

# Curso Laravel - Roles y Permisos

## Italo Morales (Rimorsoft)

<https://www.youtube.com/watch?v=EwqZgyipKYk&list=PLhCiuvlix-rSgQNLII7Qg2KbQni3fz-ea>

Resumo do curso feito por Roberto Pinheiro

## Aula 2 - Instalação de pacotes

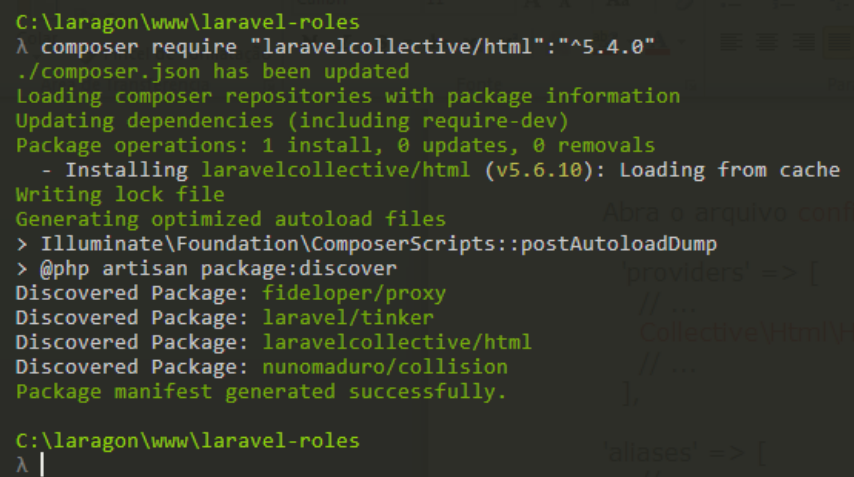
### Instalando o Laravel Collective

Acesse a URL:

<https://github.com/LaravelCollective/docs/blob/5.6/html.md>

No terminal, na pasta do projeto, entre com o seguinte comando:

**composer require "laravelcollective/html": "^5.4.0"**



```
C:\laragon\www\laravel-roles
λ composer require "laravelcollective/html": "^5.4.0"
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Installing laravelcollective/html (v5.6.10): Loading from cache
Writing lock file
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover
Discovered Package: fideloper/proxy
Discovered Package: laravel/tinker
Discovered Package: laravelcollective/html
Discovered Package: nunomaduro/collision
Package manifest generated successfully.

C:\laragon\www\laravel-roles
λ |
```

Abra o arquivo **config/app.php** e insira as seguintes linhas:

```
'providers' => [
    // ...
    Collective\Html\HtmlServiceProvider::class,
    // ...
],

'aliases' => [
    // ...
    'Form' => Collective\Html\FormFacade::class,
    'Html' => Collective\Html\HtmlFacade::class,
    // ...
],
```

## Instalando shinobi

Trata-se de um pacote para administrar as permissões.

Acesse a URL:

<https://github.com/cafeinated/shinobi>

No terminal, na pasta do projeto, entre com o seguinte comando:

**composer require caffeinated/shinobi**

```
C:\laragon\www\laravel-roles
λ composer require caffeinated/shinobi
Using version ^3.3 for caffeinated/shinobi
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Installing caffeinated/shinobi (v3.3): Loading from cache
Writing lock file
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover
Discovered Package: caffeinated/shinobi
Discovered Package: fideloper/proxy
Discovered Package: laravel/tinker
Discovered Package: laravelcollective/html
Discovered Package: nunomaduro/collision
Package manifest generated successfully.

C:\laragon\www\laravel-roles
λ |
```

Abra o arquivo **config/app.php** e, em **providers**, insira a seguinte linha:

**Caffeinated\Shinobi\ShinobiServiceProvider::class,**

## Aula 3 - Estrutura base de um sistema com regras e permissões

### Alterando tamanho padrão de campo string

#### app/Providers/AppServiceProvider.php

```
<?php

namespace App\Providers;

use Illuminate\Support\ServiceProvider;
use Illuminate\Support\Facades\Schema;

class AppServiceProvider extends ServiceProvider
{
    public function boot()
    {
        Schema::defaultStringLength(120);
    }
    public function register()
    {
        //
    }
}
```

### Criando as tabelas

php artisan migrate

```
C:\laragon\www\laravel-roles
λ php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table
Migrating: 2015_01_20_084450_create_roles_table
Migrated: 2015_01_20_084450_create_roles_table
Migrating: 2015_01_20_084525_create_role_user_table
Migrated: 2015_01_20_084525_create_role_user_table
Migrating: 2015_01_24_080208_create_permissions_table
Migrated: 2015_01_24_080208_create_permissions_table
Migrating: 2015_01_24_080433_create_permission_role_table
Migrated: 2015_01_24_080433_create_permission_role_table
Migrating: 2015_12_04_003040_add_special_role_column
Migrated: 2015_12_04_003040_add_special_role_column
Migrating: 2017_10_17_170735_create_permission_user_table
Migrated: 2017_10_17_170735_create_permission_user_table

C:\laragon\www\laravel-roles
λ |
```

Server: localhost:3306 » Database: laravel-roles

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Filters

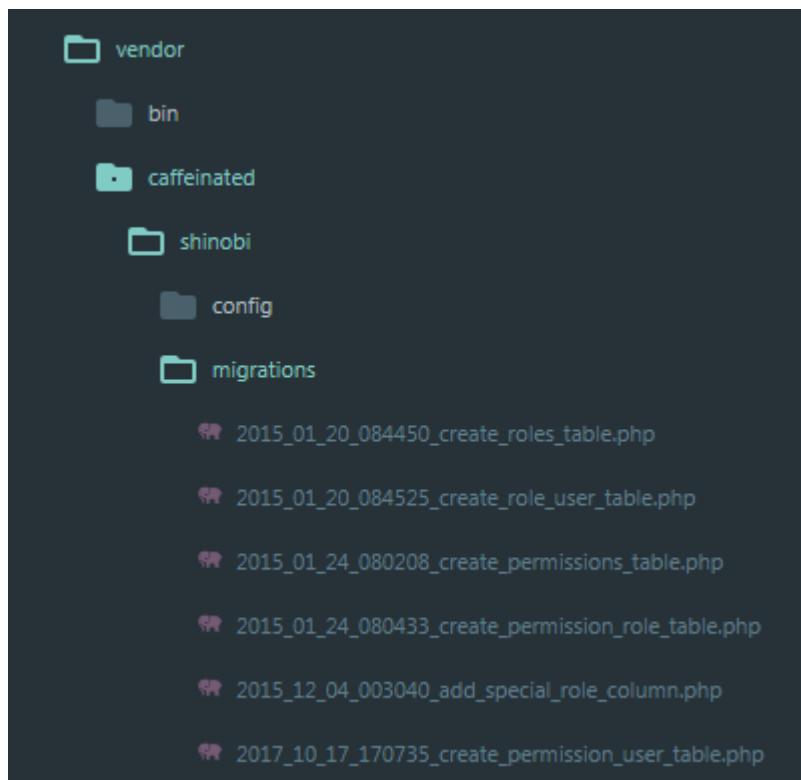
Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
migrations		8	InnoDB	utf8mb4_unicode_ci	16 KiB	-
password_resets		0	InnoDB	utf8mb4_unicode_ci	16 KiB	-
permissions		0	InnoDB	utf8mb4_unicode_ci	16 KiB	-
permission_role		0	InnoDB	utf8mb4_unicode_ci	48 KiB	-
permission_user		0	InnoDB	utf8mb4_unicode_ci	48 KiB	-
roles		0	InnoDB	utf8mb4_unicode_ci	48 KiB	-
role_user		0	InnoDB	utf8mb4_unicode_ci	48 KiB	-
users		0	InnoDB	utf8mb4_unicode_ci	16 KiB	-
8 tables	Sum	8	InnoDB	latin1_swedish_ci	256 KiB	0 B

☐ Check all With selected:

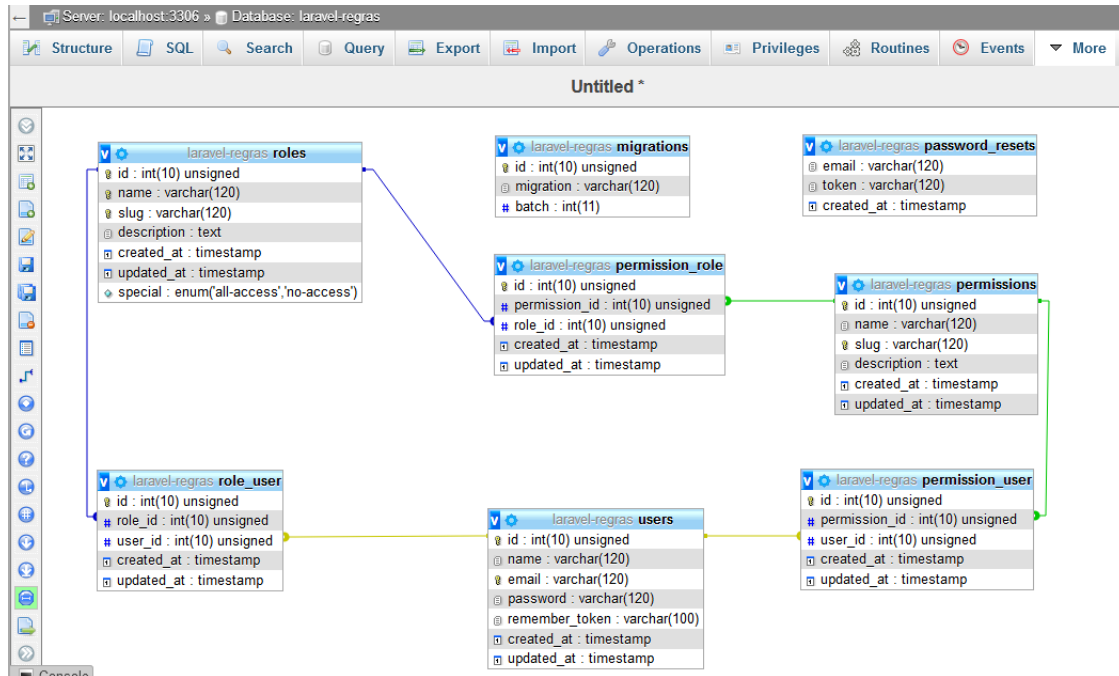
As migrações de Shinobi localizam-se na pasta:

**vendor/cafeinate/shinobi/migrations**



## Relações entre as tabelas

Acesse o phpmyadmin e clique na aba **More**→**Design**



## Criando um seed de Permissões

php artisan make:seeder PermissionsTableSeeder

```
C:\laragon\www\laravel-roles
λ php artisan make:seeder PermissionsTableSeeder
Seeder created successfully.

C:\laragon\www\laravel-roles
λ |
```

**database/seeds/PermissionsTableSeeder**

```
<?php
```

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

```
class PermissionsTableSeeder extends Seeder
```

```
{
    public function run()
    {
        //
    }
}
```

## Aula 4 - Definição de permissões do sistema

### database/seeds/PermissionsTableSeeder

```
<?php
```

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

```
use Caffeinated\Shinobi\Models\Permission;
```

```
class PermissionsTableSeeder extends Seeder
```

```
{
```

```
    public function run()
```

```
    {
```

```
        // users
```

```
        Permission::create([
```

```
            'name' => 'Exibir usuários',
```

```
            'slug' => 'users.index',
```

```
            'description' => 'Lista e exibe todos os usuários do sistema',
```

```
        ]);
```

```
        Permission::create([
```

```
            'name' => 'Ver detalhes de usuário',
```

```
            'slug' => 'users.show',
```

```
            'description' => 'Ver em detalhes cada usuário do sistema',
```

```
        ]);
```

```
        Permission::create([
```

```
            'name' => 'Edição de usuários',
```

```
            'slug' => 'users.edit',
```

```
            'description' => 'Editar qualquer dado de um usuário do sistema',
```

```
        ]);
```

```
        Permission::create([
```

```
            'name' => 'Eliminar usuário',
```

```
            'slug' => 'users.destroy',
```

```
            'description' => 'Eliminar qualquer usuário do sistema',
```

```
        ]);
```

```
        // Roles
```

```
        Permission::create([
```

```
            'name' => 'Exibir roles',
```

```
            'slug' => 'roles.index',
```

```
            'description' => 'Lista e exibe todos os roles do sistema',
```

```
        ]);
```

```
        Permission::create([
```

```
            'name' => 'Ver detalhes de rol',
```

```
            'slug' => 'roles.show',
```

```
            'description' => 'Ver em detalhes cada role do sistema',
```

```
        ]);
```

```

Permission::create([
  'name' => 'Criação de rol',
  'slug' => 'roles.create',
  'description' => 'Criar role do sistema',
]);
Permission::create([
  'name' => 'Edição de rol',
  'slug' => 'roles.edit',
  'description' => 'Editar qualquer dado de um role do sistema',
]);
Permission::create([
  'name' => 'Eliminar rol',
  'slug' => 'roles.destroy',
  'description' => 'Eliminar qualquer role do sistema',
]);

// Products

Permission::create([
  'name' => 'Exibir produtos',
  'slug' => 'products.index',
  'description' => 'Lista e exibe todos os produtos do sistema',
]);
Permission::create([
  'name' => 'Ver detalhes de produto',
  'slug' => 'products.show',
  'description' => 'Ver em detalhes cada produto do sistema',
]);
Permission::create([
  'name' => 'Criação de produto',
  'slug' => 'products.create',
  'description' => 'Criar produto do sistema',
]);
Permission::create([
  'name' => 'Edição de produto',
  'slug' => 'products.edit',
  'description' => 'Editar qualquer dado de um produto do sistema',
]);
Permission::create([
  'name' => 'Eliminar produto',
  'slug' => 'products.destroy',
  'description' => 'Eliminar qualquer produto do sistema',
]);
}
}

```

## database/seeds/DatabaseTableSeeder

```
<?php
```

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

```
class DatabaseSeeder extends Seeder
{
    public function run()
    {
        $this->call(PermissionsTableSeeder::class);
    }
}
```

## Criando os registros de permissões

```
php artisan migrate:refresh --seed
```

```
C:\laragon\www\laravel-roles
λ php artisan migrate:refresh --seed
Rolling back: 2017_10_17_170735_create_permission_user_table
Rolled back: 2017_10_17_170735_create_permission_user_table
Rolling back: 2015_12_04_003040_add_special_role_column
Rolled back: 2015_12_04_003040_add_special_role_column
Rolling back: 2015_01_24_080433_create_permission_role_table
Rolled back: 2015_01_24_080433_create_permission_role_table
Rolling back: 2015_01_24_080208_create_permissions_table
Rolled back: 2015_01_24_080208_create_permissions_table
Rolling back: 2015_01_20_084525_create_role_user_table
Rolled back: 2015_01_20_084525_create_role_user_table
Rolling back: 2015_01_20_084450_create_roles_table
Rolled back: 2015_01_20_084450_create_roles_table
Rolling back: 2014_10_12_100000_create_password_resets_table
Rolled back: 2014_10_12_100000_create_password_resets_table
Rolling back: 2014_10_12_000000_create_users_table
Rolled back: 2014_10_12_000000_create_users_table
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table
Migrating: 2015_01_20_084450_create_roles_table
Migrated: 2015_01_20_084450_create_roles_table
Migrating: 2015_01_20_084525_create_role_user_table
Migrated: 2015_01_20_084525_create_role_user_table
Migrating: 2015_01_24_080208_create_permissions_table
Migrated: 2015_01_24_080208_create_permissions_table
Migrating: 2015_01_24_080433_create_permission_role_table
Migrated: 2015_01_24_080433_create_permission_role_table
Migrating: 2015_12_04_003040_add_special_role_column
Migrated: 2015_12_04_003040_add_special_role_column
Migrating: 2017_10_17_170735_create_permission_user_table
Migrated: 2017_10_17_170735_create_permission_user_table
Seeding: PermissionsTableSeeder

C:\laragon\www\laravel-roles
λ |
```



Server: localhost:3306 » Database: laravel-roles » Table: permissions

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Triggers

Showing rows 0 - 13 (14 total, Query took 0.0100 seconds.)

