

# Laravel 8 - Novidades

## Code Experts

### Aula 01 - O início

Setembro de 2020 marcou a chegada de uma das mais aguardadas atualizações dentro da comunidade de desenvolvimento: o Laravel 8 o lançamento da nova versão cheia de novidades! Com melhorias de segurança e autenticação além uma variedade de outras correções de bugs e melhorias de usabilidade.

O Laravel 8 continua com as melhorias feitas no Laravel 7.x, introduzindo Laravel Jetstream, classes de model factory, migration squashing para seus arquivos de migração, uma nova funcionalidade de Job Batching além de uma variedade de outras correções de bugs e melhorias de usabilidade.

### Requisitos de sistema para a instalação

- PHP na versão 7.3 ou superior
- BCMath PHP Extensão ativa
- CType PHP Extensão ativa
- Fileinfo PHP Extensão ativa
- JSON PHP Extensão ativa
- Mbstring PHP Extensão ativa
- OpenSSL PHP Extensão ativa
- PDO PHP Extensão ativa
- Tokenizer PHP Extensão ativa
- XML PHP Extensão ativa

### Models agora organizados dentro de uma pasta

Agora todos os desenvolvedores que sofriam com a organização das Models tiveram seus problemas encerrados. Se antes as models ficavam por padrão na pasta raiz de app, agora elas possuem uma pasta para chamar de sua: **app/Models**.

Todos os comandos relevantes do gerador foram atualizados para assumir que os modelos existem no diretório app/Models. O desenvolvedor ainda tem a liberdade de colocar suas models dentro do diretório raiz da pasta app sem maiores problemas. O que vale são as possibilidades para a organização de sua aplicação.

- Os models ao serem criados com o comando `php artisan make:model`, serão armazenados em `app\Models`. Caso a pasta Models seja excluída, os models serão armazenados diretamente na pasta app.

## Instalação global

```
composer global require laravel/installer
```

## Criando um projeto

```
laravel new laravel8_novidades
```

```
cd laravel8_novidades
```

```
php --version
```

```
C:\xampp\htdocs\laravel8_novidades>php --version
PHP 7.4.25 (cli) (built: Oct 20 2021 09:30:08) ( ZTS Visual C++ 2017 x64 )
Copyright (c) The PHP Group
Zend Engine v3.4.0, Copyright (c) Zend Technologies
```

```
laravel --version
```

```
C:\xampp\htdocs\laravel8_novidades>laravel --version
Laravel Installer 4.2.9
```

```
php artisan --version
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan --version
Laravel Framework 8.73.2
```

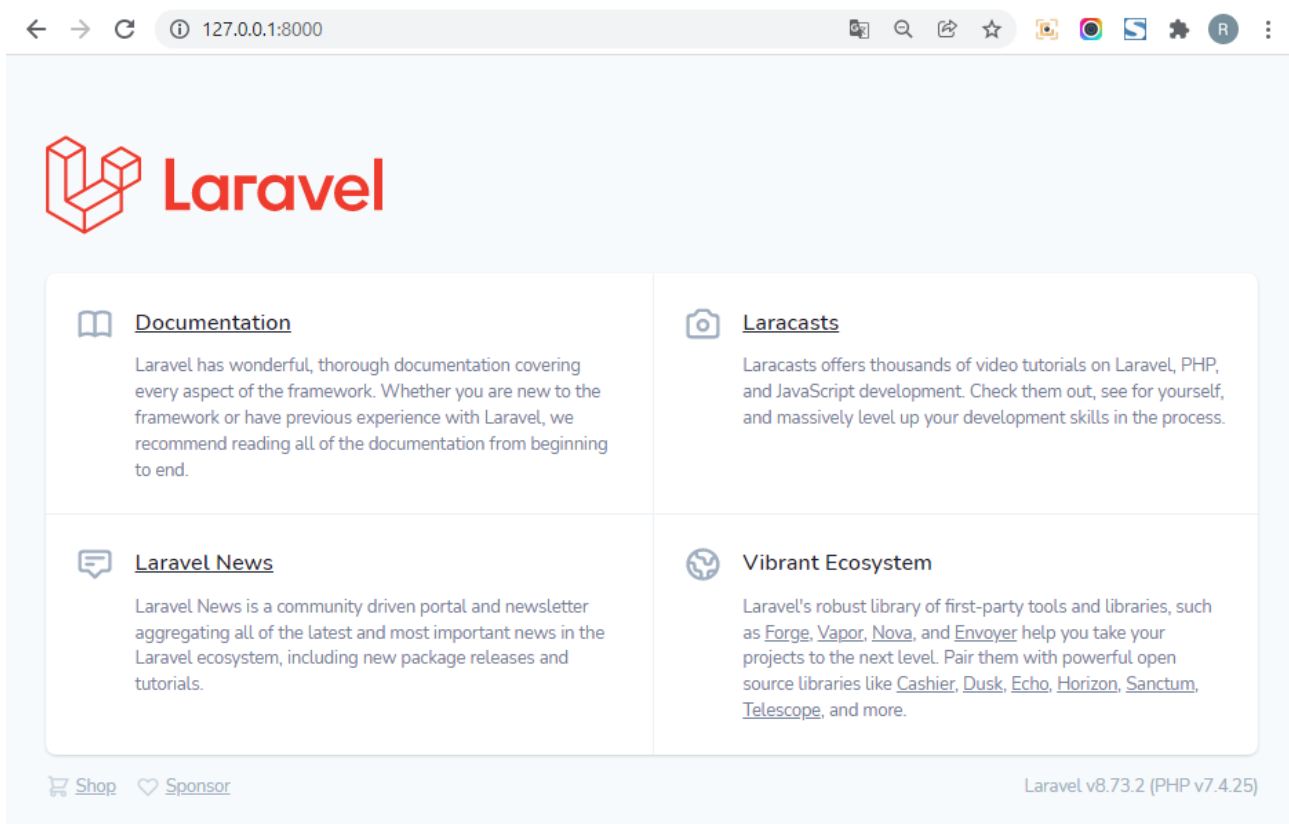
## Aula 02 - SchemaDump & Detalhes Sobre Rotas

Na pasta do projeto, entre com o seguinte comando:

```
php artisan serve
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Sat Nov 27 22:44:22 2021] PHP 7.4.25 Development Server (http://127.0.0.1:8000) started
```

<http://127.0.0.1:8000/>



### Criando um controller de testes

```
php artisan make:controller TestController
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan make:controller TestController
Controller created successfully.
```

## **app\Http\Controllers\TestController.php**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class TestController extends Controller
{
    public function index(){
        return "Meu controller: " . __CLASS__;
    }
}
```

## **Rotas no Laravel 8**

- Antes era assim...

### **routes/web.php**

```
<?php

use Illuminate\Support\Facades\Route;

/* Antes era assim... */
Route::get('/', 'TestController@index');
```

### **Roteamento de atualizações de namespace**

Em versões anteriores do Laravel, o RouteServiceProvider continha uma propriedade \$namespace. O valor desta propriedade seria automaticamente prefixado nas definições de rota do controlador e chamadas para o action helper / URL :: action method.

No Laravel 8.x, esta propriedade é nula por padrão. Isso significa que nenhum prefixo de namespace automático será feito pelo Laravel. Portanto, em novos aplicativos Laravel 8.x, as definições de rota do controlador devem ser definidas usando a sintaxe padrão de chamada do PHP.

```
use App\Http\Controllers\UserController;

Route::get('/users', [UserController::class, 'index']);
```

- No Laravel 8 é assim...

## routes/web.php

```
<?php
```

```
use App\Http\Controllers\TestController;
use Illuminate\Support\Facades\Route;

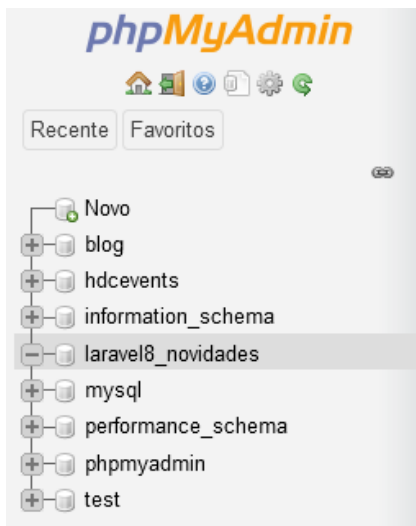
/* No Laravel 8... */
// Route::get('/', 'App\Http\Controllers\TestController@index');
// Route::get('/', ['App\Http\Controllers\TestController', 'index']);
Route::get('/', [TestController::class, 'index']);
```

← → ↻ ⓘ 127.0.0.1:8000

Meu controller: App\Http\Controllers\TestController

## SchemaDump

No PHPMYAdmin, crie um BD chamado `laravel8_novidades`.



## **.env**

```
APP_NAME=Laravel
APP_ENV=local
APP_KEY=base64:mgDKclxwpUfjz2bISkiUC1L2t/jpcwsa9RW8AXijwd0=
APP_DEBUG=true
APP_URL=http://laravel8_novidades.test

LOG_CHANNEL=stack
LOG_DEPRECATIONS_CHANNEL=null
LOG_LEVEL=debug

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=laravel8_novidades
DB_USERNAME=root
DB_PASSWORD=

BROADCAST_DRIVER=log
CACHE_DRIVER=file
FILESYSTEM_DRIVER=local
QUEUE_CONNECTION=sync
SESSION_DRIVER=file
SESSION_LIFETIME=120

MEMCACHED_HOST=127.0.0.1

REDIS_HOST=127.0.0.1
REDIS_PASSWORD=null
REDIS_PORT=6379

MAIL_MAILER=smtp
MAIL_HOST=mailhog
MAIL_PORT=1025
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
MAIL_FROM_ADDRESS=null
MAIL_FROM_NAME="${APP_NAME}"

