

# GET http://localhost:8000/fruits/3



- No Postman:

### **Buscar fruta**

# GET http://localhost:8000/fruits