SELECT \* FROM `permissions`

Profiling

[Edit inline]

[Edit]

[Explain SQL]

[Create PHP code]

[Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

				id	name	slug	description	created_at	updated_at
<input type="checkbox"/>				1	Exibir usuários	users.index	Lista e exibe todos os usuários do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				2	Ver detalhes de usuário	users.show	Ver em detalhes cada usuário do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				3	Edição de usuários	users.edit	Editar qualquer dado de um usuário do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				4	Eliminar usuário	users.destroy	Eliminar qualquer usuário do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				5	Exibir roles	roles.index	Lista e exibe todos os roles do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				6	Ver detalhes de rol	roles.show	Ver em detalhes cada role do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				7	Criação de rol	roles.create	Criar role do sistema	2019-04-17 20:56:40	2019-04-17 20:56:40
<input type="checkbox"/>				8	Edição de rol	roles.edit	Editar qualquer dado de um role do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41
<input type="checkbox"/>				9	Eliminar rol	roles.destroy	Eliminar qualquer role do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41
<input type="checkbox"/>				10	Exibir produtos	products.index	Lista e exibe todos os produtos do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41
<input type="checkbox"/>				11	Ver detalhes de produto	products.show	Ver em detalhes cada produto do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41
<input type="checkbox"/>				12	Criação de produto	products.create	Criar produto do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41
<input type="checkbox"/>				13	Edição de produto	products.edit	Editar qualquer dado de um produto do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41
<input type="checkbox"/>				14	Eliminar produto	products.destroy	Eliminar qualquer produto do sistema	2019-04-17 20:56:41	2019-04-17 20:56:41

## Aula 5 - Factory, migrations, models, controllers

### model, factory, migration e controller de Produtos

php artisan make:model Product -a

```
C:\laragon\www\laravel-roles
λ php artisan make:model Product -a
Model created successfully.
Factory created successfully.
Created Migration: 2019_04_17_210019_create_products_table
Controller created successfully.

C:\laragon\www\laravel-roles
λ |
```

### criando seeders para usuários e produtos

php artisan make:seeder ProductsTableSeeder

```
C:\laragon\www\laravel-roles
λ php artisan make:seeder ProductsTableSeeder
Seeder created successfully.

C:\laragon\www\laravel-roles
λ |
```

php artisan make:seeder UsersTableSeeder

```
C:\laragon\www\laravel-roles
λ php artisan make:seeder UsersTableSeeder
Seeder created successfully.

C:\laragon\www\laravel-roles
λ |
```

## Aula 6 - Seeders

**database/migrations/ 2019\_04\_17\_210019\_create\_products\_table.php**

```
<?php

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

class CreateProductsTable extends Migration
{
    public function up()
    {
        Schema::create('products', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name');
            $table->string('description');
            $table->timestamps();
        });
    }

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

**database/factories/ProductFactory.php**

```
<?php

use Faker\Generator as Faker;

$factory->define(App\Product::class, function (Faker $faker) {
    return [
        'name' => $faker -> sentence,
        'description' => $faker -> sentence
    ];
});
```

## database/factories/UserFactory.php

```
<?php

use Faker\Generator as Faker;

/*
|-----
| Model Factories
|-----
|
| This directory should contain each of the model factory definitions for
| your application. Factories provide a convenient way to generate new
| model instances for testing / seeding your application's database.
|
*/

$factory->define(App\User::class, function (Faker $faker) {
    return [
        'name' => $faker->name,
        'email' => $faker->unique()->safeEmail,
        'password' =>
'$2y$10$TKh8H1.PfQx37YgCzwiKb.KjNyWgaHb9cbcoQgdIVFiyg7B77UdFm', //
secret
        'remember_token' => str_random(10),
    ];
});
```

## database/seeds/UsersTableSeeder.php

```
<?php

use Illuminate\Database\Seeder;
use Caffeinated\Shinobi\Models\Role;

class UsersTableSeeder extends Seeder
{
    public function run()
    {
        factory(App\User::class, 20)->create();
        Role::create([
            'name' => 'Admin',
            'slug' => 'admin',
            'special' => 'all-access'
        ]);
    }
}
```

### **database/seeds/ProductsTableSeeder.php**

```
<?php

use Illuminate\Database\Seeder;

class ProductsTableSeeder extends Seeder
{
    public function run()
    {
        factory(App\Product::class, 80) -> create();
    }
}
```

### **database/seeds/DatabaseTableSeeder**

```
<?php

use Illuminate\Database\Seeder;

class DatabaseSeeder extends Seeder
{
    public function run()
    {
        $this->call(PermissionsTableSeeder::class);
        $this->call(ProductsTableSeeder::class);
        $this->call(UsersTableSeeder::class);
    }
}
```

## Populando as tabelas de produtos e usuários

php artisan migrate:refresh --seed

```
λ php artisan migrate:refresh --seed
Rolling back: 2019_04_17_210019_create_products_table
Rolled back: 2019_04_17_210019_create_products_table
Rolling back: 2017_10_17_170735_create_permission_user_table
Rolled back: 2017_10_17_170735_create_permission_user_table
Rolling back: 2015_12_04_003040_add_special_role_column
Rolled back: 2015_12_04_003040_add_special_role_column
Rolling back: 2015_01_24_080433_create_permission_role_table
Rolled back: 2015_01_24_080433_create_permission_role_table
Rolling back: 2015_01_24_080208_create_permissions_table
Rolled back: 2015_01_24_080208_create_permissions_table
Rolling back: 2015_01_20_084525_create_role_user_table
Rolled back: 2015_01_20_084525_create_role_user_table
Rolling back: 2015_01_20_084450_create_roles_table
Rolled back: 2015_01_20_084450_create_roles_table
Rolling back: 2014_10_12_100000_create_password_resets_table
Rolled back: 2014_10_12_100000_create_password_resets_table
Rolling back: 2014_10_12_000000_create_users_table
Rolled back: 2014_10_12_000000_create_users_table
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table
Migrating: 2015_01_20_084450_create_roles_table
Migrated: 2015_01_20_084450_create_roles_table
Migrating: 2015_01_20_084525_create_role_user_table
Migrated: 2015_01_20_084525_create_role_user_table
Migrating: 2015_01_24_080208_create_permissions_table
Migrated: 2015_01_24_080208_create_permissions_table
Migrating: 2015_01_24_080433_create_permission_role_table
Migrated: 2015_01_24_080433_create_permission_role_table
Migrating: 2015_12_04_003040_add_special_role_column
Migrated: 2015_12_04_003040_add_special_role_column
Migrating: 2017_10_17_170735_create_permission_user_table
Migrated: 2017_10_17_170735_create_permission_user_table
Migrating: 2019_04_17_210019_create_products_table
Migrated: 2019_04_17_210019_create_products_table
Seeding: PermissionsTableSeeder
Seeding: ProductsTableSeeder
Seeding: UsersTableSeeder
```

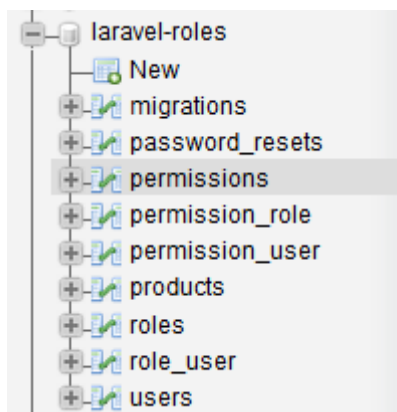


Tabela de Usuários

Showing rows 0 - 19 (20 total. Query took 0.0100 seconds.)

SELECT \* FROM `users`

Profiling [Edit inline][ Edit ][ Explain SQL ][ Create PHP code ][ Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

	id	name	email	password	remember_token	created_at	upd
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	1	Adolfo Dibbert	immanuel.greenfelder@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	kBg57Oo8RW	2019-04-17 21:27:01	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	2	Prof. Amelia Pagac Sr.	gherzog@example.net	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	yzlAGi4ISh	2019-04-17 21:27:01	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	3	Everett Schamberger	rollin77@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	zkfWU9HhAb	2019-04-17 21:27:01	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	4	Adrienne Homenick PhD	pratke@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	ZO8ULPq4pb	2019-04-17 21:27:01	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	5	Ona Rolfsen	kunze.darwin@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	cmVygxP91	2019-04-17 21:27:01	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	6	Preston Pourous	kroob@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	xmECi8EvhQ	2019-04-17 21:27:01	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	7	Olin Bahringer	steuber.rosemary@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	6pJNyynyduZ	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	8	Dr. Billie Kietm DDS	jones.lavon@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	Hsk4GsPTAI	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	9	Ms. Carmela Hauck	darron.denesik@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	Vj2RNzuQKh	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	10	Edmond D'Amore	durgan.cittalli@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	KY4Y4luzuW	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	11	Miss Rosemarie Daugherty III	yheaney@example.net	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	zvc08oX63Z	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	12	Miss Demetris Yost IV	godfrey04@example.net	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	e5ICBDXYLR	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	13	Mr. Chauncey Beatty DDS	mack.hilpert@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	enOF1mgLQ8	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	14	Harvey Schulist	bahringer.charley@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	rsnV78Xkp9	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	15	Stella Herman	simonis.claire@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	ODksTWWOrp	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	16	Nico Aufderhar	christine.mitchell@example.net	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	iq8OXot9KZ	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	17	Prof. Tremayne Bins	bradford52@example.net	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	E9eiCFDFmy	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	18	Carlee Hettinger PhD	klings.kayli@example.net	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	cnheMKY8xc	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	19	Clemens Rippin I	maryse.smith@example.com	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	laCj0eJvPg	2019-04-17 21:27:02	201
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	20	Novella Kuphal	rkohler@example.org	\$2y\$10\$TKh8H1.PfQx37YgCzwIKb.KjNyWgaHb9cbcoQgdIVFL...	8BWGiuf3i	2019-04-17 21:27:02	201

Check all

With selected:

Edit

Copy

Delete

Export

Tabela de produtos

Showing rows 0 - 79 (80 total. Query took 0.0100 seconds.)

SELECT \* FROM `products`

Profiling [Edit inline][ Edit ][ Explain SQL ][ Create PHP code ][ Refresh]

Show all

Number of rows: 100

Filter rows: Search this table

Sort by key: None

+ Options

	id	name	description	created_at	updated_at
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	1	Culpa non sed asperiores necessitatibus.	Volutpas non recusandae et neque sit nihil et sed.	2019-04-17 21:26:58	2019-04-17 21:26:58
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	2	Quam distinctio occaecati dolores a saepe fuga occ...	Explicabo quia placeat aut nostrum.	2019-04-17 21:26:58	2019-04-17 21:26:58
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	3	Autem qui tenetur rerum officia iure odio.	Quae ut molestias provident laudantium eligendi mo...	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	4	Quo eaque alias tempora voluptates et officia.	Sit dolores ut quia nihil sit in.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	5	Sunt nobis beatae preferendis et molestiae tempori...	Distinctio similique dolores omnis iure et.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	6	Quia recusandae perspiciatis facilis animi natus r...	Sunt expedita ad ut ipsum nobis inventore.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	7	Ipsa ut possimus nisi quasi quidem officiis et dol...	Possimus repellendus temporibus et blanditiis quo.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	8	Quia est odit mollitia vitae quaerat ullam et.	Magnam laudantium saepe voluptatum qui distinctio ...	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	9	Enim nobis in similique id.	Architecto cumque facilis natus animi.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	10	Vitae magnam aut dolore voluptatem enim.	Ducimus sed sequi beatae id et velit amet.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	11	Exercitationem sunt adipisci consequatur debitis.	Vel voluptatem quisquam natus similique.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	12	Eos dicta praesentium qui qui inventore.	Officia placeat non harum rerum.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	13	Repellendus at ab deserunt quo non.	Ex vel non hic dicta.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	14	Hic ut tenetur facilis.	Magni quos quisquam numquam qui.	2019-04-17 21:26:59	2019-04-17 21:26:59
<div><div></div><div>Edit</div><div></div><div>Copy</div><div>Delete</div></div>	15	Quidem distinctio rem voluptatem omnis quisquam pe...	Veritatis harum rerum inventore esse.	2019-04-17 21:26:59	2019-04-17 21:26:59

Tabela de roles:

Showing rows 0 - 0 (1 total, Query took 0.0200 seconds.)

```
SELECT * FROM `roles`
```

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	id	name	slug	description	created_at	updated_at	special
Edit            Copy            Delete	1	Admin	admin	NULL	2019-04-17 21:27:02	2019-04-17 21:27:02	all-access

Check all
 With selected:
 Edit
 Copy
 Delete
 Export



## Aula 7 - Middleware de Papéis e Permissões

### Autenticação

php artisan make:auth

```
C:\laragon\www\laravel-roles
λ php artisan make:auth
Authentication scaffolding generated successfully.

C:\laragon\www\laravel-roles
λ |
```

#### routes/web.php

<?php

```
/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/
```

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

Auth::routes();

Route::get('/home', 'HomeController@index')->name('home');

## Configurando Middleware

### app/Http/kernel.php

```
<?php

namespace App\Http;

use Illuminate\Foundation\Http\Kernel as HttpKernel;

class Kernel extends HttpKernel
{
    /**
     * The application's global HTTP middleware stack.
     *
     * These middleware are run during every request to your application.
     *
     * @var array
     */
    protected $middleware = [
        \Illuminate\Foundation\Http\Middleware\CheckForMaintenanceMode::class,
        \Illuminate\Foundation\Http\Middleware\ValidatePostSize::class,
        \App\Http\Middleware\TrimStrings::class,
        \Illuminate\Foundation\Http\Middleware\ConvertEmptyStringsToNull::class,
        \App\Http\Middleware\TrustProxies::class,
    ];

    /**
     * The application's route middleware groups.
     *
     * @var array
     */
    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:60,1',
            'bindings',
        ],
    ];
}
```

```

/**
 * The application's route middleware.
 *
 * These middleware may be assigned to groups or used individually.
 *
 * @var array
 */
protected $routeMiddleware = [
    'auth' => \Illuminate\Auth\Middleware\Authenticate::class,
    'auth.basic' =>
        \Illuminate\Auth\Middleware\AuthenticateWithBasicAuth::class,
    'bindings' => \Illuminate\Routing\Middleware\SubstituteBindings::class,
    'cache.headers' => \Illuminate\Http\Middleware\SetCacheHeaders::class,
    'can' => \Illuminate\Auth\Middleware\Authorize::class,
    'guest' => \App\Http\Middleware\RedirectIfAuthenticated::class,
    'signed' => \Illuminate\Routing\Middleware\ValidateSignature::class,
    'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class,

    'role' => \Caffeinated\Shinobi\Middleware\UserHasRole::class,
    'permission' => \Caffeinated\Shinobi\Middleware\UserHasPermission::class,
];
}

```

## Aula 8 - Rotas e atribuição de permissões

### routes/web.php

```
<?php
```

```
/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/
```

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

```
Auth::routes();
```

```
Route::get('/home', 'HomeController@index')->name('home');
```

```
Route::middleware(['auth'])->group(function(){
    // Roles
    Route::post('roles/store', 'RoleController@store')->name('roles.store')
    ->middleware('permission:roles.create');
    Route::get('roles', 'RoleController@index')->name('roles.index')
    ->middleware('permission:roles.index');
    Route::get('roles/create', 'RoleController@create')->name('roles.create')
    ->middleware('permission:roles.create');
    Route::put('roles/{role}', 'RoleController@update')->name('roles.update')
    ->middleware('permission:roles.edit');
    Route::get('roles/{role}', 'RoleController@show')->name('roles.show')
    ->middleware('permission:roles.show');
    Route::delete('roles/{role}', 'RoleController@destroy')->name('roles.destroy')
    ->middleware('permission:roles.destroy');
    Route::get('roles/{role}/edit', 'RoleController@edit')->name('roles.edit')
    ->middleware('permission:roles.edit');
```