AWS_ACCESS_KEY_ID=
AWS_SECRET_ACCESS_KEY=
AWS_DEFAULT_REGION=us-east-1
AWS_BUCKET=
AWS_USE_PATH_STYLE_ENDPOINT=false

PUSHER_APP_ID=
PUSHER_APP_KEY=
PUSHER_APP_SECRET=
PUSHER_APP_CLUSTER=mt1

MIX_PUSHER_APP_KEY="${PUSHER_APP_KEY}"
MIX_PUSHER_APP_CLUSTER="${PUSHER_APP_CLUSTER}"
```

```
php artisan migrate
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (1,080.80ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (744.72ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (558.96ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (1,406.89ms)
```

```
php artisan schema:dump
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan schema:dump
Database schema dumped successfully.
```

- Gera um arquivo sql dump, a partir das migrations.
- Cria uma nova pasta chamada **schema** dentro da pasta **database**, com um arquivo chamado **mysql-schema.dump**
- Normalmente é utilizado quando há um número grande de migrations.

## database\schema\mysql-schema.dump

```
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0
*/;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
DROP TABLE IF EXISTS `failed_jobs`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `failed_jobs` (
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,
  `uuid` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `connection` text COLLATE utf8mb4_unicode_ci NOT NULL,
  `queue` text COLLATE utf8mb4_unicode_ci NOT NULL,
  `payload` longtext COLLATE utf8mb4_unicode_ci NOT NULL,
  `exception` longtext COLLATE utf8mb4_unicode_ci NOT NULL,
  `failed_at` timestamp NOT NULL DEFAULT current_timestamp(),
  PRIMARY KEY (`id`),
  UNIQUE KEY `failed_jobs_uuid_unique` (`uuid`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
DROP TABLE IF EXISTS `migrations`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `migrations` (
  `id` int(10) unsigned NOT NULL AUTO_INCREMENT,
  `migration` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `batch` int(11) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
DROP TABLE IF EXISTS `password_resets`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `password_resets` (
  `email` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `token` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  KEY `password_resets_email_index` (`email`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
DROP TABLE IF EXISTS `personal_access_tokens`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `personal_access_tokens` (
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,
  `tokenable_type` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `tokenable_id` bigint(20) unsigned NOT NULL,
  `name` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `token` varchar(64) COLLATE utf8mb4_unicode_ci NOT NULL,
  `abilities` text COLLATE utf8mb4_unicode_ci DEFAULT NULL,
  `last_used_at` timestamp NULL DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `personal_access_tokens_token_unique` (`token`),
  KEY `personal_access_tokens_tokenable_type_tokenable_id_index`
  (`tokenable_type`,`tokenable_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```



```

DROP TABLE IF EXISTS `users`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client  = utf8 */;
CREATE TABLE `users` (
  `id` bigint(20) unsigned NOT NULL AUTO_INCREMENT,
  `name` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `email` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `email_verified_at` timestamp NULL DEFAULT NULL,
  `password` varchar(255) COLLATE utf8mb4_unicode_ci NOT NULL,
  `remember_token` varchar(100) COLLATE utf8mb4_unicode_ci DEFAULT NULL,
  `created_at` timestamp NULL DEFAULT NULL,
  `updated_at` timestamp NULL DEFAULT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `users_email_unique` (`email`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
/*!40101 SET character_set_client  = @saved_cs_client */;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

INSERT INTO `migrations` VALUES (1,'2014_10_12_000000_create_users_table',1);
INSERT INTO `migrations` VALUES
(2,'2014_10_12_100000_create_password_resets_table',1);
INSERT INTO `migrations` VALUES
(3,'2019_08_19_000000_create_failed_jobs_table',1);
INSERT INTO `migrations` VALUES
(4,'2019_12_14_000001_create_personal_access_tokens_table',1);

```

`php artisan schema:dump --prune`

Gera o dump e remove as migrations.

## Criando a migration para tabela de pedidos

```
php artisan make:migration create_orders_table
```

```
create_<nome_tabela>_table
```

Essa é a convenção para criar migrations

```
C:\xampp\htdocs\laravel8_novidades>php artisan make:migration create_orders_table
Created Migration: 2021_11_28_095107_create_orders_table
```

**database\migrations\2021\_11\_28\_095107\_create\_orders\_table.php**

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class CreateOrdersTable extends Migration
{
    public function up()
    {
        Schema::create('orders', function (Blueprint $table) {
            $table->id();
            $table->foreignId('user_id')->constrained()->cascadeOnDelete();
            $table->text('items');
            $table->string('reference');
            $table->timestamps();
        });
    }

    public function down()
    {
        Schema::dropIfExists('orders');
    }
}
```

- Apague a pasta **schema** e entre com:

```
php artisan migrate:fresh
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan migrate:fresh
Migrated: 2014_10_12_000000_create_users_table (934.17ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (513.53ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (690.30ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (954.77ms)
Migrating: 2021_11_28_095107_create_orders_table
Migrated: 2021_11_28_095107_create_orders_table (1,466.54ms)
```

db: laravel8\_novidades

Tabela	Acções	Registos	Tipo	Agrupamento (Collation)	Tamanho	Suspensão
<input type="checkbox"/> failed_jobs	Procurar  Estrutura  Pesquisar  Inserir  Limpa  Elimina	0	InnoDB	utf8mb4_unicode_ci	32.0 KB	-
<input type="checkbox"/> migrations	Procurar  Estrutura  Pesquisar  Inserir  Limpa  Elimina	5	InnoDB	utf8mb4_unicode_ci	16.0 KB	-
<input type="checkbox"/> orders	Procurar  Estrutura  Pesquisar  Inserir  Limpa  Elimina	0	InnoDB	utf8mb4_unicode_ci	32.0 KB	-
<input type="checkbox"/> password_resets	Procurar  Estrutura  Pesquisar  Inserir  Limpa  Elimina	0	InnoDB	utf8mb4_unicode_ci	32.0 KB	-
<input type="checkbox"/> personal_access_tokens	Procurar  Estrutura  Pesquisar  Inserir  Limpa  Elimina	0	InnoDB	utf8mb4_unicode_ci	48.0 KB	-
<input type="checkbox"/> users	Procurar  Estrutura  Pesquisar  Inserir  Limpa  Elimina	0	InnoDB	utf8mb4_unicode_ci	32.0 KB	-
6 tabelas	Soma	5	InnoDB	utf8mb4_general_ci	192.0 KB	0 Bytes

#	Nome	Tipo	Agrupamento (Collation)	Atributos	Nulo	Predefinido	Comentários	Extra	Acções
<input type="checkbox"/> 1	id	bigint(20)		UNSIGNED	Não	Nenhum		AUTO_INCREMENT	Muda  Elimina  Mais
<input type="checkbox"/> 2	user_id	bigint(20)		UNSIGNED	Não	Nenhum			Muda  Elimina  Mais
<input type="checkbox"/> 3	items	text	utf8mb4_unicode_ci		Não	Nenhum			Muda  Elimina  Mais
<input type="checkbox"/> 4	reference	varchar(255)	utf8mb4_unicode_ci		Não	Nenhum			Muda  Elimina  Mais
<input type="checkbox"/> 5	created_at	timestamp			Sim	NULL			Muda  Elimina  Mais
<input type="checkbox"/> 6	updated_at	timestamp			Sim	NULL			Muda  Elimina  Mais

## Aula 03 - Factories Melhorias

- Dentro da pasta `database`, a pasta que anteriormente era chamada de `seeds`, no Laravel 8 chama-se `seeders`.

### Classes de Model Factory

As model factories foram inteiramente reescritas e aprimoradas para serem utilizadas como classes (não são mais arquivos PHP com uma definição, como era anteriormente).

Graças ao novo trait `HasFactory` pode ser verificada a existência do factory disponível nos modelos gerados, sendo utilizada como descrito a seguir.

```
use App\Models\User;
```

```
User::factory()->count(50)->create();
```

Como as Model Factory agora são classes PHP simples, as transformações de estado podem ser escritas como métodos de classe, o que traz facilidade para adicionar outras classes auxiliares dentro dos seus Modelos. Exemplos completos dessa funcionalidade estão na documentação oficial do Laravel.

- A classe do factory está diretamente relacionada com o model.
- É possível trabalhar com factories, a partir do Model.

### Criando usuários a partir do arquivo de rotas

**routes/web.php**

```
<?php
```

```
use \App\Models\User;
use App\Http\Controllers\TestController;
use Illuminate\Support\Facades\Route;
```













```
Route::get('/', [TestController::class, 'index']);
```

```
Route::get('/factories', function(){
    User::factory()->count(4)->create();
});
```

- No browser, entre com:

**http://127.0.0.1:8000/factories**

- Serão criados 4 usuários:

		id	name	email	email_verified_at	password	remember_token	created_at	updated_at
<input type="checkbox"/>	  	1	Sean Kutch	douglas.gabe@example.org	2021-11-28 10:40:48	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	XpwKM4C3BM	2021-11-28 10:40:50	2021-11-28 10:40:50
<input type="checkbox"/>	  	2	Kelley Upton	birdie62@example.com	2021-11-28 10:40:49	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	W6XIZbALi6	2021-11-28 10:40:52	2021-11-28 10:40:52
<input type="checkbox"/>	  	3	Dr. Dasia Howe Jr.	bberge@example.org	2021-11-28 10:40:49	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	kxt9Qwai0D	2021-11-28 10:40:52	2021-11-28 10:40:52
<input type="checkbox"/>	  	4	Gail Will	rocky41@example.net	2021-11-28 10:40:49	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	lzjYeWz98N	2021-11-28 10:40:52	2021-11-28 10:40:52

## Criando usuários com o DatabaseSeeder

```
php artisan migrate:fresh
```

**database\seeders\DatabaseSeeder.php**

```
<?php
```































```
namespace Database\Seeders;
```

```
use Illuminate\Database\Seeder;
```

```
class DatabaseSeeder extends Seeder
{
    public function run()
    {
        \App\Models\User::factory(10)->create();
    }
}
```