```

// Products
Route::post('products/store', 'ProductController@store')-
>name('products.store')
->middleware('permission:products.create');
Route::get('products', 'ProductController@index')->name('products.index')
->middleware('permission:products.index');
Route::get('products/create', 'ProductController@create')-
>name('products.create')
->middleware('permission:products.create');
Route::put('products/{product}', 'ProductController@update')-
>name('products.update')
->middleware('permission:products.edit');
Route::get('products/{product}', 'ProductController@show')-
>name('products.show')
->middleware('permission:products.show');
Route::delete('products/{product}', 'ProductController@destroy')-
>name('products.destroy')
->middleware('permission:products.destroy');
Route::get('products/{product}/edit', 'ProductController@edit')-
>name('products.edit')
->middleware('permission:products.edit');

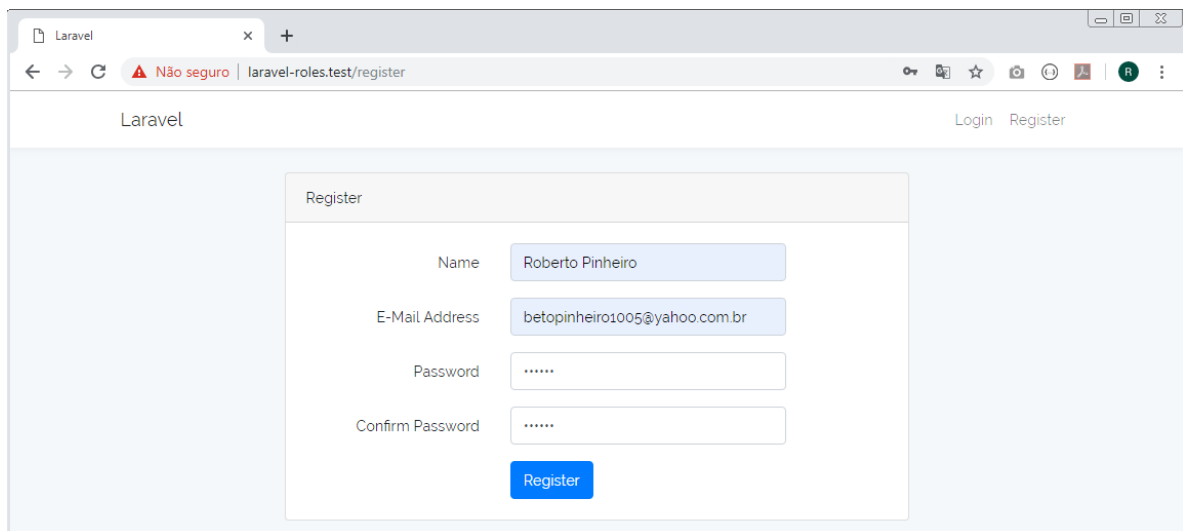
// Users
Route::get('users', 'UserController@index')->name('users.index')
->middleware('permission:users.index');
Route::put('users/{user}', 'UserController@update')->name('users.update')
->middleware('permission:users.edit');
Route::get('users/{user}', 'UserController@show')->name('users.show')
->middleware('permission:users.show');
Route::delete('users/{user}', 'UserController@destroy')-
>name('users.destroy')
->middleware('permission:users.destroy');
Route::get('users/{user}/edit', 'UserController@edit')->name('users.edit')
->middleware('permission:users.edit');
});

```

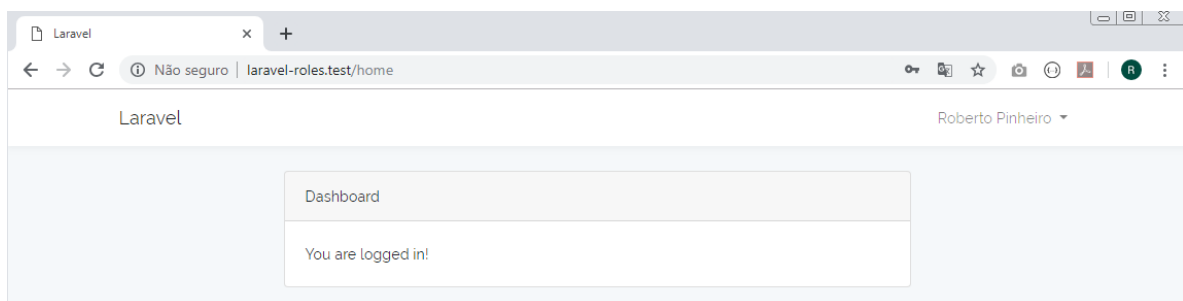
## Aula 9 - Ocultar botões se não há permissões

### Inserindo um usuário

Senha: 123456



A screenshot of a web browser showing the Laravel registration page. The browser's address bar displays 'laravel-roles.test/register' with a 'Não seguro' (Not secure) warning. The page header includes the 'Laravel' logo and links for 'Login' and 'Register'. The main content area features a 'Register' form with the following fields: 'Name' (filled with 'Roberto Pinheiro'), 'E-Mail Address' (filled with 'betopinheiro1005@yahoo.com.br'), 'Password' (masked with '\*\*\*\*\*'), and 'Confirm Password' (masked with '\*\*\*\*\*'). A blue 'Register' button is positioned at the bottom of the form.



A screenshot of the Laravel dashboard page after successful registration. The browser's address bar shows 'laravel-roles.test/home'. The page header displays the 'Laravel' logo and the user's name 'Roberto Pinheiro' with a dropdown arrow. The main content area contains a 'Dashboard' section header and a message box stating 'You are logged in!'.

## Criando controllers para usuários e funções

php artisan make:controller UserController --resource

```
C:\laragon\www\laravel-roles
λ php artisan make:controller UserController --resource
Controller created successfully.

C:\laragon\www\laravel-roles
λ |
```

php artisan make:controller RoleController --resource

```
C:\laragon\www\laravel-roles
λ php artisan make:controller RoleController --resource
Controller created successfully.

C:\laragon\www\laravel-roles
λ |
```

## resources/views/welcome.php

```
<!doctype html>
<html lang="{{ app()->getLocale() }}">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Roles e Permissions</title>

    <!-- Fonts -->
    <link href="https://fonts.googleapis.com/css?family=Raleway:100,600"
rel="stylesheet" type="text/css">

    <!-- Styles -->
    <style>
      html, body {
        background-color: #fff;
        color: #636b6f;
        font-family: 'Raleway', sans-serif;
        font-weight: 100;
        height: 100vh;
        margin: 0;
      }

      .full-height {
        height: 100vh;
      }

      .flex-center {
        align-items: center;
        display: flex;
        justify-content: center;
      }

      .position-ref {
        position: relative;
      }

      .top-right {
        position: absolute;
        right: 10px;
        top: 18px;
      }

      .content {
        text-align: center;
      }

      .title {
        font-size: 84px;
```





# Roles e Permissions

ORIONTECINFO

## resources/views/layouts/app.blade.php

```
<!DOCTYPE html>
<html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CSRF Token -->
    <meta name="csrf-token" content="{{ csrf_token() }}">

    <title>{{ config('app.name', 'Laravel') }}</title>

    <!-- Scripts -->
    <script src="{{ asset('js/app.js') }}" defer></script>

    <!-- Fonts -->
    <link rel="dns-prefetch" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css?family=Nunito" rel="stylesheet"
type="text/css">

    <!-- Styles -->
    <link href="{{ asset('css/app.css') }}" rel="stylesheet">
</head>
<body>
    <div id="app">
        <nav class="navbar navbar-expand-md navbar-light navbar-laravel">
            <div class="container">
                <a class="navbar-brand" href="{{ url('/') }}">
                    {{ config('app.name', 'Laravel') }}
                </a>
                <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="{{ __('Toggle navigation') }}">
                    <span class="navbar-toggler-icon"></span>
                </button>

                <div class="collapse navbar-collapse" id="navbarSupportedContent">
                    <!-- Left Side Of Navbar -->
                    <ul class="navbar-nav mr-auto">
                        @can('products.index')
                        <li class="nav-item">
                            <a class="nav-link" href="{{ route('products.index') }}
}}>Produtos</a>
                        </li>
                        @endcan
                        @can('users.index')
                        <li class="nav-item">
                            <a class="nav-link" href="{{ route('users.index') }}">Usuários</a>
                        </li>
                        @endcan
                        @can('roles.index')
                        <li class="nav-item">
                            <a class="nav-link" href="{{ route('roles.index') }}">Funções</a>
                        </li>
                        @endcan
                    </ul>
                </div>
            </div>
        </nav>
    </div>
</body>
</html>
```

```

    </ul>

    <!-- Right Side Of Navbar -->
    <ul class="navbar-nav ml-auto">
      <!-- Authentication Links -->
      @guest
        <li class="nav-item">
          <a class="nav-link" href="{{ route('login') }}">{{ __('Login')
        }}</a>

        </li>
        <li class="nav-item">
          <a class="nav-link" href="{{ route('register') }}">{{
        __('Register') }}</a>
        </li>
      @else
        <li class="nav-item dropdown">
          <a id="navbarDropdown" class="nav-link dropdown-toggle"
href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false" v-pre>
            {{ Auth::user()->name }} <span class="caret"></span>
          </a>

          <div class="dropdown-menu dropdown-menu-right" aria-
labelledby="navbarDropdown">
            <a class="dropdown-item" href="{{ route('logout') }}"
            onclick="event.preventDefault();
              document.getElementById('logout-
form').submit();">
              {{ __('Logout') }}
            </a>

            <form id="logout-form" action="{{ route('logout') }}"
method="POST" style="display: none;">
              @csrf
            </form>
          </div>
        </li>
      @endguest
    </ul>
  </div>
</div>
</nav>

<main class="py-4">
  @yield('content')
</main>
</div>
</body>
</html>

```

## Aula 10 - Aplicando roles e permissions

### app/User.php

```
<?php

namespace App;

use Caffeinated\Shinobi\Traits\ShinobiTrait;
use Illuminate\Notifications\Notifiable;
use Illuminate\Foundation\Auth\User as Authenticatable;

class User extends Authenticatable
{
    use Notifiable, ShinobiTrait;

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

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

### roles

+ Options

|                          | id | name  | slug  | description | created_at          | updated_at          | special    |
|--------------------------|----|-------|-------|-------------|---------------------|---------------------|------------|
| <input type="checkbox"/> | 1  | Admin | admin | NULL        | 2019-04-17 21:27:02 | 2019-04-17 21:27:02 | all-access |

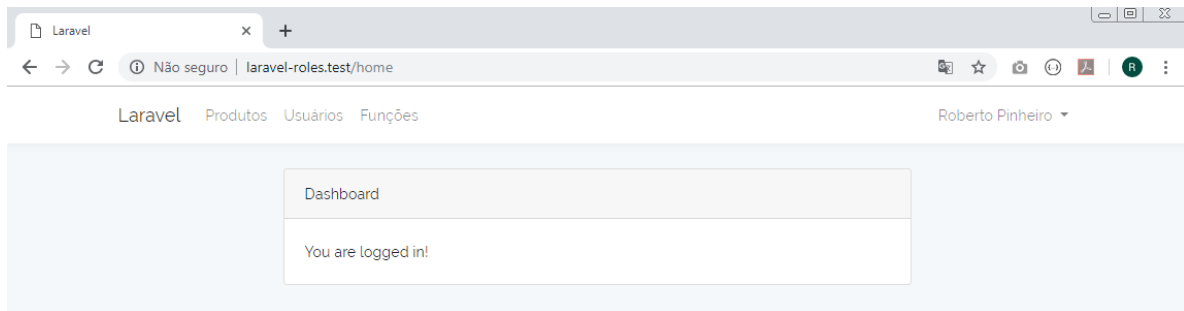
↑ ☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

### role\_user

+ Options

|                          | id | role_id | user_id | created_at          | updated_at          |
|--------------------------|----|---------|---------|---------------------|---------------------|
| <input type="checkbox"/> | 1  | 1       | 21      | 2019-04-17 23:37:34 | 2019-04-17 23:37:34 |

↑ ☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export



## roles

Showing rows 0 - 0 (1 total, Query took 0.0100 seconds.)

```
SELECT * FROM `roles`
```

```
UPDATE `roles` SET `special` = NULL WHERE `roles`.`id` = 1;
```

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

|   | id | name  | slug  | description | created_at          | updated_at          | special |
|---|----|-------|-------|-------------|---------------------|---------------------|---------|
| <input type="checkbox"/> Edit Copy Delete | 1  | Admin | admin | NULL        | 2019-04-17 21:27:02 | 2019-04-17 21:27:02 | NULL    |

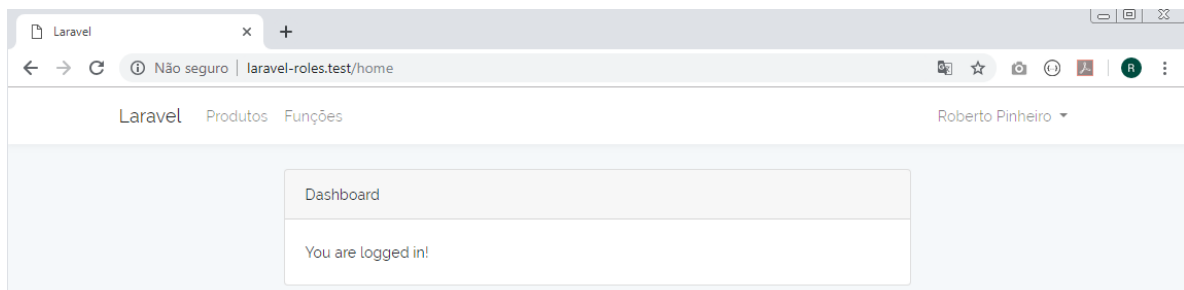
Check all | With selected: Edit Copy Delete Export

## permission\_role

+ Options

|   | id | permission_id | role_id | created_at          | updated_at          |
|---|----|---------------|---------|---------------------|---------------------|
| <input type="checkbox"/> Edit Copy Delete | 1  | 10            | 1       | 2019-04-17 23:52:38 | 2019-04-17 23:52:38 |
| <input type="checkbox"/> Edit Copy Delete | 2  | 5             | 1       | 2019-04-17 23:53:54 | 2019-04-17 23:53:54 |

Check all | With selected: Edit Copy Delete Export



## Aula 11 - Ocultar ou mostrar botões segundo a permissão atribuída

Volte a deixar o usuário 21 com todos os acessos:

+ Options

</

Na tabela permission\_role, apague os dois acessos personalizados

### http/Controllers/ProductController.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use App\Product;
```

```
use Illuminate\Http\Request;
```

```
class ProductController extends Controller
```

```
{
```

```
    public function index()
```

```
    {
```

```
        $products = Product::paginate();
```

```
        return view('products.index', compact('products'));
```

```
    }
```

```
    public function create()
```

```
    {
```

```
        //
```

```
    }
```

```
    public function store(Request $request)
```

```
    {
```

```
        //
```

```
    }
```

```
    public function show(Product $product)
```

```
    {
```

```
        //
```

```
    }
```

```

public function edit(Product $product)
{
    //
}

public function update(Request $request, Product $product)
{
    //
}

public function destroy(Product $product)
{
    //
}
}

```

## **resources/views/products/index.blade.php**