```
php artisan db:seed
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan db:seed
Database seeding completed successfully.
```

		id	name	email	email_verified_at	password	remember_token	created_at	updated_at
<input type="checkbox"/>	  	1	Justice Heathcote	swaniawski.daisy@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	U9gpiY820Z	2021-11-28 10:54:00	2021-11-28 10:54:00
<input type="checkbox"/>	  	2	Humberto Hoppe IV	justen.goodwin@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	ydQ8VSMqEH	2021-11-28 10:54:00	2021-11-28 10:54:00
<input type="checkbox"/>	  	3	Pierre Mraz	pfeffer.wade@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	3JVIAK4L71	2021-11-28 10:54:00	2021-11-28 10:54:00
<input type="checkbox"/>	  	4	Miss Velva Zboncak MD	ellen10@example.com	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	pjRDAC2Yu0	2021-11-28 10:54:00	2021-11-28 10:54:00
<input type="checkbox"/>	  	5	Ms. Dominique Torp V	paul.klein@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	rLMJxWLxMs	2021-11-28 10:54:00	2021-11-28 10:54:00
<input type="checkbox"/>	  	6	Shane Williamson	yundt.bette@example.com	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	N0qDEhG2FT	2021-11-28 10:54:00	2021-11-28 10:54:00
<input type="checkbox"/>	  	7	Marlon Mertz	gamet85@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	OZVIN0228i	2021-11-28 10:54:01	2021-11-28 10:54:01
<input type="checkbox"/>	  	8	Deven Schumm	elliott.kiehn@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	3IJR5Cdio	2021-11-28 10:54:01	2021-11-28 10:54:01
<input type="checkbox"/>	  	9	Gust Wisoky	roberts.christopher@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	arpQv1XVzk	2021-11-28 10:54:01	2021-11-28 10:54:01
<input type="checkbox"/>	  	10	Helga Rueckert II	rylee.bremblay@example.org	2021-11-28 10:53:59	\$2y\$10\$92IXUNpkj00rQQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	Oqu51htuhu	2021-11-28 10:54:01	2021-11-28 10:54:01

## Criando o model para os pedidos

php artisan make:model Order

```
C:\xampp\htdocs\laravel8_novidades>php artisan make:model Order
Model created successfully.
```

## Relacionamentos entre tabelas

### app\Models\User.php

```
<?php
```

```
namespace App\Models;

use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Illuminate\Notifications\Notifiable;
use Laravel\Sanctum\HasApiTokens;

class User extends Authenticatable
{
    use HasApiTokens, HasFactory, Notifiable;

    protected $fillable = [
        'name',
        'email',
        'password',
    ];

    protected $hidden = [
        'password',
        'remember_token',
    ];

    protected $casts = [
        'email_verified_at' => 'datetime',
    ];

    public function orders(){
        return $this->hasMany(Order::class);
    }
}
```

## app\Models\Order.php

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Order extends Model
{
    use HasFactory;

    protected $fillable = ['user_id', 'items', 'reference'];

    public function user(){
        return $this->belongsTo(User::class);
    }
}
```

## Criando usuários e pedidos com as factories

### Gerando a factory para pedidos

```
php artisan make:factory OrderFactory
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan make:factory OrderFactory
Factory created successfully.
```

## database\factories\OrderFactory.php

```
<?php

namespace Database\Factories;

use \App\Models\User;
use Illuminate\Database\Eloquent\Factories\Factory;

class OrderFactory extends Factory
{
    public function definition()
    {
        return [
            'user_id' => User::factory(),
            'items' => 'items-' . rand(1,100),
            'reference' => 'x-' . rand(1,100),
        ];
    }
}
```

## Criando um seeder para pedidos

php artisan make:seeder OrdersTableSeeder

```
C:\xampp\htdocs\laravel18_novidades>php artisan make:seeder OrdersTableSeeder
Seeder created successfully.
```

database\seeders\OrdersTableSeeder.php

```
<?php
```

```
namespace Database\Seeders;
```

```
use \App\Models\Order;
```

```
use Illuminate\Database\Seeder;
```

```
class OrdersTableSeeder extends Seeder
```

```
{
```

```
    public function run()
```

```
    {
```

```
        Order::factory(2)->create();
```

```
    }
```

```
}
```

## Criando um seeder para usuários

php artisan make:seeder UsersTableSeeder

```
C:\xampp\htdocs\laravel18_novidades>php artisan make:seeder UsersTableSeeder
Seeder created successfully.
```

database\seeders\UsersTableSeeder.php

```
<?php
```

```
namespace Database\Seeders;
```

```
use \App\Models\User;
```

```
use Illuminate\Database\Seeder;
```

```
class UsersTableSeeder extends Seeder
```

```
{
```

```
    public function run()
```

```
    {
```

```
        User::factory(10)->create();
```

```
    }
```

```
}
```



## Linkando os seeders criados com o DatabaseSeeder

database\seeders\DatabaseSeeder.php

```
<?php

namespace Database\Seeders;

use Illuminate\Database\Seeder;

class DatabaseSeeder extends Seeder
{
    public function run()
    {
        $this->call([
            UsersTableSeeder::class,
            OrdersTableSeeder::class
        ]);
    }
}
```

## Gerando os registros

```
php artisan migrate:fresh
```

```
php artisan db:seed
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan db:seed
Seeding: Database\Seeders\UsersTableSeeder
Seeded: Database\Seeders\UsersTableSeeder (599.10ms)
Seeding: Database\Seeders\OrdersTableSeeder
Seeded: Database\Seeders\OrdersTableSeeder (1,987.91ms)
Database seeding completed successfully.
```

				id	user_id	items	reference	created_at	updated_at
<input type="checkbox"/>	✎	🔍	🗑	1	11	items-60	x-11	2021-11-28 12:14:56	2021-11-28 12:14:56
<input type="checkbox"/>	✎	🔍	🗑	2	12	items-38	x-65	2021-11-28 12:14:56	2021-11-28 12:14:56

				id	name	email	email_verified_at	password	remember_token	created_at	updated_at
<input type="checkbox"/>	✎	🔍	🗑	1	Mr. Alford Hane	antonio.abshire@example.org	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	womrCF99xp	2021-11-28 12:14:53	2021-11-28 12:14:53
<input type="checkbox"/>	✎	🔍	🗑	2	Dominique Mills III	leffler.maria@example.net	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	3yPVXk8wS	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	3	Nya Schuster Sr.	keshawn.cremim@example.org	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	oH3LHjCFBN	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	4	Amie Simonis	ngibson@example.org	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	49O1IFb4H5	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	5	Jerrell Klein PhD	lia20@example.net	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	w3O8NFbdhK	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	6	Susana Schowalter	thelma37@example.com	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	4vCVBlsq54	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	7	Mr. Terrence Swaniawski	habshire@example.net	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	tfYjSGCeyP	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	8	Fabian Muller	ddekow@example.com	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	dmYGGQc3p	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	9	Madie Weber MD	janiya12@example.com	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	aEa2UW8In	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	10	Linnea Connelly	schowalter.danny@example.net	2021-11-28 12:14:53	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	AV4eib8Tw4	2021-11-28 12:14:54	2021-11-28 12:14:54
<input type="checkbox"/>	✎	🔍	🗑	11	Prof. Andrew Hegmann Sr.	princess.weimann@example.org	2021-11-28 12:14:56	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	hLVhT5QTYF	2021-11-28 12:14:56	2021-11-28 12:14:56
<input type="checkbox"/>	✎	🔍	🗑	12	Ms. Danyka Corwin	antonette30@example.org	2021-11-28 12:14:56	\$2y\$10\$92dXUNpj00rOQ5byMi.Ye4oKoEa3Ro9IIc/.og/at2...	XYVVVq6KqV5	2021-11-28 12:14:56	2021-11-28 12:14:56

## Aula 04 - Rate Limiting

Define o número de requisições API que podem ser feitas por minuto.

Anteriormente (máximo de 60 requisições por minuto):

```
'api' => [  
    'throttle:60,1',  
    \Illuminate\Routing\Middleware\SubstituteBindings::class,  
],
```

No Laravel8:

**app\Http\Kernel.php**

```
<?php  
  
namespace App\Http;  
  
use Illuminate\Foundation\Http\Kernel as HttpKernel;  
  
class Kernel extends HttpKernel  
{  
    protected $middleware = [  
        // \App\Http\Middleware\TrustHosts::class,  
        \App\Http\Middleware\TrustProxies::class,  
        \Fruitcake\Cors\HandleCors::class,  
        \App\Http\Middleware\PreventRequestsDuringMaintenance::class,  
        \Illuminate\Foundation\Http\Middleware\ValidatePostSize::class,  
        \App\Http\Middleware\TrimStrings::class,  
        \Illuminate\Foundation\Http\Middleware\ConvertEmptyStringsToNull::class,  
    ];  
  
    protected $middlewareGroups = [  
        'web' => [  
            \App\Http\Middleware\EncryptCookies::class,  
            \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,  
            \Illuminate\Session\Middleware\StartSession::class,  
            // \Illuminate\Session\Middleware\AuthenticateSession::class,  
            \Illuminate\View\Middleware\ShareErrorsFromSession::class,  
            \App\Http\Middleware\VerifyCsrfToken::class,  
            \Illuminate\Routing\Middleware\SubstituteBindings::class,  
        ],  
  
        'api' => [  
            'throttle:api',  
            \Illuminate\Routing\Middleware\SubstituteBindings::class,  
        ],  
    ];  
  
    protected $routeMiddleware = [  
        'auth' => \App\Http\Middleware\Authenticate::class,  
        'auth.basic' => \Illuminate\Auth\Middleware\AuthenticateWithBasicAuth::class,  
        'cache.headers' => \Illuminate\Http\Middleware\SetCacheHeaders::class,  
        'can' => \Illuminate\Auth\Middleware\Authorize::class,  
        'guest' => \App\Http\Middleware\RedirectIfAuthenticated::class,  
        'password.confirm' => \Illuminate\Auth\Middleware\RequirePassword::class,  
        'signed' => \Illuminate\Routing\Middleware\ValidateSignature::class,  
        'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class,  
        'verified' => \Illuminate\Auth\Middleware\EnsureEmailIsVerified::class,  
    ];  
}
```