```

@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">
                    Produtos
                    @can('products.create')
                        <a href="{{ route('products.create') }}"
                            class="btn btn-sm btn-primary float-right">
                            Criar
                        </a>
                    @endcan
                </div>
                <div class="card-body">
                    <table class="table table-striped table-hover">
                        <thead>
                            <tr>
                                <th width="10px">ID</th>
                                <th>Nome</th>
                                <th colspan="3">&nbsp;</th>
                            </tr>
                        </thead>

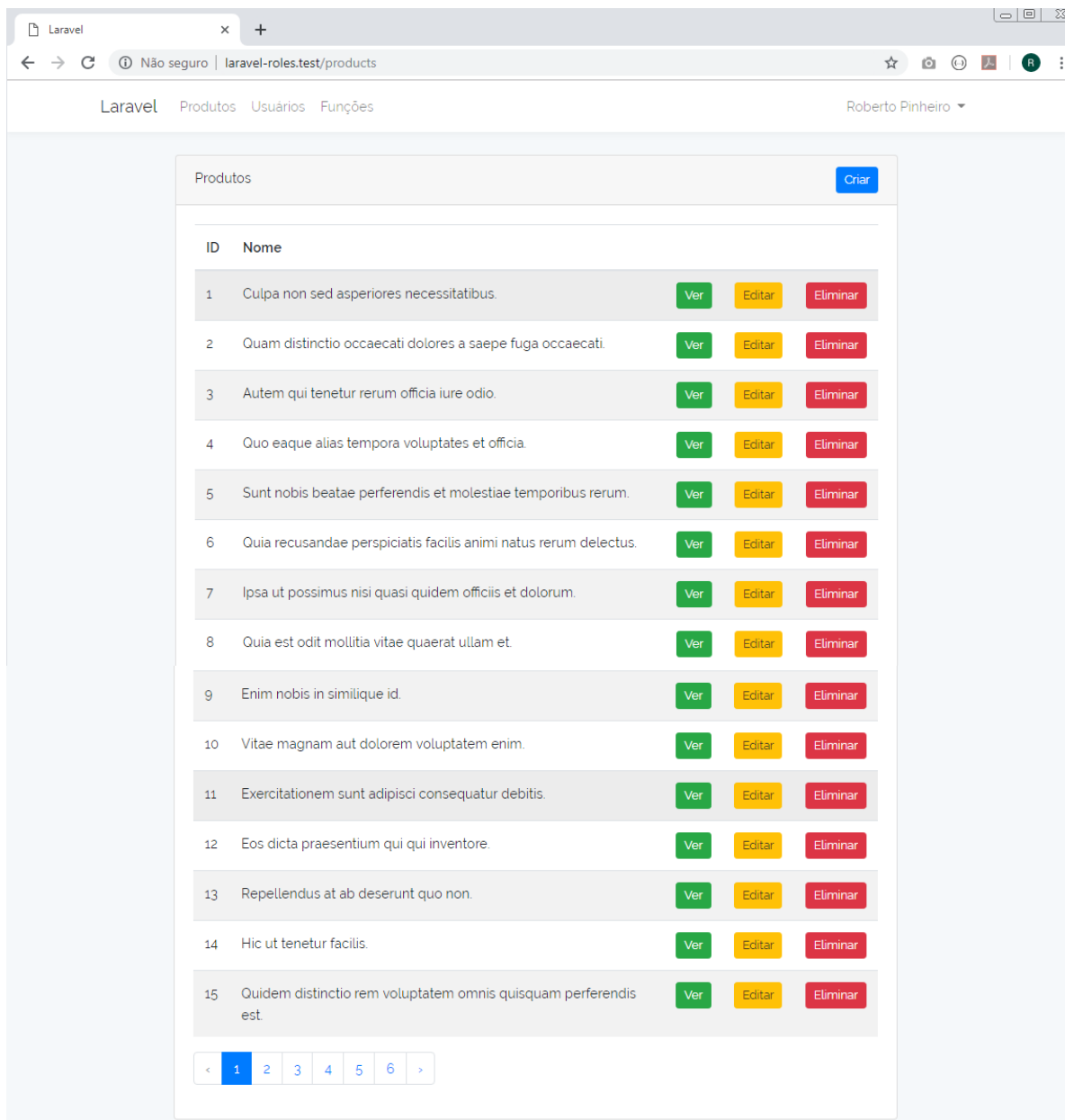
```



```

<tbody>
  @foreach($products as $product)
    <tr>
      <td>{{ $product->id }}</td>
      <td>{{ $product->name }}</td>
      <td width="10px">
        @can('products.show')
          <a href="{{ route('products.show', $product->id) }}"
            class="btn btn-sm btn-success">Ver</a>
        @endcan
      </td>
      <td width="10px">
        @can('products.edit')
          <a href="{{ route('products.edit', $product->id) }}"
            class="btn btn-sm btn-warning">Editar</a>
        @endcan
      </td>
      <td width="10px">
        @can('products.destroy')
          {!! Form::open(['route' => ['products.destroy',
$product->id],
                        'method' => 'DELETE']) !!}
          <button class="btn btn-sm btn-
danger">Eliminar</button>
          {!! Form::close() !!}
        @endcan
      </td>
    </tr>
  @endforeach
</tbody>
</table>
{{ $products->render() }}
</div>
</div>
<div class="col-md-1"></div>
</div>
</div>
@endsection

```



## Aula 12 - Métodos de um controlador - Injeção de método

### http/Controllers/ProductController.php

```
<?php

namespace App\Http\Controllers;

use App\Product;
use Illuminate\Http\Request;

class ProductController extends Controller
{
    public function index()
    {
        $products = Product::paginate();
        return view('products.index', compact('products'));
    }
    public function create()
    {
        return view('products.create');
    }
    public function store(Request $request)
    {
        $product = Product::create($request->all());
        return redirect()->route('products.edit', $product->id)
            ->with('info', 'Produto gravado com sucesso!');
    }
    public function show(Product $product)
    {
        return view('products.show', compact('product'));
    }
    public function edit(Product $product)
    {
        return view('products.edit', compact('product'));
    }
    public function update(Request $request, Product $product)
    {
        $product->update($request->all());
        return redirect()->route('products.edit', $product->id)
            ->with('info', 'Produto atualizado com sucesso!');
    }
    public function destroy(Product $product)
    {
        $product->delete();
        return back()->with('info', 'Produto eliminado com sucesso!');
    }
}
```

## **app/Product.php**

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Product extends Model
{
    protected $fillable = [
        'name', 'description'
    ];
}
```

# Aula 13 - Vista form e show | Debug de erros

## resources/views/products/partials/form.blade.php

```
<div class="form-group">
    {{ Form::label('name', 'Nome do produto') }}
    {{ Form::text('name', null, ['class' => 'form-control']) }}
</div>
<div class="form-group">
    {{ Form::label('description', 'Descrição do produto') }}
    {{ Form::text('description', null, ['class' => 'form-control']) }}
</div>
<div class="form-group">
    {{ Form::submit('Gravar', ['class' => 'btn btn-sm btn-primary']) }}
</div>
```

## resources/views/products/show.blade.php

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Produto</div>
                <div class="card-body">
                    <p><strong>Produto: </strong> {{ $product->name }}</p>
                    <p><strong>Descrição: </strong> {{ $product->description }}</p>
                </div>
            </div>
        </div>
        <div class="col-md-1"></div>
    </div>
</div>
@endsection
```



## Aula 14 - Formulário criar e editar do módulo de produtos

### resources/views/products/edit.blade.php

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Produto</div>
                <div class="card-body">
                    {!! Form::model($product, ['route' => ['products.update',
$product->id], 'method' => 'PUT']) !!}
                    @include('products.partials.form')
                    {!! Form::close() !!}
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-1"></div>
</div>
@endsection
```

### resources/views/products/create.blade.php

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Produto</div>
                <div class="card-body">
                    {!! Form::open(['route' => 'products.store']) !!}
                    @include('products.partials.form')
                    {!! Form::close() !!}
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-1"></div>
</div>
@endsection
```

## resources/views/layouts/app.blade.php

```
<!DOCTYPE html>
<html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- CSRF Token -->
    <meta name="csrf-token" content="{{ csrf_token() }}">

    <title>{{ config('app.name', 'Laravel') }}</title>

    <!-- Scripts -->
    <script src="{{ asset('js/app.js') }}" defer></script>

    <!-- Fonts -->
    <link rel="dns-prefetch" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css?family=Nunito" rel="stylesheet"
type="text/css">

    <!-- Styles -->
    <link href="{{ asset('css/app.css') }}" rel="stylesheet">
</head>
<body>
    <div id="app">
        <nav class="navbar navbar-expand-md navbar-light navbar-laravel">
            <div class="container">
                <a class="navbar-brand" href="{{ url('/') }}">
                    {{ config('app.name', 'Laravel') }}
                </a>
                <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="{{ __('Toggle navigation') }}">
                    <span class="navbar-toggler-icon"></span>
                </button>

                <div class="collapse navbar-collapse" id="navbarSupportedContent">
                    <!-- Left Side Of Navbar -->
                    <ul class="navbar-nav mr-auto">
                        @can('products.index')
                            <li class="nav-item">
                                <a class="nav-link" href="{{ route('products.index')
}}">Produtos</a>
                            </li>
                        @endcan
                        @can('users.index')
                            <li class="nav-item">
                                <a class="nav-link" href="{{ route('users.index')
}}">Usuários</a>
                            </li>
                        @endcan
                        @can('roles.index')
```

```

        <li class="nav-item">
            <a class="nav-link" href="{{ route('roles.index')
}}">Funções</a>
        </li>
    @endcan
</ul>
<!-- Right Side Of Navbar -->
<ul class="navbar-nav ml-auto">
    <!-- Authentication Links -->
    @guest
        <li class="nav-item">
            <a class="nav-link" href="{{ route('login') }}">{{ __('Login')
}}</a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="{{ route('register') }}">{{
__('Register') }}</a>
        </li>
    @else
        <li class="nav-item dropdown">
            <a id="navbarDropdown" class="nav-link dropdown-toggle"
href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false" v-pre>
                {{ Auth::user()->name }} <span class="caret"></span>
            </a>

            <div class="dropdown-menu dropdown-menu-right" aria-
labelledby="navbarDropdown">
                <a class="dropdown-item" href="{{ route('logout') }}"
onclick="event.preventDefault();
document.getElementById('logout-
form').submit();">
                    {{ __('Logout') }}
                </a>

                <form id="logout-form" action="{{ route('logout') }}"
method="POST" style="display: none;">
                    @csrf
                </form>
            </div>
        </li>
    @endguest
</ul>
</div>
</div>
</nav>

```



```
<br>
@if(session('info'))
  <div class="container">
    <div class="row">
      <div class="col-md-1"></div>
      <div class="col-md-10">
        <div class="alert alert-success">
          {{ session('info') }}
        </div>
      </div>
      <div class="col-md-1"></div>
    </div>
  </div>
@endif

@yield('content')
</div>
</body>
</html>
```

Editando um produto:

Laravel

Produtos

Usuários

Funções

Roberto Pinheiro

Produto

Nome do produto

Culpa non sed asperiores necessitatibus - EDITADO

Descrição do produto

Voluptas non recusandae et neque sit nihil et sed.

Gravar

Laravel

Produtos

Usuários

Funções

Roberto Pinheiro

Produto atualizado com sucesso!

Produto

Nome do produto

Culpa non sed asperiores necessitatibus - EDITADO

Descrição do produto

Voluptas non recusandae et neque sit nihil et sed.

Gravar

Laravel

Produtos

Usuários

Funções

Roberto Pinheiro

Produtos

Criar

| ID | Nome   |     |        |          |
|----|--|-----|--------|----------|
| 1  | Culpa non sed asperiores necessitatibus - EDITADO                | Ver | Editar | Eliminar |
| 2  | Quam distinctio occaecati dolores a saepe fuga occaecati.        | Ver | Editar | Eliminar |
| 3  | Autem qui tenetur rerum officia iure odio.                       | Ver | Editar | Eliminar |
| 4  | Quo eaque alias tempora voluptates et officia.                   | Ver | Editar | Eliminar |
| 5  | Sunt nobis beatae perferendis et molestiae temporibus rerum.     | Ver | Editar | Eliminar |
| 6  | Quia recusandae perspiciatis facilis animi natus rerum delectus. | Ver | Editar | Eliminar |
| 7  | Ipsa ut possimus nisi quasi quidem officiis et dolorum.          | Ver | Editar | Eliminar |

Criando um produto:

Laravel

Produtos

Usuários

Funções

Roberto Pinheiro

Produto

Nome do produto

Novo produto

Descrição do produto

Descrição do novo produto

Gravar

Laravel

Produtos

Usuários

Funções

Roberto Pinheiro

Produto gravado com sucesso!

Produto

Nome do produto

Novo produto

Descrição do produto

Descrição do novo produto

Gravar

Laravel

Produtos

Usuários

Funções

Roberto Pinheiro

Produtos

Criar

| ID | Nome  |     |        |          |
|----|---|-----|--------|----------|
| 76 | Expedita quod nostrum aut et minima.                  | Ver | Editar | Eliminar |
| 77 | Est id eos incidunt qui.                              | Ver | Editar | Eliminar |
| 78 | Voluptatum nulla sit quasi dignissimos in reiciendis. | Ver | Editar | Eliminar |
| 79 | Facere inventore in et et et unde.                    | Ver | Editar | Eliminar |
| 80 | Quasi magni veniam cum et non qui quia.               | Ver | Editar | Eliminar |
| 81 | Novo produto  | Ver | Editar | Eliminar |

<

1

2

3

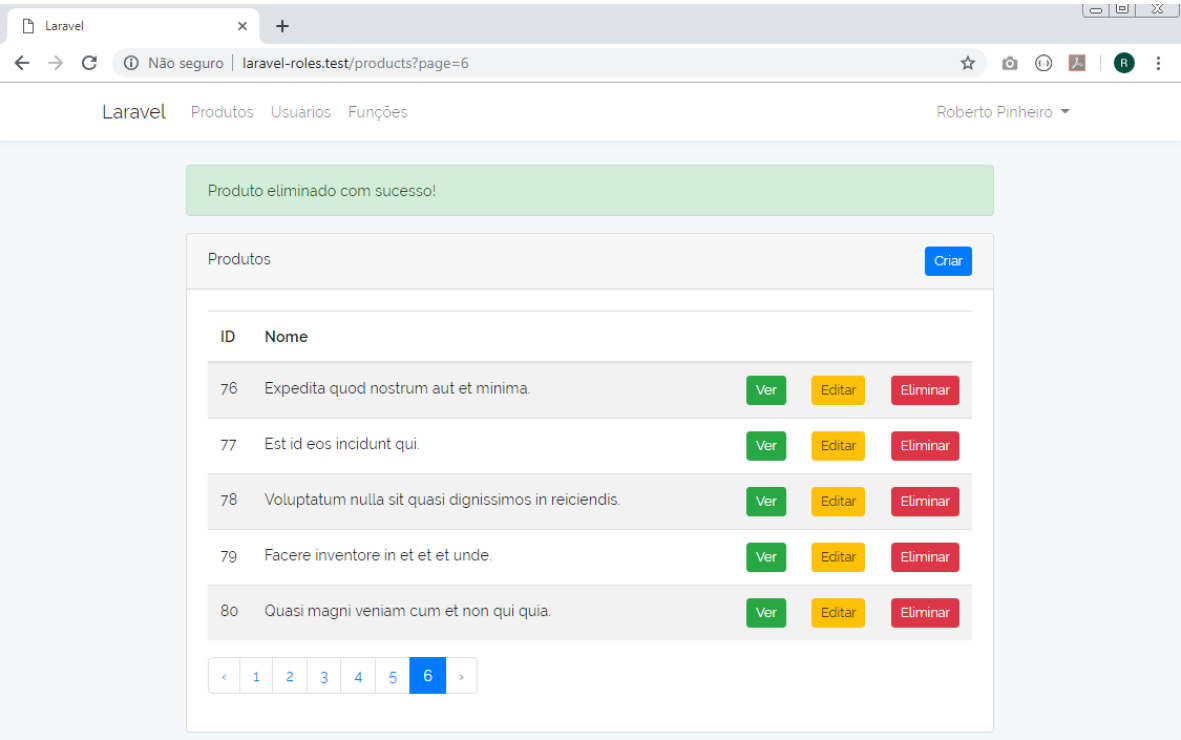
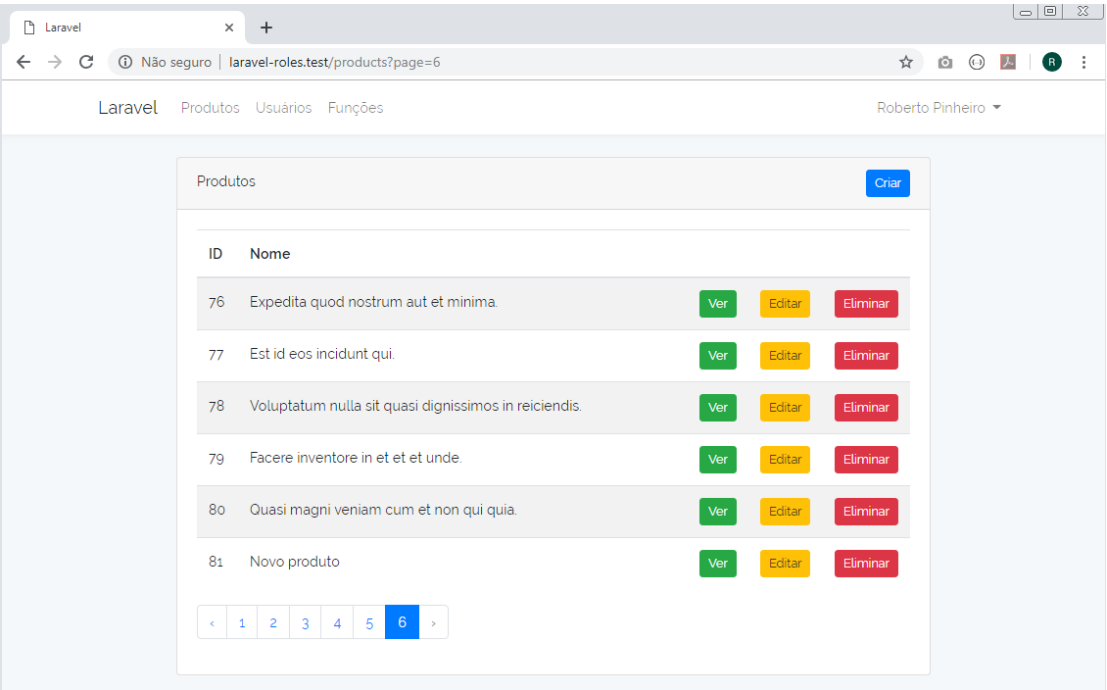
4

5

6

>

# Eliminando um produto (id 81)



## Aula 15 - Módulo de usuário - index

### **http/Controllers/UserController.php**