## **app\Providers\RouteServiceProvider.php**

```
<?php

namespace App\Providers;

use Illuminate\Cache\RateLimiting\Limit;
use Illuminate\Foundation\Support\Providers\RouteServiceProvider as ServiceProvider;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\RateLimiter;
use Illuminate\Support\Facades\Route;

class RouteServiceProvider extends ServiceProvider
{
    public const HOME = '/home';

    // protected $namespace = 'App\Http\Controllers';

    public function boot()
    {
        $this->configureRateLimiting();

        $this->routes(function () {
            Route::prefix('api')
                ->middleware('api')
                ->namespace($this->namespace)
                ->group(base_path('routes/api.php'));

            Route::middleware('web')
                ->namespace($this->namespace)
                ->group(base_path('routes/web.php'));
        });
    }

    protected function configureRateLimiting()
    {
        RateLimiter::for('api', function (Request $request) {
            return Limit::perMinute(60)->by(optional($request->user())->id ?: $request-
>ip());
        });
    }
}
```

- Altere de 60 requisições por minuto para 4 requisições por minuto:

## **app\Providers\RouteServiceProvider.php**

```
<?php

namespace App\Providers;

use Illuminate\Cache\RateLimiting\Limit;
use Illuminate\Foundation\Support\Providers\RouteServiceProvider as ServiceProvider;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\RateLimiter;
use Illuminate\Support\Facades\Route;

class RouteServiceProvider extends ServiceProvider
{
    public const HOME = '/home';

    // protected $namespace = 'App\Http\Controllers';

    public function boot()
    {
        $this->configureRateLimiting();
```

```

        $this->routes(function () {
            Route::prefix('api')
                ->middleware('api')
                ->namespace($this->namespace)
                ->group(base_path('routes/api.php'));

            Route::middleware('web')
                ->namespace($this->namespace)
                ->group(base_path('routes/web.php'));
        });
    }

    protected function configureRateLimiting()
    {
        RateLimiter::for('api', function (Request $request) {
            return Limit::perMinute(4)->by(optional($request->user())->id ?: $request-
>ip());
        });
    }
}

```

## routes\api.php

```

<?php

use Illuminate\Http\Request;
use Illuminate\Support\Facades\Route;

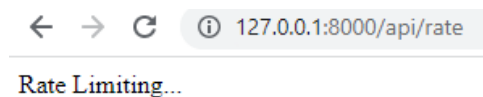
Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
    return $request->user();
});

Route::get('/rate', fn() => 'Rate Limiting...');

```

php artisan serve

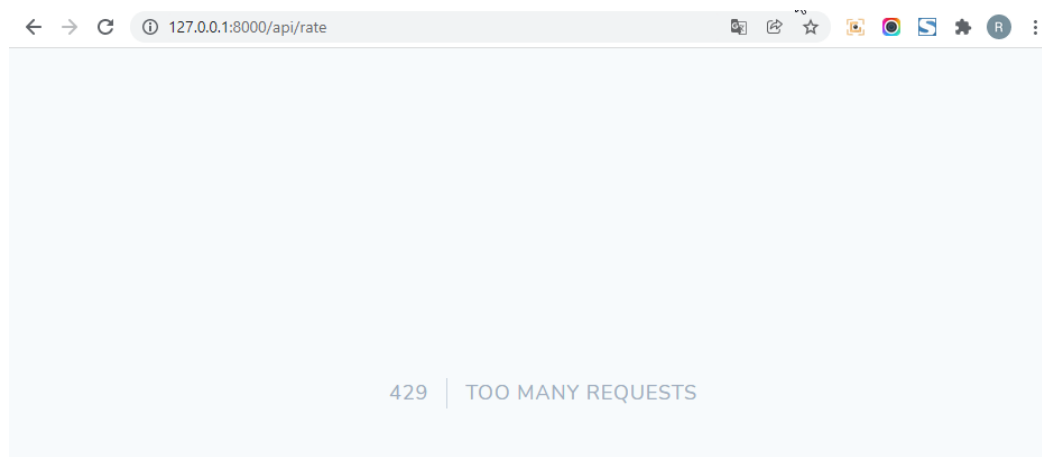
**http://127.0.0.1:8000/api/rate**



← → ↻ ⓘ 127.0.0.1:8000/api/rate

Rate Limiting...

- Na quarta requisição (atualizando a página):



## app\Providers\RouteServiceProvider.php

```
<?php
```

```
namespace App\Providers;
```

```
use Illuminate\Cache\RateLimiting\Limit;
use Illuminate\Foundation\Support\Providers\RouteServiceProvider as ServiceProvider;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\RateLimiter;
use Illuminate\Support\Facades\Route;
```

```
class RouteServiceProvider extends ServiceProvider
```

```
{
    public const HOME = '/home';

    // protected $namespace = 'App\Http\Controllers';
```

```
    public function boot()
```

```
    {
        $this->configureRateLimiting();
```

```
        $this->routes(function () {
            Route::prefix('api')
                ->middleware('api')
                ->namespace($this->namespace)
                ->group(base_path('routes/api.php'));

```

```
            Route::middleware('web')
                ->namespace($this->namespace)
                ->group(base_path('routes/web.php'));
        });
    }
```

```
    protected function configureRateLimiting()
```

```
    {
        RateLimiter::for('api', function (Request $request) {
            return Limit::perMinute(60)->by(optional($request->user())->id ?: $request-
>ip());
        });
    }
```

```
        RateLimiter::for('xpto', function (Request $request) {
            return Limit::perMinute(5)->by(optional($request->user())->id ?: $request-
>ip());
        });
    }
```

```
    }
}
```

## routes\api.php

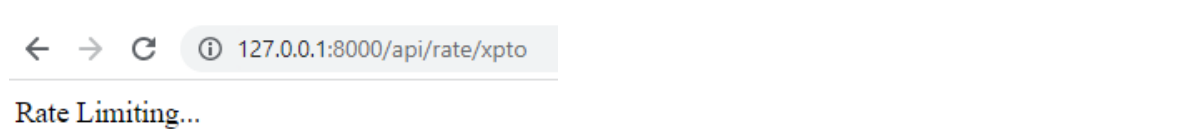
```
<?php

use Illuminate\Http\Request;
use Illuminate\Support\Facades\Route;

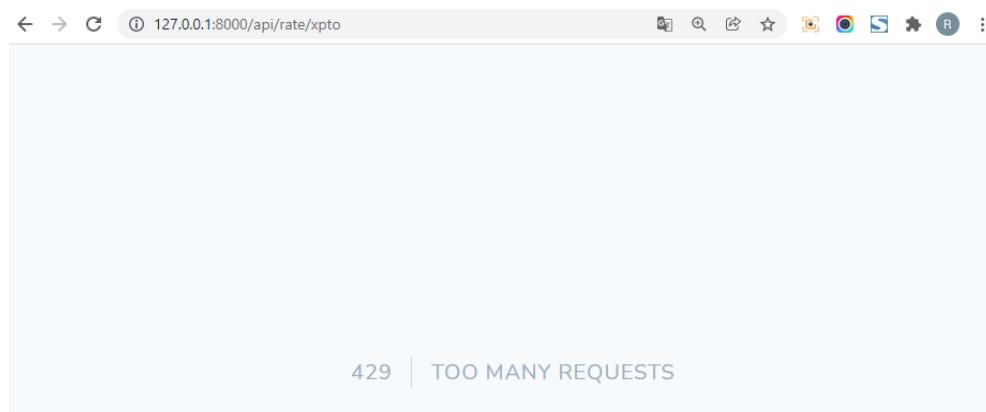
Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
    return $request->user();
});

Route::get('/rate', fn() => 'Rate Limiting...');
Route::get('/rate/xpto', fn() => 'Rate Limiting...')->middleware('throttle:xpto');
```

http://127.0.0.1:8000/api/rate/xpto



- Na quinta requisição (atualizando a página):



É possível controlar por grupo de usuários, um tipo de requisição. Exemplo: usuário que é cliente vip sem limite de requisições, e se cliente não for vip fica limitado a 100 requisições por minuto.

## Aula 05 - Modo de Manutenção

Em versões anteriores do Laravel, o recurso do modo de manutenção do php artisan podia ser contornado usando uma "lista de permissão" de endereços IP que tinham autorização para acessar o aplicativo. Este recurso foi removido em favor de uma solução mais simples - **secret** - em que uma senha é criada para se ter acesso a aplicação.

Confira esse exemplo abaixo.

```
php artisan down --secret="1630542a-246b-4b66-afa1-dd72a4c43515"
```

Após esse comando ser executado, a aplicação ou site em "segredo" poderá ser acessada por meio de uma combinação de endereço + senha criada, desta forma.