```
<?php

namespace App\Http\Controllers;

use App\User;
use Illuminate\Http\Request;

class UserController extends Controller
{
    public function index()
    {
        $users = User::paginate();
        return view('users.index', compact('users'));
    }

    public function show(User $user)
    {
        return view('users.show', compact('user'));
    }

    public function edit(User $user)
    {
        return view('users.edit', compact('user'));
    }

    public function update(Request $request, User $user)
    {
        $user->update($request->all());
        return redirect()->route('users.index', $user->id)
            ->with('info', 'Usuário atualizado com sucesso!');
    }

    public function destroy(User $user)
    {
        $user->delete();
        return back()->with('info', 'Usuário eliminado com sucesso!');
    }
}
```

Duplique (copie) a pasta `views/resources/products` como `views/resources/users`

Elimine o arquivo `create.blade.php`

Nesta primeira etapa, altere apenas o arquivo abaixo

### **resources/views/users/index.blade.php**

```
@extends('layouts.app')
```

```
@section('content')
```

```
<div class="container">
```

```
    <div class="row justify-content-center">
```

```
        <div class="col-md-1"></div>
```

```
        <div class="col-md-10">
```

```
            <div class="card">
```

```
                <div class="card-header">
```

```
                    Usuários
```

```
                </div>
```

```
                <div class="card-body">
```

```
                    <table class="table table-striped table-hover">
```

```
                        <thead>
```

```
                            <tr>
```

```
                                <th width="10px">ID</th>
```

```
                                <th>Nome</th>
```

```
                                <th colspan="3">&nbsp;</th>
```

```
                            </tr>
```

```
                        </thead>
```

```
                        <tbody>
```

```
                            @foreach($users as $user)
```

```
                                <tr>
```

```
                                    <td>{{ $user->id }}</td>
```

```
                                    <td>{{ $user->name }}</td>
```

```
                                    <td width="10px">
```

```
                                        @can('users.show')
```

```
                                            <a href="{{ route('users.show', $user->id) }}"
                                                class="btn btn-sm btn-success">Ver</a>
```

```
                                        @endcan
```

```
                                    </td>
```

```
                                    <td width="10px">
```

```
                                        @can('users.edit')
```

```
                                            <a href="{{ route('users.edit', $user->id) }}"
                                                class="btn btn-sm btn-warning">Editar</a>
```

```
                                        @endcan
```

```
                                    </td>
```

```
                                    <td width="10px">
```

```
                                        @can('users.destroy')
```

```
                                            {!! Form::open(['route' => ['users.destroy', $user-
```

```
>id],
```

```
                                            'method' => 'DELETE']) !!}

```

```
                                            <button class="btn btn-sm btn-
```

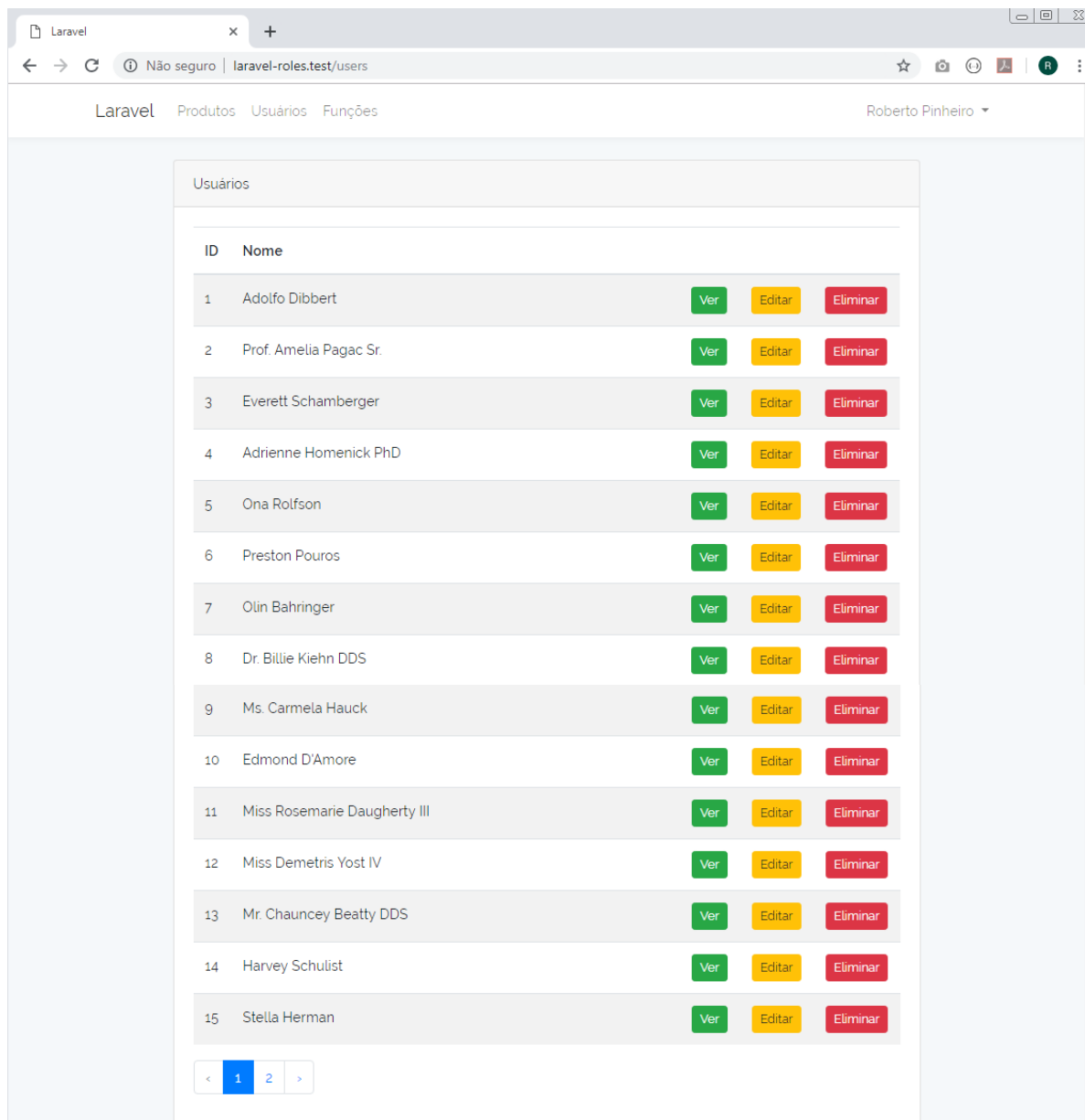
```
danger">Eliminar</button>
```

```

        {!! Form::close() !!}
    @endcan
</td>
</tr>
@endforeach

</tbody>
</table>
{{ $users->render() }}
</div>
</div>
</div>
<div class="col-md-1"></div>
</div>
</div>
@endsection

```



## Aula 16 - Módulo de usuário - show, destroy, edit

### resources/views/users/show.blade.php

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Usuário</div>
                <div class="card-body">
                    <p><strong>Nome: </strong> {{ $user->name }}</p>
                    <p><strong>Email: </strong> {{ $user->email }}</p>
                </div>
            </div>
        </div>
        <div class="col-md-1"></div>
    </div>
</div>
@endsection
```

### resources/views/users/edit.blade.php

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Usuário</div>
                <div class="card-body">
                    {!! Form::model($user, ['route' => ['users.update', $user->id],
'method' => 'PUT']) !!}
                    @include('users.partials.form')
                    {!! Form::close() !!}
                </div>
            </div>
        </div>
        <div class="col-md-1"></div>
    </div>
</div>
@endsection
```



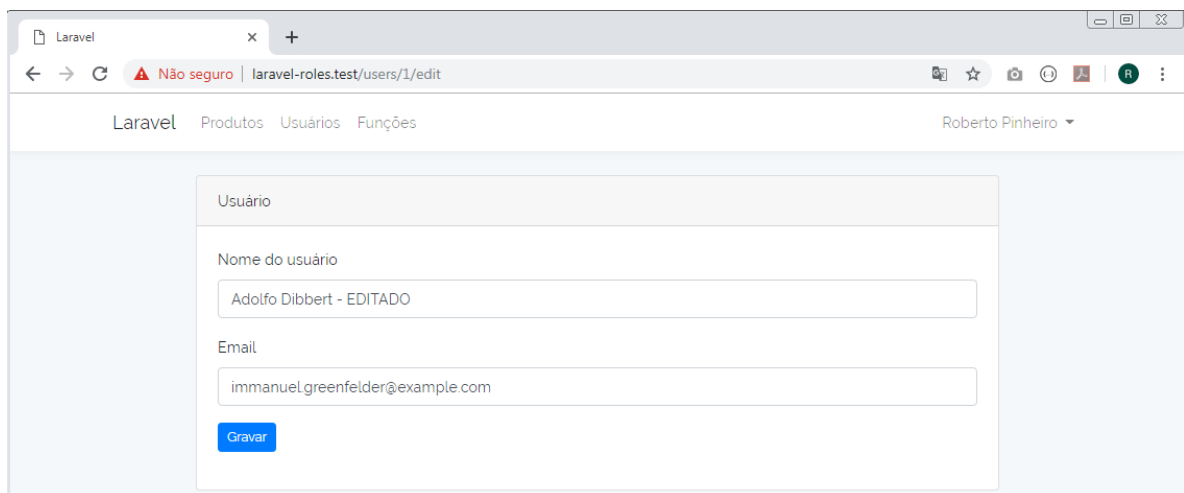
## resources/views/users/partials/form.blade.php

```
<div class="form-group">
    {{ Form::label('name', 'Nome do usuário') }}
    {{ Form::text('name', null, ['class' => 'form-control']) }}
</div>
<div class="form-group">
    {{ Form::label('email', 'Email') }}
    {{ Form::text('email', null, ['class' => 'form-control']) }}
</div>
<div class="form-group">
    {{ Form::submit('Gravar', ['class' => 'btn btn-sm btn-primary']) }}
</div>
```

Exibindo informações de usuário:



Editando informações de usuário:



Usuário atualizado com sucesso!

Usuários

| ID | Nome                     |     |        |          |
|----|--------------------------|-----|--------|----------|
| 1  | Adolfo Dibbert - EDITADO | Ver | Editar | Eliminar |
| 2  | Prof. Amelia Pagac Sr.   | Ver | Editar | Eliminar |
| 3  | Everett Schamberger      | Ver | Editar | Eliminar |
| 4  | Adrienne Homenick PhD    | Ver | Editar | Eliminar |
| 5  | Ona Rolfson              | Ver | Editar | Eliminar |
| 6  | Preston Poulos           | Ver | Editar | Eliminar |
| 7  | Olin Bahringer           | Ver | Editar | Eliminar |

Printman

## Eliminando usuário de id 2:

Laravel

Não seguro | laravel-roles.test/users?1

☆📷🕒📄R

LaravelProdutosUsuáriosFunções

Roberto Pinheiro ▾

Usuário eliminado com sucesso!

Usuários

| ID | Nome                     |     |        |          |
|----|--------------------------|-----|--------|----------|
| 1  | Adolfo Dibbert - EDITADO | Ver | Editar | Eliminar |
| 3  | Everett Schamberger      | Ver | Editar | Eliminar |
| 4  | Adrienne Homenick PhD    | Ver | Editar | Eliminar |
| 5  | Ona Rolfson              | Ver | Editar | Eliminar |
| 6  | Preston Pouros           | Ver | Editar | Eliminar |
| 7  | Olin Bahringer           | Ver | Editar | Eliminar |
| 8  | Dr. Billie Kiehn DDS     | Ver | Editar | Eliminar |

## Aula 17 - Desenho de edição de usuários (Listagem de roles)

**resources/views/users/partials/form.blade.php**

```
<div class="form-group">
  {{ Form::label('name', 'Nome') }}
  {{ Form::text('name', null, ['class' => 'form-control']) }}
</div>
<hr>
<h3>Lista de roles</h3>
<div class="form-group">
  <ul class="list-unstyled">
    @foreach($roles as $role)
      <li>
        <label>
          {{ Form::checkbox('roles[]', $role->id, null) }}
          {{ $role->name }}
          <em>({{ $role->description ? : 'Sem descrição' }})</em>
        </label>
      </li>
    @endforeach
  </ul>
</div>
<div class="form-group">
  {{ Form::submit('Gravar', ['class' => 'btn btn-sm btn-primary']) }}
</div>
```

## http/Controllers/UserController.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use App\User;
```

```
use Caffeinated\Shinobi\Models\Role;
```

```
use Illuminate\Http\Request;
```

```
class UserController extends Controller
```

```
{
```

```
    public function index()
```

```
    {
```

```
        $users = User::paginate();
```

```
        return view('users.index', compact('users'));
```

```
    }
```

```
    public function show(User $user)
```

```
    {
```

```
        return view('users.show', compact('user'));
```

```
    }
```

```
    public function edit(User $user)
```

```
    {
```

```
        $roles = Role::get();
```

```
        return view('users.edit', compact('user', 'roles'));
```

```
    }
```

```
    public function update(Request $request, User $user)
```

```
    {
```

```
        $user->update($request->all());
```

```
        return redirect()->route('users.index', $user->id)
```

```
        ->with('info', 'Usuário atualizado com sucesso!');
```

```
    }
```

```
    public function destroy(User $user)
```

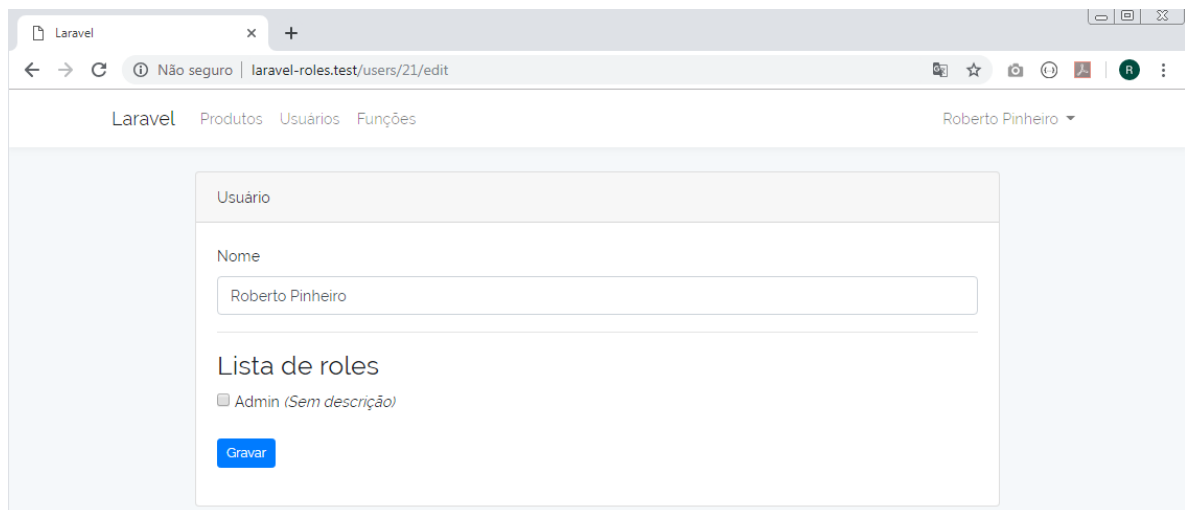
```
    {
```

```
        $user->delete();
```

```
        return back()->with('info', 'Usuário eliminado com sucesso!');
```

```
    }
```

```
}
```



## Aula 18 - Atribuição de roles a usuários

Na tabela roles, altere description de "null" para "Role Administrador"

Showing rows 0 - 0 (1 total, Query took 0.0000 seconds.)

```
SELECT * FROM `roles`
```

Profiling [Edit inline]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

|   | id | name  | slug  | description        | created_at          | updated_at          | special    |
|---|----|-------|-------|--------------------|---------------------|---------------------|------------|
| <input type="checkbox"/> Edit Copy Delete | 1  | Admin | admin | Role Administrador | 2019-04-17 21:27:02 | 2019-04-17 21:27:02 | all-access |

Check all | With selected: Edit Copy Delete Export

Laravel

Não seguro | laravel-roles.test/users/21/edit

Laravel Produtos Usuários Funções Roberto Pinheiro

Usuário

Nome

Roberto Pinheiro

Lista de roles

☐ Admin (Role Administrador)

Gravar

Crie um novo role: Suspenso

Showing rows 0 - 1 (2 total, Query took 0.0000 seconds.)

```
SELECT * FROM `roles`
```

Profiling [Edit inline] [Edit]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

|   | id | name     | slug     | description        | created_at          | updated_at          | special    |
|---|----|----------|----------|--------------------|---------------------|---------------------|------------|
| <input type="checkbox"/> Edit Copy Delete | 1  | Admin    | admin    | Role Administrador | 2019-04-17 21:27:02 | 2019-04-17 21:27:02 | all-access |
| <input type="checkbox"/> Edit Copy Delete | 2  | Suspenso | suspenso | Usuários de férias | 2019-04-18 01:50:00 | 2019-04-18 01:50:00 | no-access  |

Check all | With selected: Edit Copy Delete Export

## http/Controllers/UserController.php

```
<?php

namespace App\Http\Controllers;

use App\User;
use Caffeinated\Shinobi\Models\Role;
use Illuminate\Http\Request;

class UserController extends Controller
{
    public function index()
    {
        $users = User::paginate();
        return view('users.index', compact('users'));
    }

    public function show(User $user)
    {
        return view('users.show', compact('user'));
    }

    public function edit(User $user)
    {
        $roles = Role::get();
        return view('users.edit', compact('user', 'roles'));
    }

    public function update(Request $request, User $user)
    {
        // Atualizar usuário
        $user->update($request->all());

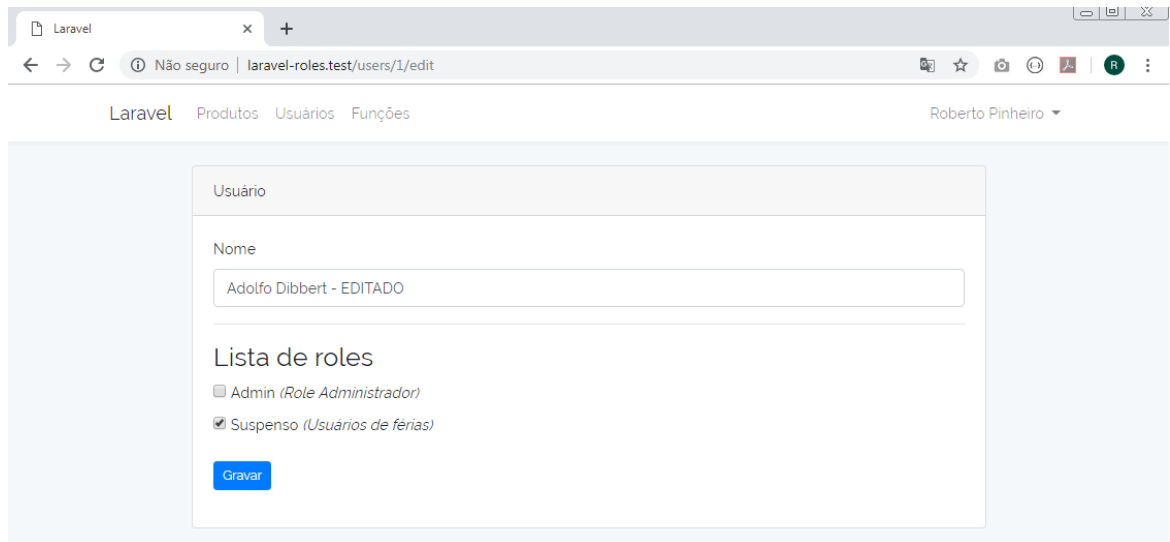
        // Atualizar roles
        $user->roles()->sync($request->get('roles'));

        return redirect()->route('users.index', $user->id)
            ->with('info', 'Usuário atualizado com sucesso!');
    }

    public function destroy(User $user)
    {
        $user->delete();
        return back()->with('info', 'Usuário eliminado com sucesso!');
    }
}
```



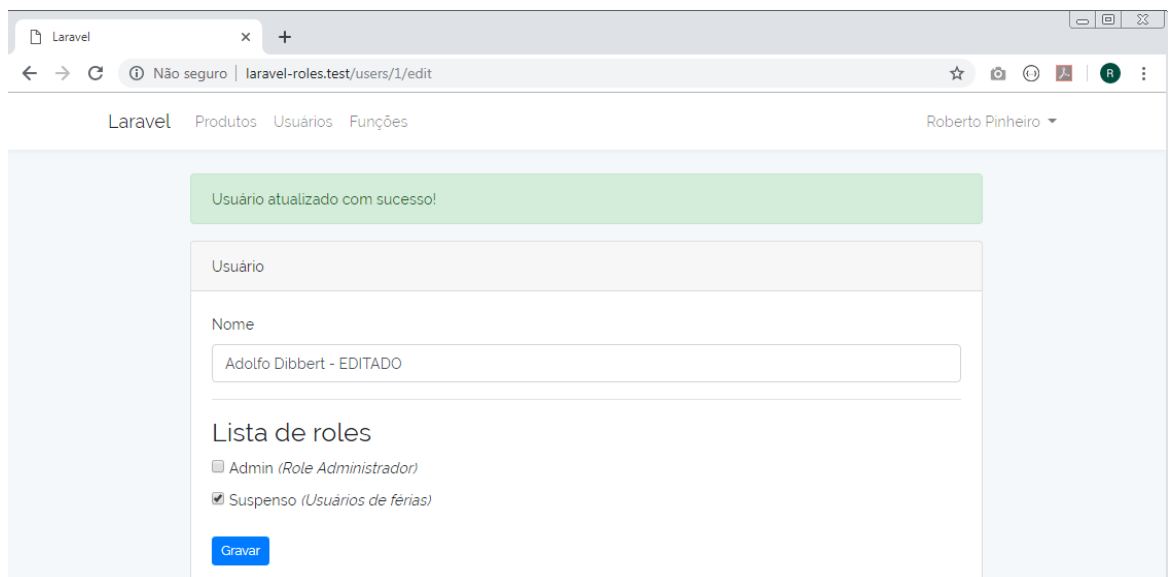
Editando roles do usuário de id 1:



The screenshot shows a web browser window with the URL `laravel-roles.test/users/1/edit`. The page has a navigation bar with 'Laravel', 'Produtos', 'Usuários', and 'Funções'. The user 'Roberto Pinheiro' is logged in. The main content area is titled 'Usuário' and contains a form with the following fields:

- Nome:** A text input field containing 'Adolfo Dibbert - EDITADO'.
- Lista de roles:** A section with two checkboxes:
  - ☐ Admin (*Role Administrador*)
  - ☒ Suspensao (*Usuários de férias*)
- Gravar:** A blue button to save the changes.

Marque a opção "Suspensao" e clique no botão "Gravar".



The screenshot shows the same web browser window as before, but with a green success message at the top: 'Usuário atualizado com sucesso!'. The form fields are identical to the previous screenshot, with the 'Suspensao' checkbox selected and the 'Gravar' button visible.

tabela **role\_user**

✓ Showing rows 0 - 1 (2 total, Query took 0.0000 seconds.)

`SELECT * FROM `role_user``

☐ Show all

Number of rows: 25

Filter rows:

Sort by key:

+ Options

↩ ↗

▼

id

role\_id

user\_id

created\_at

updated\_at

|                          |      |      |        |   |   |    |                     |                     |
|--------------------------|------|------|--------|---|---|----|---------------------|---------------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 2 | 1 | 21 | 2019-04-18 02:50:18 | 2019-04-18 02:50:18 |
| <input type="checkbox"/> | Edit | Copy | Delete | 3 | 2 | 1  | 2019-04-18 05:59:24 | 2019-04-18 05:59:24 |

⬆

☐ Check all

With selected:

Edit

Copy

Delete

Export

## Aula 19 - Desenho do módulo Roles

### http/Controllers/RoleController.php

```
<?php

namespace App\Http\Controllers;

use Caffeinated\Shinobi\Models\Role;
use Caffeinated\Shinobi\Models\Permission;
use Illuminate\Http\Request;

class RoleController extends Controller
{
    public function index()
    {
        $roles = Role::paginate();
        return view('roles.index', compact('roles'));
    }

    public function create()
    {
        return view('roles.create');
    }

    public function store(Request $request)
    {
        $role = Role::create($request->all());
        return redirect()->route('roles.edit', $role->id)
            ->with('info', 'Role gravado com sucesso!');
    }

    public function show(Role $role)
    {
        return view('roles.show', compact('role'));
    }

    public function edit(Role $role)
    {
        $roles = Role::get();
        return view('roles.edit', compact('role', 'roles'));
    }

    public function update(Request $request, Role $role)
    {
        // Atualizar usuário
        $role->update($request->all());
    }
}
```

```

// Atualizar roles
$role->roles()->sync($request->get('roles'));

return redirect()->route('roles.edit', $role->id)
->with('info', 'Role atualizado com sucesso!');
}

public function destroy(Role $role)
{
    $role->delete();
    return back()->with('info', 'Role eliminado com sucesso!');
}
}

```

## resources/views/roles/index.blade.php

```

@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">
                    Roles
                    @can('roles.create')
                        <a href="{{ route('roles.create') }}"
                            class="btn btn-sm btn-primary float-right">
                            Criar
                        </a>
                    @endcan
                </div>
                <div class="card-body">
                    <table class="table table-striped table-hover">
                        <thead>
                            <tr>
                                <th width="10px">ID</th>
                                <th>Role</th>
                                <th colspan="3">&nbsp;</th>
                            </tr>
                        </thead>
                        <tbody>
                            @foreach($roles as $role)
                                <tr>
                                    <td>{{ $role->id }}</td>
                                    <td>{{ $role->name }}</td>
                                    <td width="10px">
                                        @can('roles.show')
                                            <a href="{{ route('roles.show', $role->id) }}"
                                                class="btn btn-sm btn-success">Ver</a>
                                        @endcan
                                    </td>
                                </tr>
                            @endforeach
                        </tbody>
                    </table>
                </div>
            </div>
        </div>
    </div>
</div>

```

The screenshot displays a web browser window with the address bar showing 'laravel-roles.test/roles'. The page header features the 'Laravel' logo, navigation links for 'Produtos', 'Usuários', and 'Roles', and a user profile 'Roberto Pinheiro'. The main content area is titled 'Roles' and contains a table with two roles: 'Admin' and 'Suspensão'. Each role has three buttons: 'Ver' (green), 'Editar' (yellow), and 'Eliminar' (red). A 'Criar' button is located in the top right corner of the roles section.

| ID | Role      | Ver | Editar | Eliminar |
|----|-----------|-----|--------|----------|
| 1  | Admin     | Ver | Editar | Eliminar |
| 2  | Suspensão | Ver | Editar | Eliminar |

## **resources/views/roles/create.blade.php**

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Role</div>
                <div class="card-body">
                    {!! Form::open(['route' => 'roles.store']) !!}
                    @include('roles.partials.form')
                    {!! Form::close() !!}
                </div>
            </div>
        </div>
        <div class="col-md-1"></div>
    </div>
</div>
@endsection
```

## **resources/views/roles/edit.blade.php**