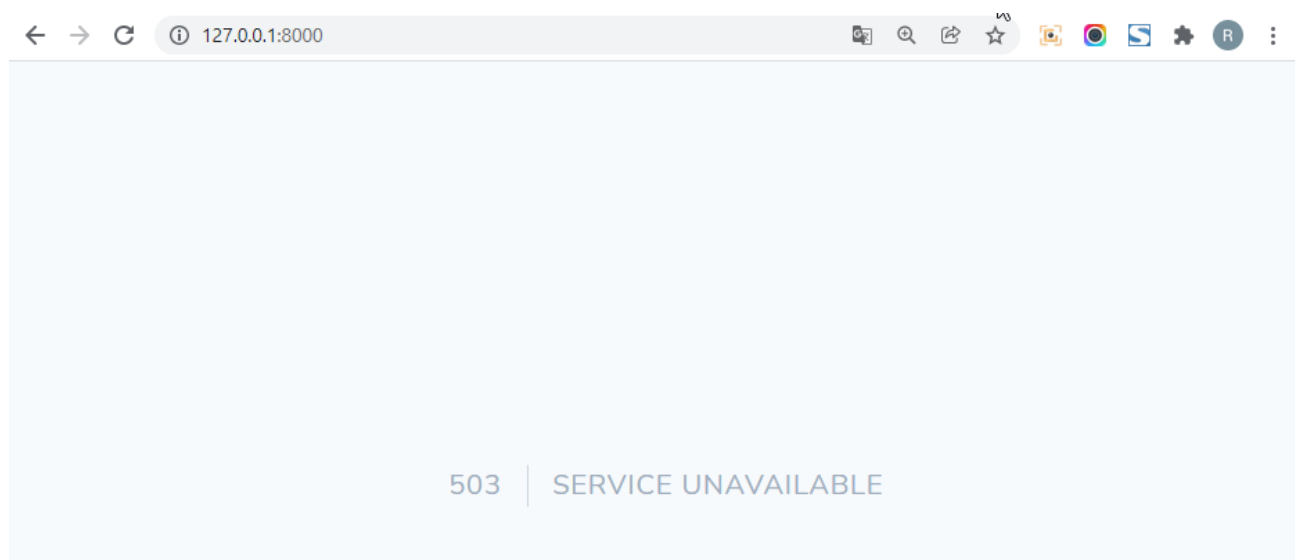
<https://example.com/1630542a-246b-4b66-afa1-dd72a4c43515>

Isso acontece porque o Laravel emitirá um cookie de desvio de modo de manutenção para o seu navegador web, podendo então navegar normalmente como se aplicativo ou site não estivesse em modo de manutenção. Pense em como esse recurso poderá ajudar a exibir seu projeto nas reuniões!

### Colocando em mode de manutenção

```
php artisan down
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan down
Application is now in maintenance mode.
```



## Subindo após a manutenção

```
php artisan up
```

```
C:\xampp\htdocs\laravel18_novidades>php artisan up
Application is now live.
```

### routes\web.php

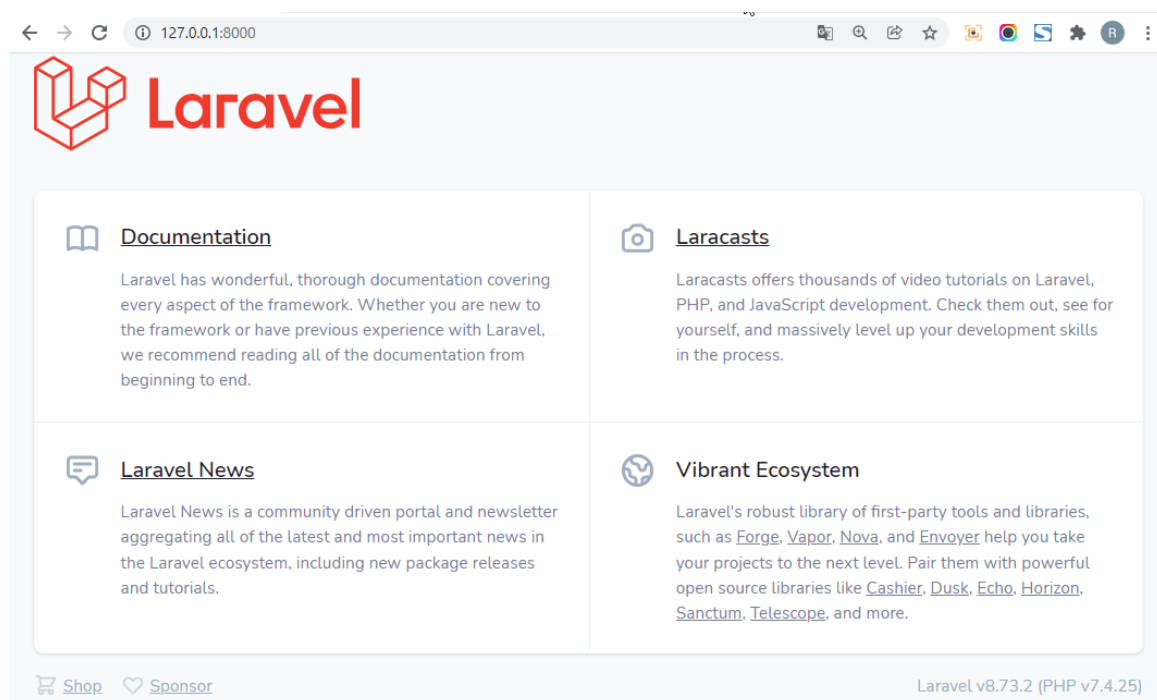
```
<?php
```

```
use \App\Models\User;
use App\Http\Controllers\TestController;
use Illuminate\Support\Facades\Route;
```

```
Route::get('/', function(){
    return view('welcome');
});
```

```
Route::get('/test', [TestController::class, 'index']);
```

```
Route::get('/factories', function(){
    User::factory()->count(4)->create();
});
```





```
php artisan down --help
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan down --help
Description:
  Put the application into maintenance / demo mode

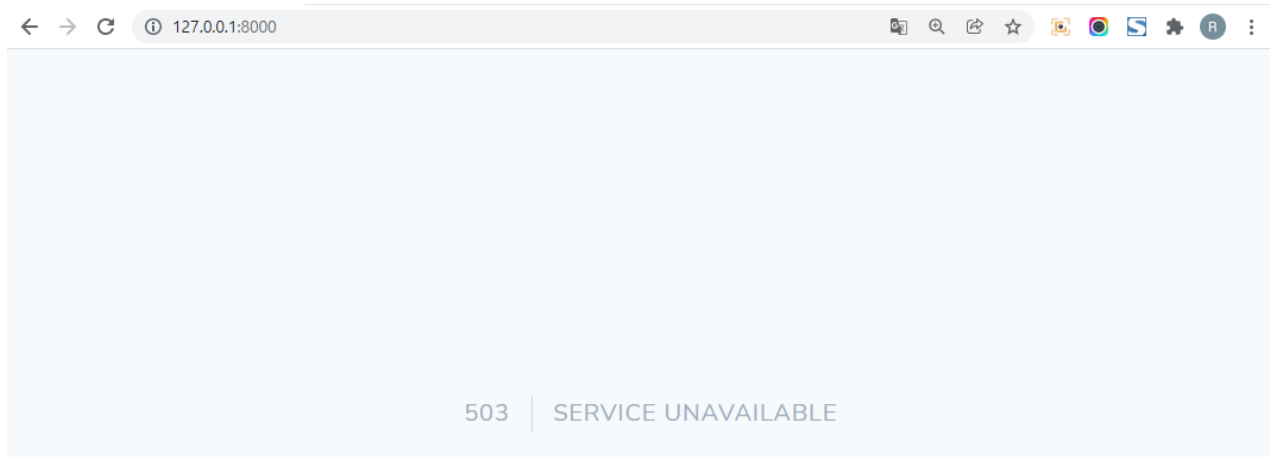
Usage:
  down [options]

Options:
  --redirect[=REDIRECT] The path that users should be redirected to
  --render[=RENDER]      The view that should be prerendered for display during maintenance mode
  --retry[=RETRY]        The number of seconds after which the request may be retried
  --refresh[=REFRESH]    The number of seconds after which the browser may refresh
  --secret[=SECRET]      The secret phrase that may be used to bypass maintenance mode
  --status[=STATUS]      The status code that should be used when returning the maintenance mode response [default: "503"]
  -h, --help             Display help for the given command. When no command is given display help for the list command
  -q, --quiet            Do not output any message
  -V, --version          Display this application version
  --ansi|--no-ansi       Force (or disable --no-ansi) ANSI output
  -n, --no-interaction   Do not ask any interactive question
  --env[=ENV]            The environment the command should run under
  -v|vv|vvv, --verbose  Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug
```

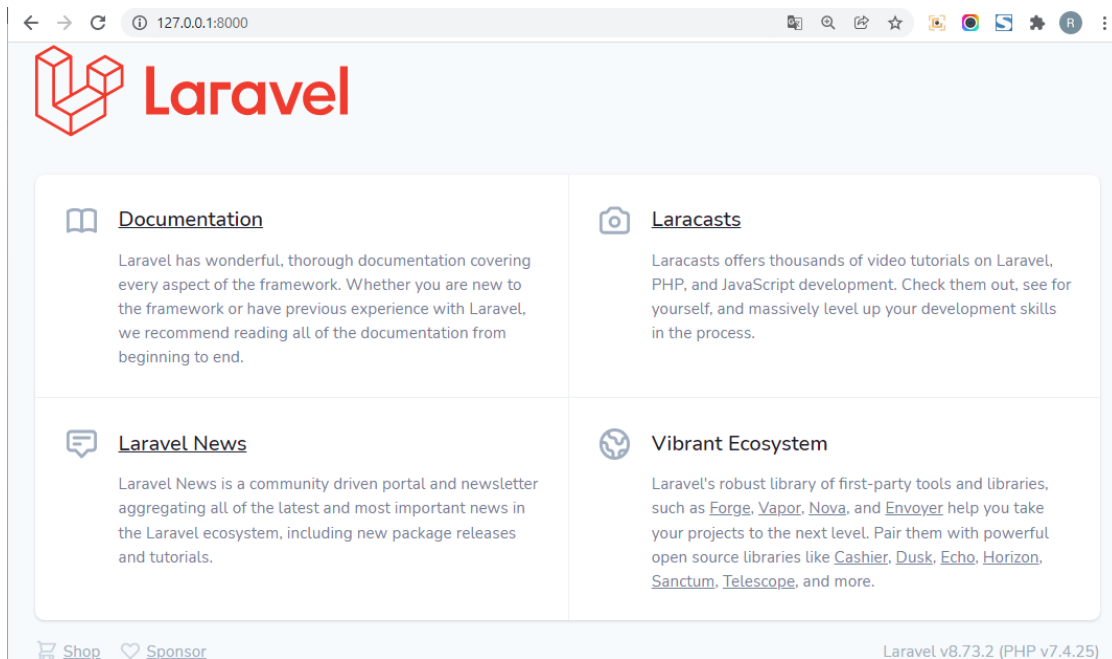
```
php artisan down --secret=testing
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan down --secret=testing
Application is now in maintenance mode.
```

```
http://127.0.0.1:8000/
```



`http://127.0.0.1:8000/testing`



`php artisan up`

## Aula 06 - Conhecendo o Laravel Jetstream

Laravel Jetstream é um scaffold de autenticação. É um pacote que gera uma aplicação base para user usada inicialmente em seu projeto com Laravel. Ele inclui login, registro, verificação de email, autenticação em dois fatores, gerenciamento de sessão, suporte a API e gerenciamento de usuários. Este pacote irá substituir o atual template base de autenticação que existe no Laravel. Laravel UI será descontinuado.