```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Role</div>
                <div class="card-body">
                    {!! Form::model($role, ['route' => ['roles.update', $role->id], 'method' => 'PUT']) !!}
                    @include('roles.partials.form')
                    {!! Form::close() !!}
                </div>
            </div>
        </div>
        <div class="col-md-1"></div>
    </div>
</div>
@endsection
```

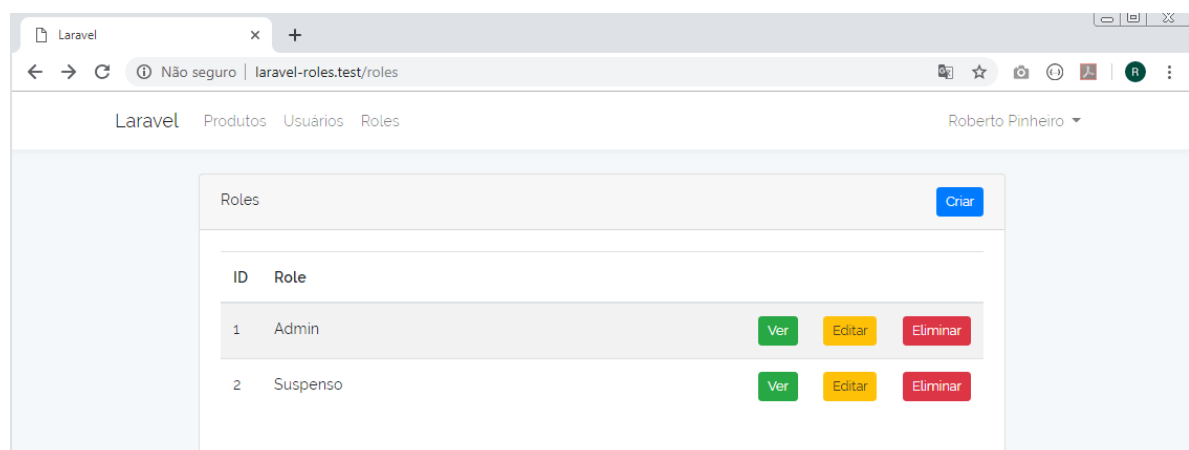
## resources/views/roles/show.blade.php

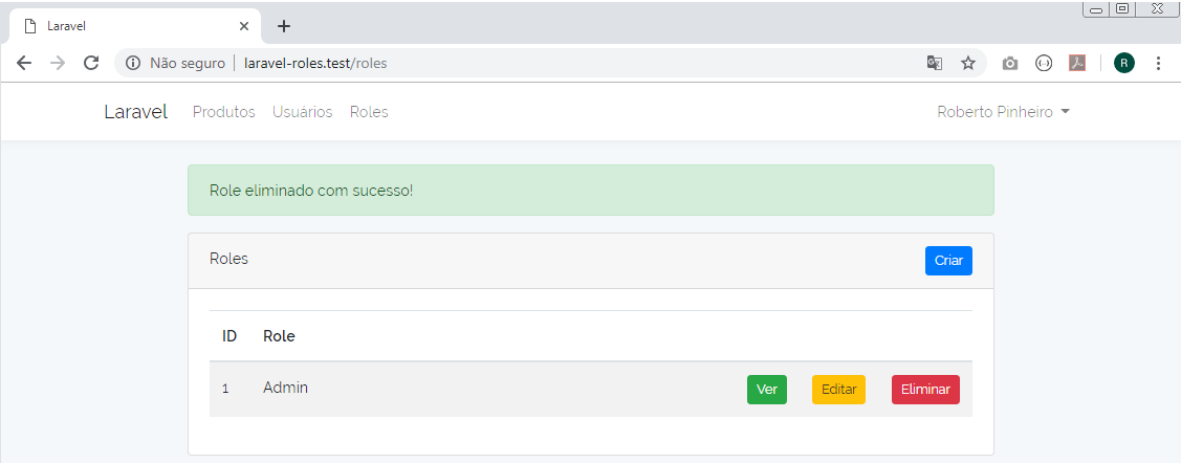
```
@extends('layouts.app')

@section('content')
<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-1"></div>
        <div class="col-md-10">
            <div class="card">
                <div class="card-header">Role</div>
                <div class="card-body">
                    <p><strong>Role: </strong> {{ $role->name }}</p>
                    <p><strong>Slug: </strong> {{ $role->slug }}</p>
                    <p><strong>Descrição: </strong> {{ $role->description
                }}</p>
            </div>
        </div>
    </div>
    <div class="col-md-1"></div>
</div>
@endsection
```

## Eliminando um role

Elimine o role de id 2







## Aula 20 - Gravar e editar roles e permissions

### resources/views/roles/partials/form.blade.php

```
<div class="form-group">
    {{ Form::label('name', 'Nome') }}
    {{ Form::text('name', null, ['class' => 'form-control']) }}
</div>
<div class="form-group">
    {{ Form::label('slug', 'URL amigável') }}
    {{ Form::text('slug', null, ['class' => 'form-control']) }}
</div>
<div class="form-group">
    {{ Form::label('description', 'Descrição') }}
    {{ Form::textarea('description', null, ['class' => 'form-control']) }}
</div>
<hr>
<h3>Permissão especial</h3>
<div class="form-group">
    <label>{{ Form::radio('special', 'all-access') }} Acesso Total</label>
    <label>{{ Form::radio('special', 'no-access') }} Nenhum Acesso</label>
</div>
<h3>Lista de permissions</h3>
<div class="form-group">
    <ul class="list-unstyled">
        @foreach($permissions as $permission)
            <li>
                <label>
                    {{ Form::checkbox('permissions[]', $permission->id, null) }}
                    {{ $permission->name }}
                    <em>({{ $permission->description ? : 'Sem descrição' }})</em>
                </label>
            </li>
        @endforeach
    </ul>
</div>
<div class="form-group">
    {{ Form::submit('Gravar', ['class' => 'btn btn-sm btn-primary']) }}
</div>
```

## http/Controllers/RoleController.php

```
<?php

namespace App\Http\Controllers;

use Caffeinated\Shinobi\Models\Role;
use Caffeinated\Shinobi\Models\Permission;
use Illuminate\Http\Request;

class RoleController extends Controller
{
    public function index()
    {
        $roles = Role::paginate();
        return view('roles.index', compact('roles'));
    }

    public function create()
    {
        $permissions = Permission::get();
        return view('roles.create', compact('permissions'));
    }

    public function store(Request $request)
    {
        $role = Role::create($request->all());

        // Atualizar permissions
        $role->permissions()->sync($request->get('permissions'));

        return redirect()->route('roles.edit', $role->id)
            ->with('info', 'Role gravado com sucesso!');
    }

    public function show(Role $role)
    {
        return view('roles.show', compact('role'));
    }

    public function edit(Role $role)
    {
        $permissions = Permission::get();
        return view('roles.edit', compact('role', 'permissions'));
    }

    public function update(Request $request, Role $role)
    {
        // Atualizar role
        $role->update($request->all());
    }
}
```

```
// Atualizar permissions
$role->permissions()->sync($request->get('permissions'));

return redirect()->route('roles.edit', $role->id)
->with('info', 'Role atualizado com sucesso!');
}

public function destroy(Role $role)
{
    $role->delete();
    return back()->with('info', 'Role eliminado com sucesso!');
}
}
```

## Criando role e permissions

Laravel

Não seguro | laravel-roles.test/roles/create

LaravelProdutosUsuáriosRoles

Roberto Pinheiro

Role

Nome

Supervisor

URL amigável

supervisor

Descrição

Permissão especial

☐ Acesso Total ☐ Nenhum Acesso

Lista de permissions

☒ Exibir usuários *(Lista e exibe todos os usuários do sistema)*

☒ Ver detalhes de usuário *(Ver em detalhes cada usuário do sistema)*

☐ Edição de usuários *(Editar qualquer dado de um usuário do sistema)*

☐ Eliminar usuário *(Eliminar qualquer usuário do sistema)*

☒ Exibir roles *(Lista e exibe todos os roles do sistema)*

☒ Ver detalhes de rol *(Ver em detalhes cada role do sistema)*

☐ Criação de rol *(Criar role do sistema)*

☐ Edição de rol *(Editar qualquer dado de um role do sistema)*

☐ Eliminar rol *(Eliminar qualquer role do sistema)*

☒ Exibir produtos *(Lista e exibe todos os produtos do sistema)*

☒ Ver detalhes de produto *(Ver em detalhes cada produto do sistema)*

☐ Criação de produto *(Criar produto do sistema)*

☐ Edição de produto *(Editar qualquer dado de um produto do sistema)*

☐ Eliminar produto *(Eliminar qualquer produto do sistema)*

Gravar

Laravel

Produtos

Usuários

Roles

Roberto Pinheiro

Role gravado com sucesso!

Role

Nome

Supervisor

URL amigável

supervisor

Descrição

Permissão especial

Acesso Total

Nenhum Acesso

Lista de permissions

☒ Exibir usuários (Lista e exibe todos os usuários do sistema)

☒ Ver detalhes de usuário (Ver em detalhes cada usuário do sistema)

☐ Edição de usuários (Editar qualquer dado de um usuário do sistema)

☐ Eliminar usuário (Eliminar qualquer usuário do sistema)

☒ Exibir roles (Lista e exibe todos os roles do sistema)

☒ Ver detalhes de rol (Ver em detalhes cada role do sistema)

☐ Criação de rol (Criar role do sistema)

☐ Edição de rol (Editar qualquer dado de um role do sistema)

☐ Eliminar rol (Eliminar qualquer role do sistema)

☒ Exibir produtos (Lista e exibe todos os produtos do sistema)

☒ Ver detalhes de produto (Ver em detalhes cada produto do sistema)

☐ Criação de produto (Criar produto do sistema)

☐ Edição de produto (Editar qualquer dado de um produto do sistema)

☐ Eliminar produto (Eliminar qualquer produto do sistema)

Gravar

Laravel

Produtos

Usuários

Roles

Roberto Pinheiro

Roles

Criar

| ID | Role       |     |        |          |
|----|------------|-----|--------|----------|
| 1  | Admin      | Ver | Editar | Eliminar |
| 4  | Supervisor | Ver | Editar | Eliminar |

✓ Showing rows 0 - 1 (2 total, Query took 0.0000 seconds.)

```
SELECT * FROM `roles`
```

Profiling [Edit inline] [Edit]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

|                          |      | id | name       | slug       | description        | created_at          | updated_at          | special    |
|--------------------------|------|----|------------|------------|--------------------|---------------------|---------------------|------------|
| <input type="checkbox"/> | Edit | 1  | Admin      | admin      | Role Administrador | 2019-04-17 21:27:02 | 2019-04-17 21:27:02 | all-access |
| <input type="checkbox"/> | Edit | 4  | Supervisor | supervisor | NULL               | 2019-04-18 07:46:05 | 2019-04-18 07:46:05 | NULL       |

Check all | With selected: Edit Copy Delete Export

## Registrando um novo usuário

Senha: 123456

Laravel

Login Register

Register

Name

E-Mail Address

Password

Confirm Password

Register

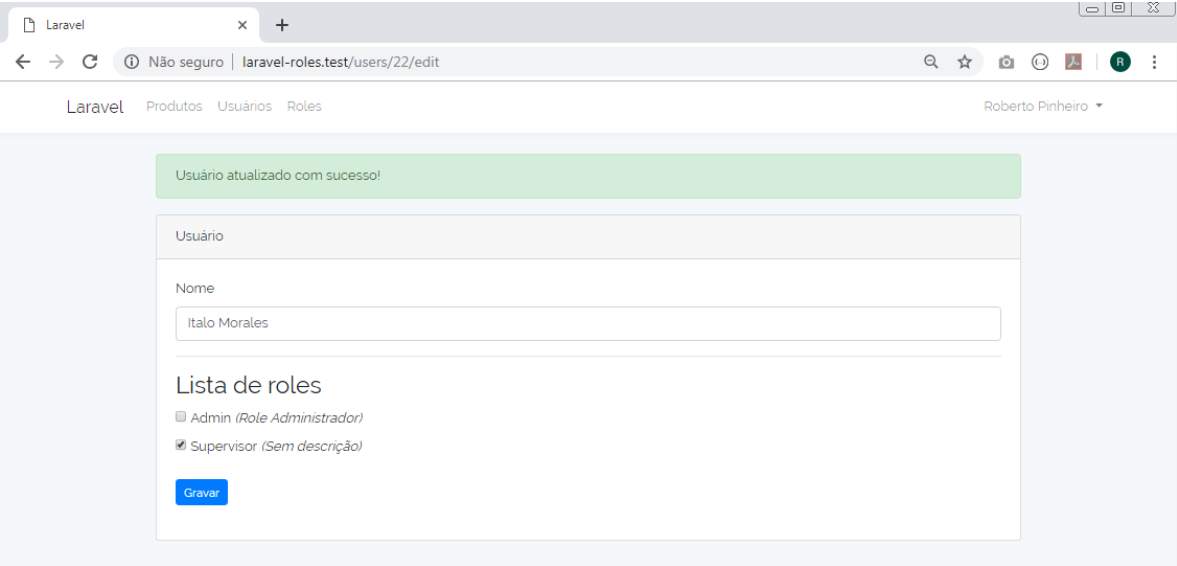
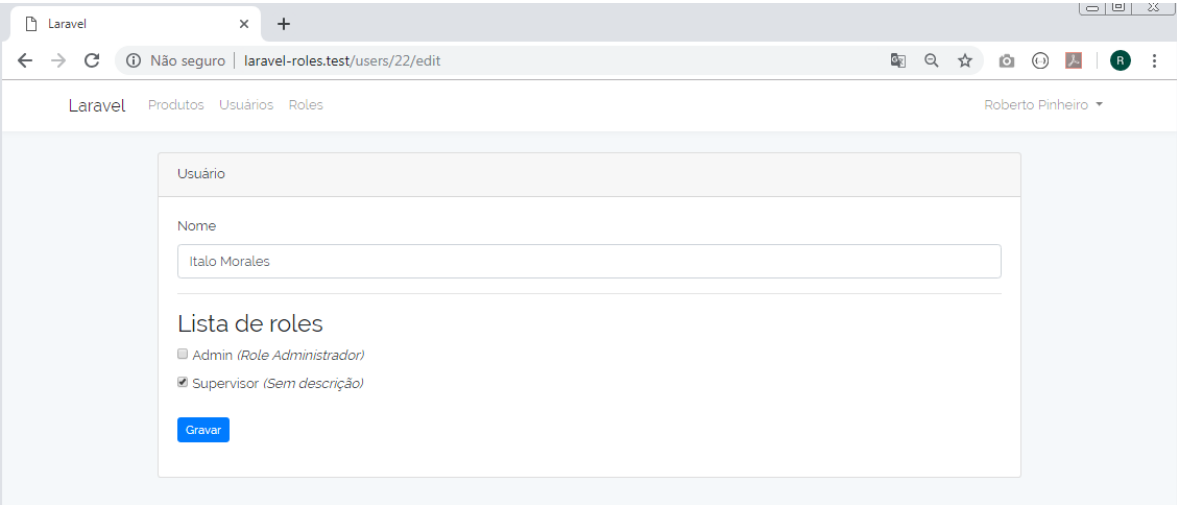
Laravel

Italo Morales

Dashboard

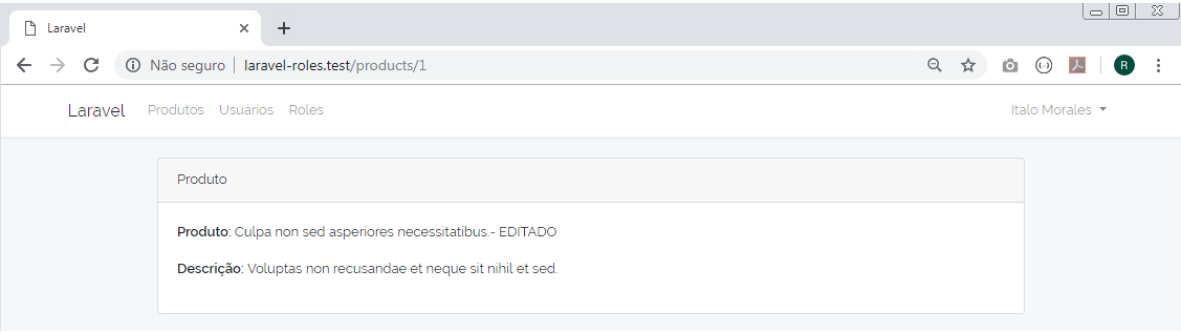
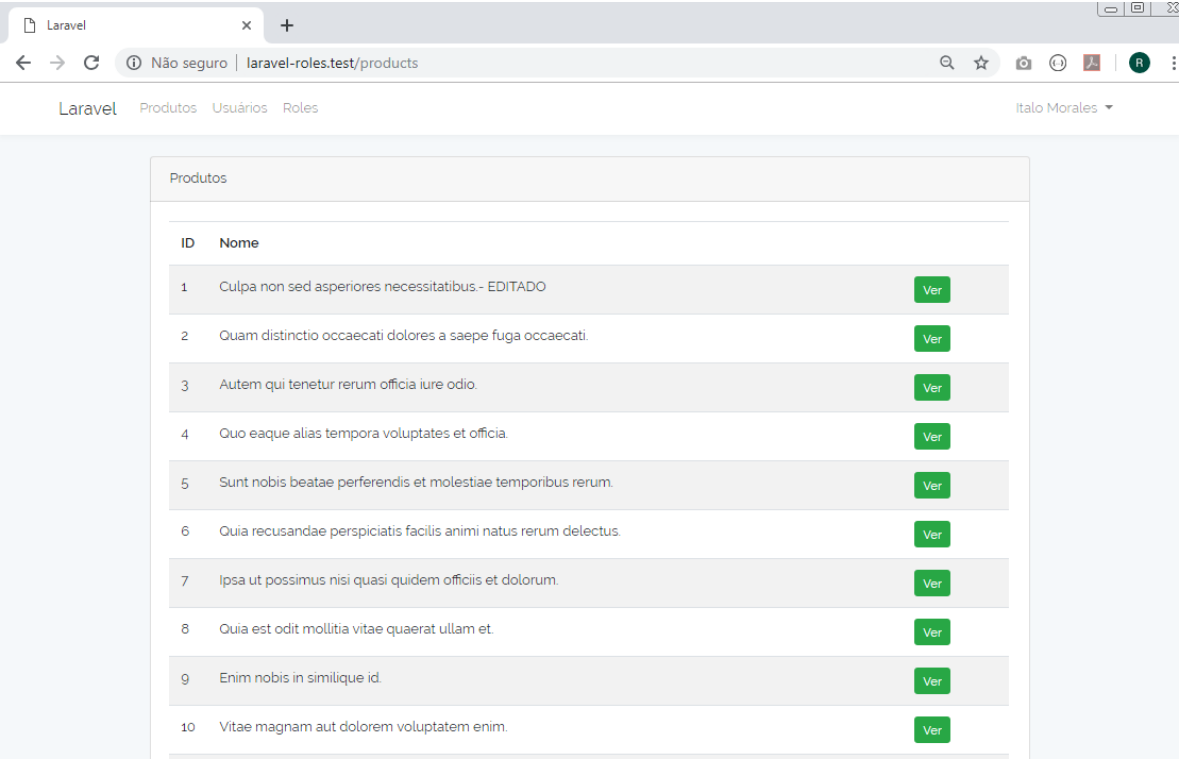
You are logged in!

# Administrador atribuindo role de supervisor ao usuário registrado



# Usuário criado (Italo Morales) acessando o sistema

## Produtos:





# Usuários:

Laravel

Produtos

Usuários

Roles

Italo Morales

Usuários

| ID | Nome                         |     |
|----|------------------------------|-----|
| 1  | Adolfo Dibbert - EDITADO     | Ver |
| 3  | Everett Schamberger          | Ver |
| 4  | Adrienne Homenick PhD        | Ver |
| 5  | Ona Rolfson                  | Ver |
| 6  | Preston Pouros               | Ver |
| 7  | Olin Bahringer               | Ver |
| 8  | Dr. Billie Kiehn DDS         | Ver |
| 9  | Ms. Carmela Hauck            | Ver |
| 10 | Edmond D'Amore               | Ver |
| 11 | Miss Rosemarie Daugherty III | Ver |

Laravel

Produtos

Usuários

Roles

Italo Morales

Usuário

Nome: Everett Schamberger

Email: rollin77@example.com

# Roles:

Laravel

Produtos

Usuários

Roles

Italo Morales

Roles

| ID | Role       |     |
|----|------------|-----|
| 1  | Admin      | Ver |
| 4  | Supervisor | Ver |



## Aula 21 - Atribuindo permissões a partir das rotas e do controlador

### routes/web.php

```
<?php

/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

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

Auth::routes();

Route::get('/home', 'HomeController@index')->name('home');

Route::middleware(['auth'])->group(function(){
    // Roles
    Route::resource('roles', 'RoleController');

    // Products
    Route::post('products/store', 'ProductController@store')-
>name('products.store')
    ->middleware('permission:products.create');
    Route::get('products', 'ProductController@index')->name('products.index')
    ->middleware('permission:products.index');
    Route::get('products/create', 'ProductController@create')-
>name('products.create')
    ->middleware('permission:products.create');
    Route::put('products/{product}', 'ProductController@update')-
>name('products.update')
    ->middleware('permission:products.edit');
    Route::get('products/{product}', 'ProductController@show')-
>name('products.show')
    ->middleware('permission:products.show');
    Route::delete('products/{product}', 'ProductController@destroy')-
>name('products.destroy')
    ->middleware('permission:products.destroy');
    Route::get('products/{product}/edit', 'ProductController@edit')-
>name('products.edit')
```

```
->middleware('permission:products.edit');

// Users
Route::get('users', 'UserController@index')->name('users.index')
->middleware('permission:users.index');
Route::put('users/{user}', 'UserController@update')->name('users.update')
->middleware('permission:users.edit');
Route::get('users/{user}', 'UserController@show')->name('users.show')
->middleware('permission:users.show');
Route::delete('users/{user}', 'UserController@destroy')-
>name('users.destroy')
->middleware('permission:users.destroy');
Route::get('users/{user}/edit', 'UserController@edit')->name('users.edit')
->middleware('permission:users.edit');
});
```

## http/Controllers/RoleController.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Caffeinated\Shinobi\Models\Role;  
use Caffeinated\Shinobi\Models\Permission;  
use Illuminate\Http\Request;
```

```
class RoleController extends Controller  
{
```

```
    public function __construct()  
    {  
        $this->middleware('permission:roles.create')->only(['create', 'store']);  
        $this->middleware('permission:roles.index')->only(['index']);  
        $this->middleware('permission:roles.edit')->only(['edit', 'update']);  
        $this->middleware('permission:roles.show')->only(['show']);  
        $this->middleware('permission:roles.destroy')->only(['destroy']);  
    }
```

```
    public function index()  
    {  
        $roles = Role::paginate();  
        return view('roles.index', compact('roles'));  
    }
```

```
    public function create()  
    {  
        $permissions = Permission::get();  
        return view('roles.create', compact('permissions'));  
    }
```

```
    public function store(Request $request)  
    {  
        $role = Role::create($request->all());  
  
        // Atualizar permissions  
        $role->permissions()->sync($request->get('permissions'));  
  
        return redirect()->route('roles.edit', $role->id)  
            ->with('info', 'Role gravado com sucesso!');  
    }
```

```
    public function show(Role $role)  
    {  
        return view('roles.show', compact('role'));  
    }
```

```
public function edit(Role $role)
{
    $permissions = Permission::get();
    return view('roles.edit', compact('role', 'permissions'));
}

public function update(Request $request, Role $role)
{
    // Atualizar role
    $role->update($request->all());

    // Atualizar permissions
    $role->permissions()->sync($request->get('permissions'));

    return redirect()->route('roles.edit', $role->id)
        ->with('info', 'Role atualizado com sucesso!');
}

public function destroy(Role $role)
{
    $role->delete();
    return back()->with('info', 'Role eliminado com sucesso!');
}
}
```

**resources/views/errors/403.blade.php**

```
<!doctype html>
<html lang="{ app()->getLocale() }">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Erro 403</title>

    <!-- Fonts -->
    <link href="https://fonts.googleapis.com/css?family=Raleway:100,600"
rel="stylesheet" type="text/css">

    <!-- Styles -->
    <style>
      html, body {
        background-color: #fff;
        color: #636b6f;
        font-family: 'Raleway', sans-serif;
        font-weight: 100;
        height: 100vh;
        margin: 0;
      }

      .full-height {
        height: 100vh;
      }

      .flex-center {
        align-items: center;
        display: flex;
        justify-content: center;
      }

      .position-ref {
        position: relative;
      }

      .top-right {
        position: absolute;
        right: 10px;
        top: 18px;
      }

      .content {
        text-align: center;
      }
    </style>
  </head>
  <body>
```

```
.title {
  font-size: 84px;
}

.links > a {
  color: #636b6f;
  padding: 0 25px;
  font-size: 12px;
  font-weight: 600;
  letter-spacing: .1rem;
  text-decoration: none;
  text-transform: uppercase;
}

.m-b-md {
  margin-bottom: 30px;
}
</style>
</head>
<body>
  <div class="flex-center position-ref full-height">

    <div class="content">
      <div class="title m-b-md">
        403 - Ação não autorizada!
      </div>

      <div class="links">
        <a href={{ route('home') }}>Ir para Home</a>
      </div>
    </div>
  </body>
</html>
```



**resources/views/errors/403.blade.php**

```
<!doctype html>
<html lang="{ app()->getLocale() }">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Erro 404</title>

    <!-- Fonts -->
    <link href="https://fonts.googleapis.com/css?family=Raleway:100,600"
rel="stylesheet" type="text/css">

    <!-- Styles -->
    <style>
      html, body {
        background-color: #fff;
        color: #636b6f;
        font-family: 'Raleway', sans-serif;
        font-weight: 100;
        height: 100vh;
        margin: 0;
      }

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.title {
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  letter-spacing: .1rem;
  text-decoration: none;
  text-transform: uppercase;
}

.m-b-md {
  margin-bottom: 30px;
}
</style>
</head>
<body>
  <div class="flex-center position-ref full-height">

    <div class="content">
      <div class="title m-b-md">
        404 - Esta rota não existe!
      </div>

      <div class="links">
        <a href={{ route('home') }}>Ir para Home</a>
      </div>
    </div>
  </body>
</html>
```

Alterar a lista de permissões para supervisor para:

The screenshot shows a web browser window with the URL `laravel-roles.test/roles/4/edit`. The page title is "Laravel" and the user is logged in as "Roberto Pinheiro". The main content area is titled "Role" and contains the following fields:

- Nome:** Supervisor
- URL amigável:** supervisor
- Descrição:** (Empty text area)

Below the role information, there is a section for "Permissão especial" with two radio buttons: "Acesso Total" (selected) and "Nenhum Acesso".

The "Lista de permissions" section contains a list of permissions with checkboxes:

- ☒ Exibir usuários *(Lista e exibe todos os usuários do sistema)*
- ☒ Ver detalhes de usuário *(Ver em detalhes cada usuário do sistema)*
- ☐ Edição de usuários *(Editar qualquer dado de um usuário do sistema)*
- ☐ Eliminar usuário *(Eliminar qualquer usuário do sistema)*
- ☐ Exibir roles *(Lista e exibe todos os roles do sistema)*
- ☐ Ver detalhes de rol *(Ver em detalhes cada role do sistema)*
- ☐ Criação de rol *(Criar role do sistema)*
- ☐ Edição de rol *(Editar qualquer dado de um role do sistema)*
- ☐ Eliminar rol *(Eliminar qualquer role do sistema)*
- ☒ Exibir produtos *(Lista e exibe todos os produtos do sistema)*
- ☒ Ver detalhes de produto *(Ver em detalhes cada produto do sistema)*
- ☐ Criação de produto *(Criar produto do sistema)*
- ☐ Edição de produto *(Editar qualquer dado de um produto do sistema)*
- ☐ Eliminar produto *(Eliminar qualquer produto do sistema)*

A blue "Gravar" button is located at the bottom of the permissions list.

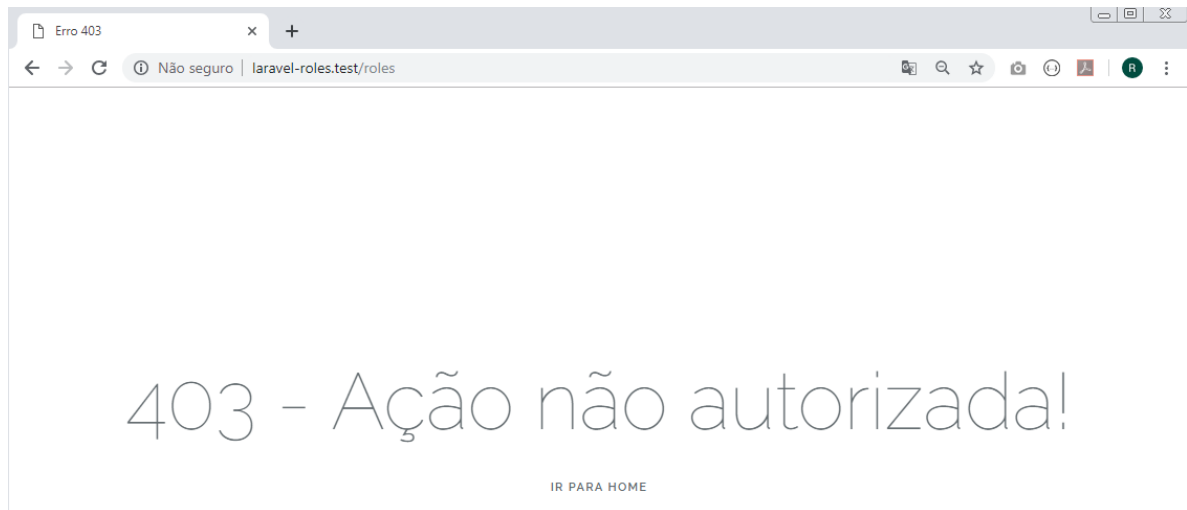
E gravar.

Entrar como usuário supervisor (Italo Morales):

The screenshot shows a web browser window with the URL `laravel-roles.test/home`. The page title is "Laravel" and the user is logged in as "Italo Morales". The main content area is titled "Dashboard" and contains the message "You are logged in!".

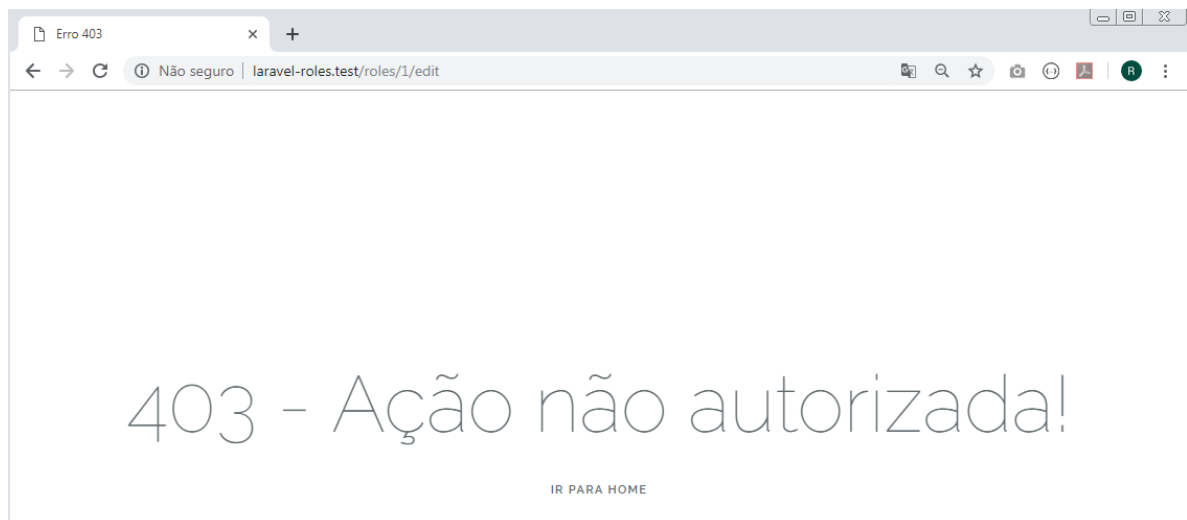
Entre com a URL:

<http://laravel-roles.test/roles>



Entre com a URL:

<http://laravel-roles.test/roles/1/edit>



Entre com a URL:

<http://laravel-roles.test/roles/11/edit>



# 404 - Esta rota não existe!

[IR PARA HOME](#)