Por baixo dos panos Jetstream usa **Tailwind CSS** e oferece a opção de usar **Livewire** ou **Inertia**.

### Livewire + Blade

Laravel Livewire é uma biblioteca que simplifica a construção de interfaces modernas, reativas e dinâmicas usando o Laravel Blade como sua linguagem de templates. É um ótimo stack para escolher se você deseja construir um aplicativo que seja dinâmico e reativo, mas não se sente confortável pulando para uma estrutura JavaScript completa como Vue.js.

Ao usar o Livewire, você pode escolher quais partes do seu aplicativo serão um componente do Livewire, enquanto o restante do seu aplicativo pode ser renderizado como os modelos Blade tradicionais com os quais você está acostumado.

### Criando uma aplicação com Jetstream

```
laravel new --help
```

```
C:\xampp\htdocs\laravel8_novidades>laravel new --help
Description:
  Create a new Laravel application

Usage:
  new [options] [--] <name>

Arguments:
  name

Options:
  --dev                Installs the latest "development" release
  --git                Initialize a Git repository
  --branch=BRANCH      The branch that should be created for a new repository [default: "main"]
  --github[=GITHUB]   Create a new repository on GitHub [default: false]
  --organization=ORGANIZATION The GitHub organization to create the new repository for
  --jet                Installs the Laravel Jetstream scaffolding
  --stack[=STACK]      The Jetstream stack that should be installed
  --teams              Indicates whether Jetstream should be scaffolded with team support
  --prompt-jetstream   Issues a prompt to determine if Jetstream should be installed
  -f, --force          Forces install even if the directory already exists
  -h, --help           Display help for the given command. When no command is given display help for the list command
  -q, --quiet          Do not output any message
  -V, --version         Display this application version
  --ansi|--no-ansi     Force (or disable --no-ansi) ANSI output
  -n, --no-interaction Do not ask any interactive question
  -v|vv|vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug
```

```
laravel new app --jet --teams
```

```
C:\xampp\htdocs>laravel new app --jet --teams

  laravel new app --jet --teams

Which Jetstream stack do you prefer?
  [0] livewire
  [1] inertia
> 0
```

- Selecione a opção 0 (livewire) e aguarde a instalação.

```
cd app
```

```
npm install
```

```
C:\xampp\htdocs\app>npm install
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

audited 813 packages in 22.167s
83 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
```

```
npm run dev
```

```
Laravel Mix v6.0.39
B Compiled Successfully in 7185ms
```

File	Size
/js/app.js	710 KiB
css/app.css	42.9 KiB

```
• Mix ██████████ done (99%)
  plugins
webpack compiled successfully
```

## **.env**

```
APP_NAME=Laravel
APP_ENV=local
APP_KEY=base64:vri+LqkF5t6GVS0Ip3Qg1aggDodgd3PhfiCBsSHRlvI=
APP_DEBUG=true
APP_URL=http://127.0.0.1:8000

LOG_CHANNEL=stack
LOG_DEPRECATIONS_CHANNEL=null
LOG_LEVEL=debug

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=app
DB_USERNAME=root
DB_PASSWORD=

BROADCAST_DRIVER=log
CACHE_DRIVER=file
FILESYSTEM_DRIVER=local
QUEUE_CONNECTION=sync
SESSION_DRIVER=database
SESSION_LIFETIME=120

MEMCACHED_HOST=127.0.0.1

REDIS_HOST=127.0.0.1
REDIS_PASSWORD=null
REDIS_PORT=6379

MAIL_MAILER=smtp
MAIL_HOST=mailhog
MAIL_PORT=1025
MAIL_USERNAME=null
MAIL_PASSWORD=null
MAIL_ENCRYPTION=null
MAIL_FROM_ADDRESS=null
MAIL_FROM_NAME="${APP_NAME}"

AWS_ACCESS_KEY_ID=
AWS_SECRET_ACCESS_KEY=
AWS_DEFAULT_REGION=us-east-1
AWS_BUCKET=
AWS_USE_PATH_STYLE_ENDPOINT=false

PUSHER_APP_ID=
PUSHER_APP_KEY=
PUSHER_APP_SECRET=
PUSHER_APP_CLUSTER=mt1

MIX_PUSHER_APP_KEY="${PUSHER_APP_KEY}"
MIX_PUSHER_APP_CLUSTER="${PUSHER_APP_CLUSTER}"
```

- Execute o Xampp (Apache e MySQL)
- Abra o PHPMyAdmin e crie a base de dados chamada **app**.
- Crie as tabelas da BD:

`php artisan migrate`

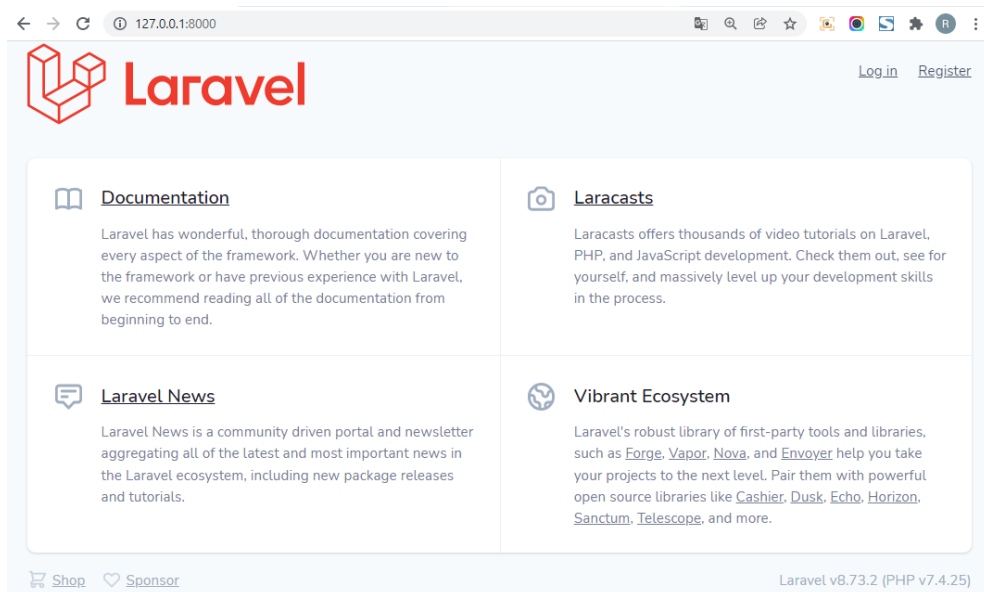
```
C:\xampp\htdocs\app>php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (1,038.80ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (567.68ms)
Migrating: 2014_10_12_200000_add_two_factor_columns_to_users_table
Migrated: 2014_10_12_200000_add_two_factor_columns_to_users_table (257.94ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (427.25ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (797.26ms)
Migrating: 2020_05_21_100000_create_teams_table
Migrated: 2020_05_21_100000_create_teams_table (532.62ms)
Migrating: 2020_05_21_200000_create_team_user_table
Migrated: 2020_05_21_200000_create_team_user_table (469.37ms)
Migrating: 2020_05_21_300000_create_team_invitations_table
Migrated: 2020_05_21_300000_create_team_invitations_table (2,279.33ms)
Migrating: 2021_11_28_183322_create_sessions_table
Migrated: 2021_11_28_183322_create_sessions_table (2,116.46ms)
```

`php artisan serve`

```
C:\xampp\htdocs\app>php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Sun Nov 28 15:53:26 2021] PHP 7.4.25 Development Server (http://127.0.0.1:8000) started
```

- No browser entre com:

**http://127.0.0.1:8000/**

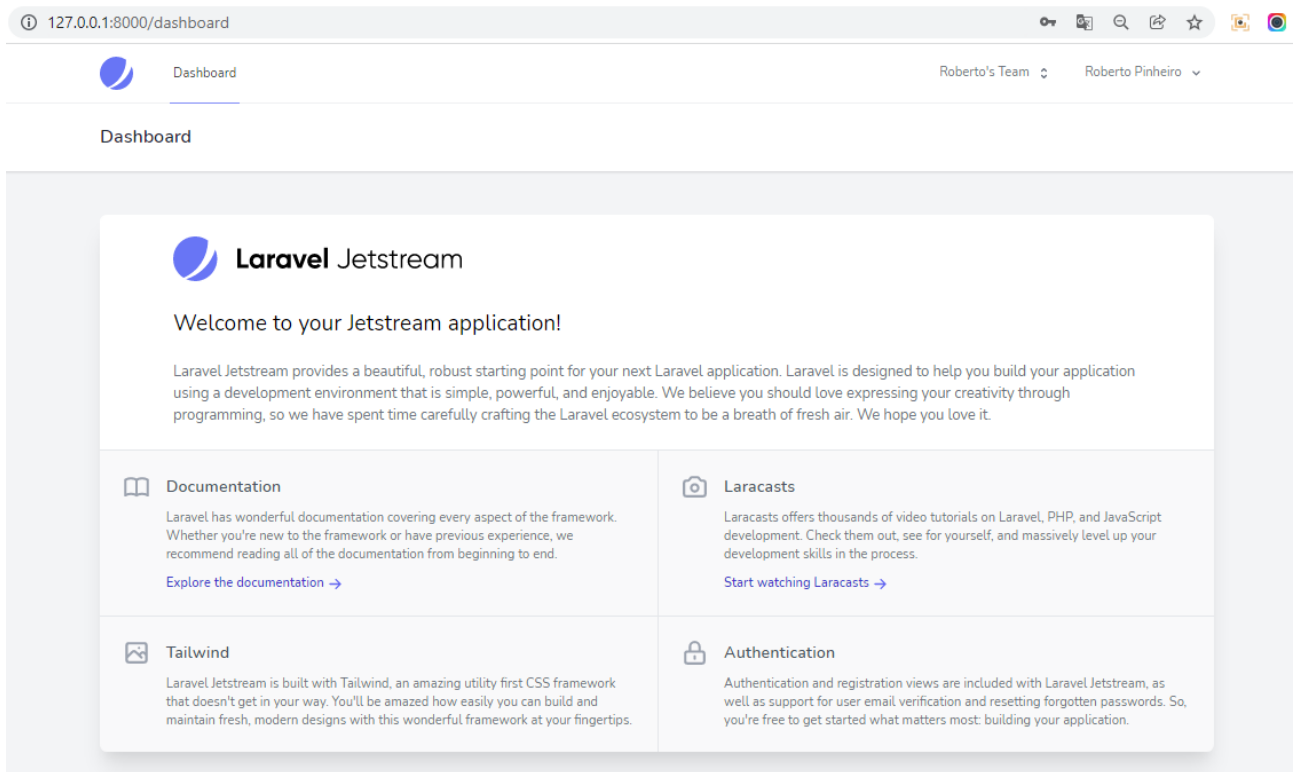


- Registre um usuário:

**http://127.0.0.1:8000/register**

Password: 12345678

A screenshot of the Laravel registration form. At the top is the Laravel logo. The form is a white box with rounded corners containing four input fields: 'Name' (filled with 'Roberto Pinheiro'), 'Email' (filled with 'betopinheiro1005@yahoo.com.br'), 'Password' (filled with dots), and 'Confirm Password' (filled with dots). Below the fields are a link for 'Already registered?' and a dark blue 'REGISTER' button.



## config\fortify.php

```
<?php
```

```
use App\Providers\RouteServiceProvider;
use Laravel\Fortify\Features;
```

```
return [
```

```
    /*
    |-----
    | Fortify Guard
    |-----
    |
    | Here you may specify which authentication guard Fortify will use while
    | authenticating users. This value should correspond with one of your
    | guards that is already present in your "auth" configuration file.
    |
    */
```

```
    'guard' => 'web',
```

```
    /*
    |-----
    | Fortify Password Broker
    |-----
    |
    | Here you may specify which password broker Fortify can use when a user
    | is resetting their password. This configured value should match one
    | of your password brokers setup in your "auth" configuration file.
    |
    */
```

```
    'passwords' => 'users',
```



```

/*
|-----|
| Username / Email
|-----|
|
| This value defines which model attribute should be considered as your
| application's "username" field. Typically, this might be the email
| address of the users but you are free to change this value here.
|
| Out of the box, Fortify expects forgot password and reset password
| requests to have a field named 'email'. If the application uses
| another name for the field you may define it below as needed.
|
*/

'username' => 'email',

'email' => 'email',

/*
|-----|
| Home Path
|-----|
|
| Here you may configure the path where users will get redirected during
| authentication or password reset when the operations are successful
| and the user is authenticated. You are free to change this value.
|
*/

'home' => RouteServiceProvider::HOME,

/*
|-----|
| Fortify Routes Prefix / Subdomain
|-----|
|
| Here you may specify which prefix Fortify will assign to all the routes
| that it registers with the application. If necessary, you may change
| subdomain under which all of the Fortify routes will be available.
|
*/

'prefix' => '',

'domain' => null,

/*
|-----|
| Fortify Routes Middleware
|-----|
|
| Here you may specify which middleware Fortify will assign to the routes
| that it registers with the application. If necessary, you may change
| these middleware but typically this provided default is preferred.
|
*/

'middleware' => ['web'],

/*
|-----|
| Rate Limiting
|-----|
|
| By default, Fortify will throttle logins to five requests per minute for
| every email and IP address combination. However, if you would like to
| specify a custom rate limiter to call then you may specify it here.
|
*/

```

```

'limiters' => [
    'login' => 'login',
    'two-factor' => 'two-factor',
],

/*
|-----|
| Register View Routes
|-----|
|
| Here you may specify if the routes returning views should be disabled as
| you may not need them when building your own application. This may be
| especially true if you're writing a custom single-page application.
|
*/

'views' => true,

/*
|-----|
| Features
|-----|
|
| Some of the Fortify features are optional. You may disable the features
| by removing them from this array. You're free to only remove some of
| these features or you can even remove all of these if you need to.
|
*/

'features' => [
    Features::registration(),
    Features::resetPasswords(),
    // Features::emailVerification(),
    Features::updateProfileInformation(),
    Features::updatePasswords(),
    Features::twoFactorAuthentication([
        'confirmPassword' => true,
    ]),
],

];

```

## config\jetstream.php

```

<?php

use Laravel\Jetstream\Features;

return [

    /*
    |-----|
    | Jetstream Stack
    |-----|
    |
    | This configuration value informs Jetstream which "stack" you will be
    | using for your application. In general, this value is set for you
    | during installation and will not need to be changed after that.
    |
    */

    'stack' => 'livewire',

    /*
    |-----|
    | Jetstream Route Middleware
    |-----|
    |
    */

```

```

| Here you may specify which middleware Jetstream will assign to the routes
| that it registers with the application. When necessary, you may modify
| these middleware; however, this default value is usually sufficient.
|
*/

'middleware' => ['web'],

/*
|-----
| Features
|-----
|
| Some of Jetstream's features are optional. You may disable the features
| by removing them from this array. You're free to only remove some of
| these features or you can even remove all of these if you need to.
|
*/

'features' => [
    // Features::termsAndPrivacyPolicy(),
    Features::profilePhotos(),
    // Features::api(),
    Features::teams(['invitations' => true]),
    Features::accountDeletion(),
],

/*
|-----
| Profile Photo Disk
|-----
|
| This configuration value determines the default disk that will be used
| when storing profile photos for your application's users. Typically
| this will be the "public" disk but you may adjust this if needed.
|
*/


'profile_photo_disk' => 'public',


];

```

- Habilite a feature `Features::profilePhotos()`, desmarcando o comentário.

- No menu, selecione a opção "Profile":

 Dashboard


Roberto's Team 

### Profile

#### Profile Information

Update your account's profile information and email address.

Photo



[SELECT A NEW PHOTO](#)

Name

Email

[SAVE](#)

#### Update Password

Ensure your account is using a long, random password to stay secure.

Current Password

New Password

Confirm Password

[SAVE](#)

#### Two Factor Authentication

Add additional security to your account using two factor authentication.

You have not enabled two factor authentication.


When two factor authentication is enabled, you will be prompted for a secure, random token during authentication. You may retrieve this token from your phone's Google Authenticator application.

[ENABLE](#)

#### Browser Sessions

Manage and log out your active sessions on other browsers and devices.

If necessary, you may log out of all of your other browser sessions across all of your devices. Some of your recent sessions are listed below; however, this list may not be exhaustive. If you feel your account has been compromised, you should also update your password.

 Windows - Chrome  
127.0.0.1, This device

[LOG OUT OTHER BROWSER SESSIONS](#)

#### Delete Account

Permanently delete your account.

Once your account is deleted, all of its resources and data will be permanently deleted. Before deleting your account, please download any data or information that you wish to retain.

[DELETE ACCOUNT](#)

- Selecione uma foto sua, e clique no botão "Save":

## Dashboard



## Laravel Jetstream

Welcome to your Jetstream application!

Laravel Jetstream provides a beautiful, robust starting point for your next Laravel application. Laravel is designed to help you build your application using a development environment that is simple, powerful, and enjoyable. We believe you should love expressing your creativity through programming, so we have spent time carefully crafting the Laravel ecosystem to be a breath of fresh air. We hope you love it.



## Documentation

Laravel has wonderful documentation covering every aspect of the framework. Whether you're new to the framework or have previous experience, we recommend reading all of the documentation from beginning to end.

[Explore the documentation →](#)



## Laracasts

Laracasts offers thousands of video tutorials on Laravel, PHP, and JavaScript development. Check them out, see for yourself, and massively level up your development skills in the process.

[Start watching Laracasts →](#)



Tailwind

Laravel Jetstream is built with Tailwind, an amazing utility first CSS framework that doesn't get in your way. You'll be amazed how easily you can build and maintain fresh, modern designs with this wonderful framework at your fingertips.



## Authentication

Authentication and registration views are included with Laravel Jetstream, as well as support for user email verification and resetting forgotten passwords. So, you're free to get started what matters most: building your application.

## Aula 07 - Laravel Jetstream em um Projeto já Existente

### Instalando o Laravel Jetstream

```
composer require laravel/jetstream
```

```
C:\xampp\htdocs\laravel8_novidades>composer require laravel/jetstream
Using version ^2.4 for laravel/jetstream
./composer.json has been updated
Running composer update laravel/jetstream
Loading composer repositories with package information
Updating dependencies
Lock file operations: 9 installs, 0 updates, 0 removals
  - Locking bacon/bacon-qr-code (2.0.4)
  - Locking dasprid/enum (1.0.3)
  - Locking jaybizzle/crawler-detect (v1.2.109)
  - Locking jenssegers/agent (v2.6.4)
  - Locking laravel/fortify (v1.8.4)
  - Locking laravel/jetstream (v2.4.4)
  - Locking mobiledetect/mobiledetectlib (2.8.37)
  - Locking paragonie/constant_time_encoding (v2.4.0)
  - Locking pragmarx/google2fa (8.0.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 9 installs, 0 updates, 0 removals
  - Installing dasprid/enum (1.0.3): Extracting archive
  - Installing bacon/bacon-qr-code (2.0.4): Extracting archive
  - Installing jaybizzle/crawler-detect (v1.2.109): Extracting archive
  - Installing paragonie/constant_time_encoding (v2.4.0): Extracting archive
  - Installing pragmarx/google2fa (8.0.0): Extracting archive
  - Installing laravel/fortify (v1.8.4): Extracting archive
  - Installing mobiledetect/mobiledetectlib (2.8.37): Extracting archive
  - Installing jenssegers/agent (v2.6.4): Extracting archive
  - Installing laravel/jetstream (v2.4.4): Extracting archive
1 package suggestions were added by new dependencies, use `composer suggest` to see details.
Package swiftmailer/swiftmailer is abandoned, you should avoid using it. Use symfony/mailer instead.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fruitcake/laravel-cors
Discovered Package: jenssegers/agent
Discovered Package: laravel/fortify
Discovered Package: laravel/jetstream
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
0 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi
No publishable resources for tag [laravel-assets].
Publishing complete.
```

```
php artisan jetstream:install --help
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan jetstream:install --help
Description:
  Install the Jetstream components and resources

Usage:
  jetstream:install [options] [--] <stack>

Arguments:
  stack                The development stack that should be installed

Options:
  --teams              Indicates if team support should be installed
  --pest               Indicates if Pest should be installed
  --composer[=COMPOSER] Absolute path to the Composer binary which should be used to install packages [default: "global"]
  -h, --help           Display help for the given command. When no command is given display help for the list command
  -q, --quiet          Do not output any message
  -V, --version        Display this application version
  --ansi|--no-ansi     Force (or disable --no-ansi) ANSI output
  -n, --no-interaction Do not ask any interactive question
  --env[=ENV]          The environment the command should run under
  -v|vv|vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

C:\xampp\htdocs\laravel8_novidades>
```

```
php artisan jetstream:install livewire --teams
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan jetstream:install livewire --teams
Migration created successfully!
./composer.json has been updated
Running composer update livewire/livewire
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
  - Locking livewire/livewire (v2.8.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Installing livewire/livewire (v2.8.0): Extracting archive
Package swiftmailer/swiftmailer is abandoned, you should avoid using it. Use symfony/mailer instead.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fruitcake/laravel-cors
Discovered Package: jenssegers/agent
Discovered Package: laravel/fortify
Discovered Package: laravel/jetstream
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
No publishable resources for tag [laravel-assets].
Publishing complete.
Copied Directory [\vendor\laravel\sanctum\database\Migrations] To [\database\Migrations]
Copied File [\vendor\laravel\sanctum\config\sanctum.php] To [\config\sanctum.php]
Publishing complete.

Livewire scaffolding installed successfully.
Please execute "npm install && npm run dev" to build your assets.
```

```
npm install && npm run dev
```

```
C:\xampp\htdocs\laravel8_novidades>npm install && npm run dev
npm WARN deprecated querystring@0.2.0: The querystring API is considered Legacy. new code should use the URLSearchParams API instead.
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@~2.3.2 (node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

added 810 packages from 460 contributors in 367.351s

83 packages are looking for funding
  run `npm fund` for details

83 packages are looking for funding
  run `npm fund` for details

> @ dev C:\xampp\htdocs\laravel8_novidades
> npm run development

> @ development C:\xampp\htdocs\laravel8_novidades
> mix

● Mix ██████████ emitting (98%)
  after emit

warn - You have enabled the JIT engine which is currently in preview.
warn - Preview features are not covered by semver, may introduce breaking changes, and can change at any time.

● Mix ██████████ done (99%) plugins
  WebpackBar:done

warn - You have enabled the JIT engine which is currently in preview.
warn - Preview features are not covered by semver, may introduce breaking changes, and can change at any time.

✓ Mix
  Compiled successfully in 9.67s

warn - You have enabled the JIT engine which is currently in preview.
warn - Preview features are not covered by semver, may introduce breaking changes, and can change at any time.
```



Laravel Mix v6.0.39

✓ Compiled Successfully in 9443ms

File	Size
/js/app.js	710 KiB
css/app.css	43.1 KiB

● Mix  done (99%)  
plugins

webpack compiled **successfully**

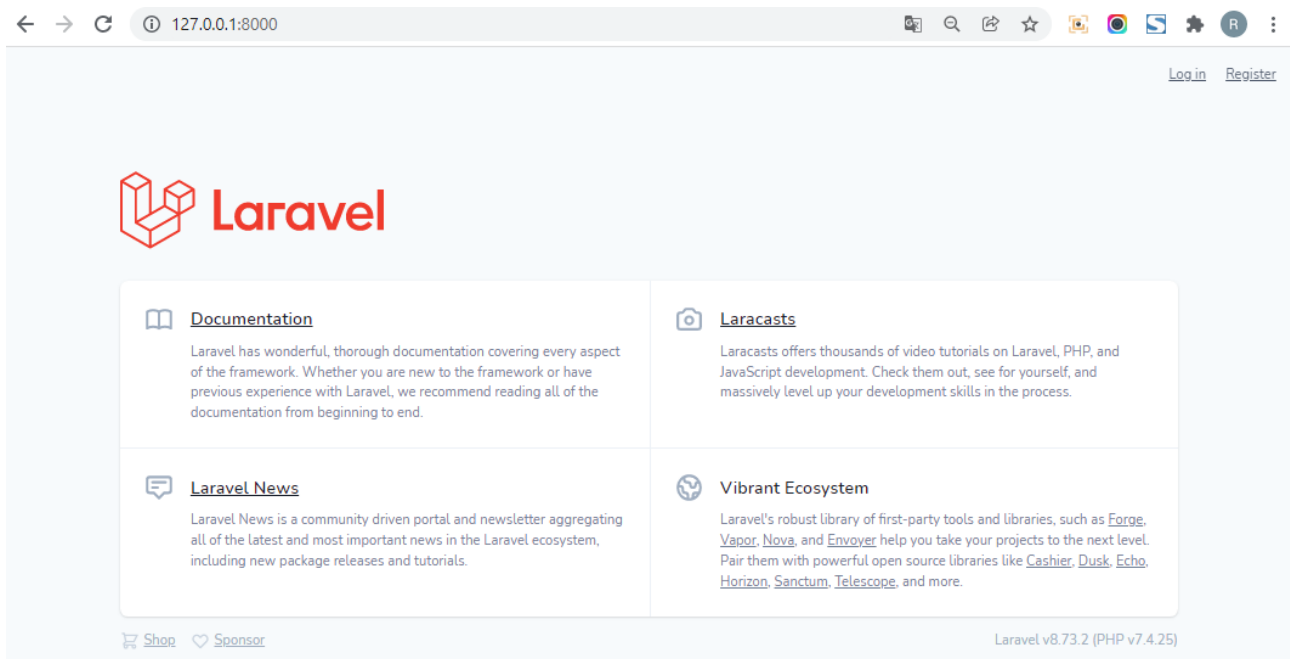
```
php artisan migrate:fresh
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan migrate:fresh
Dropped all tables successfully.
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (1,116.67ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (466.82ms)
Migrating: 2014_10_12_200000_add_two_factor_columns_to_users_table
Migrated: 2014_10_12_200000_add_two_factor_columns_to_users_table (114.31ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (1,274.16ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (701.75ms)
Migrating: 2020_05_21_100000_create_teams_table
Migrated: 2020_05_21_100000_create_teams_table (393.68ms)
Migrating: 2020_05_21_200000_create_team_user_table
Migrated: 2020_05_21_200000_create_team_user_table (557.57ms)
Migrating: 2020_05_21_300000_create_team_invitations_table
Migrated: 2020_05_21_300000_create_team_invitations_table (1,480.45ms)
Migrating: 2021_11_28_095107_create_orders_table
Migrated: 2021_11_28_095107_create_orders_table (2,419.93ms)
Migrating: 2021_11_28_201938_create_sessions_table
Migrated: 2021_11_28_201938_create_sessions_table (1,401.31ms)
```

```
php artisan serve
```

```
C:\xampp\htdocs\laravel8_novidades>php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Sun Nov 28 17:43:22 2021] PHP 7.4.25 Development Server (http://127.0.0.1:8000) started
```

**http://127.0.0.1:8000/**



- Registre um usuário:

**http://127.0.0.1:8000/register**

A screenshot of the Laravel registration form. At the top, there is a blue circular logo. The form is a white box with rounded corners. It contains four input fields: 'Name' (with the text 'Roberto Pinheiro'), 'Email' (with the text 'betopinheiro1005@yahoo.com.br'), 'Password' (with masked characters '.....'), and 'Confirm Password' (with masked characters '.....'). At the bottom left of the form, there is a link that says 'Already registered?'. At the bottom right, there is a dark blue button with the text 'REGISTER' in white capital letters.



## Dashboard



## Laravel Jetstream

## Welcome to your Jetstream application!

Laravel Jetstream provides a beautiful, robust starting point for your next Laravel application. Laravel is designed to help you build your application using a development environment that is simple, powerful, and enjoyable. We believe you should love expressing your creativity through programming, so we have spent time carefully crafting the Laravel ecosystem to be a breath of fresh air. We hope you love it.



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