# Laravel 5.3

## CODECASTS (Fábio Vedovelli)

https://www.youtube.com/watch?v=25JnwUAH99U&list=PLy5T05I_eQYM4-B6W374JkAuh_wOrs3Pj

Resumo do curso feito por Roberto Pinheiro

# Aula 01 - Introdução

## Framework Laravel

É uma caixa de ferramentas que serve para trabalhar com PHP.

O Laravel permite criar de uma forma muito rápida um CRUD protegido por senha

## O que será visto no curso

- Artisan
- Database
  - Migrations, Factories, Seeds
  - Eloquent, Query Builder e Collections
  - Relationship
- Helpers
- Routes e Middleware

- Requests, Responses e Flash Messages
- Views, Layouts e Assets
- Forms e Validation
- Debug
- Controllers e Repositories
- Cache
- Elixir

# Aula 02 - Criando o projeto

A instalação é feita através de uma ferramenta chamada Composer, que é um gerenciador de dependências para o PHP.

Instale o Composer em seu computador.

Há duas formas de instalar o Laravel:

## Via Laravel Installer

O comando a seguir instala, de forma global, o Laravel no computador.

composer global require laravel/installer

O comando a seguir cria o projeto:

laravel new <nome_projeto>

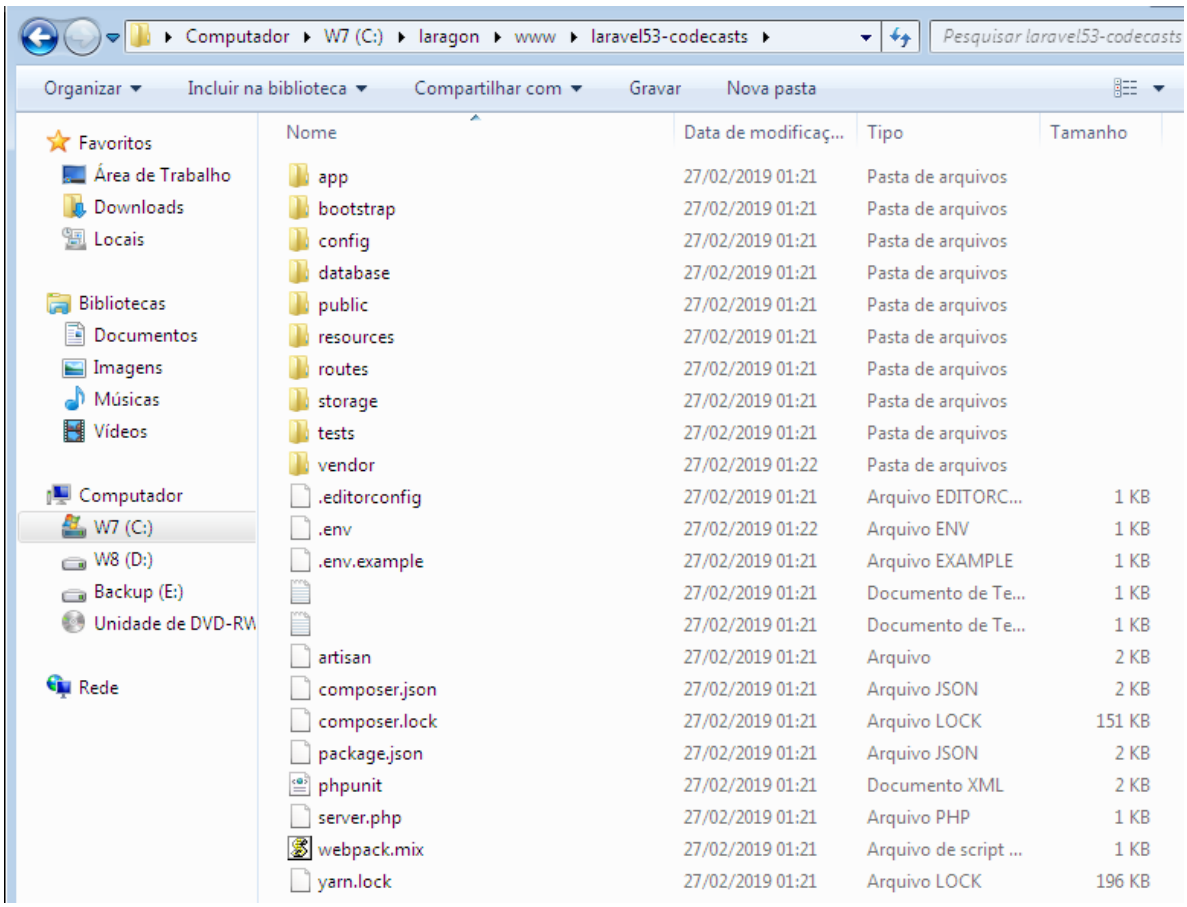
## Via Composer Create-Project

O comando abaixo instala o Laravel e cria o projeto na pasta ativa:

composer create-project --prefer-dist laravel/laravel <nome_projeto>

# Instalação do Laravel e criação do projeto

composer global require laravel/installer
laravel new laravel53-codecasts

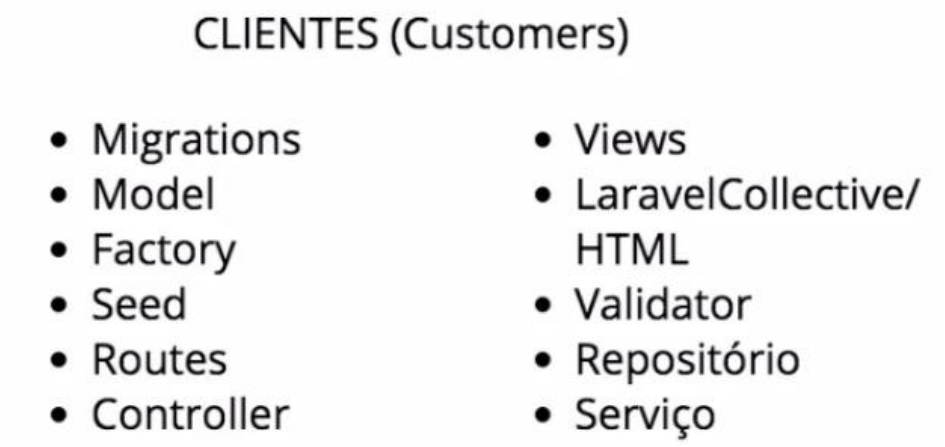


# Aula 05 - Planejamento

Será desenvolvido uma aplicação para controle de clientes e suas compras.

A aplicação precisa de um nome!

O que é necessário criar para que a funcionalidade dos clientes seja completa:



# Aula 06 - Nomear a aplicação

## Iniciando o servidor

php artisan serve

No browser:

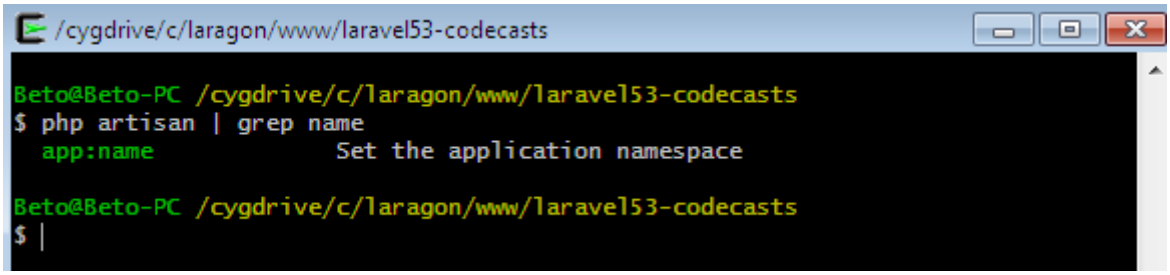
localhost:8000

## Terminal Bash no Windows

Para a permitir que várias versões do Microsoft Windows possam, de certa forma, agir como um sistema Unix você pode experimentar o CygWin, que é uma coleção de ferramentas de software livre originalmente desenvolvidas por **Cygnus Solutions**. Sua principal intenção é portar softwares que rodam em sistemas **POSIX** (como sistemas Linux, sistemas **BSD**, e sistemas Unix) para que rodem em Windows com pouco mais do que uma recompilação. O Cygwin é atualmente mantido por funcionários da Red Hat e outras pessoas.

## Usando o Bash para filtrar comandos do artisan

php artisan | grep name




php artisan | grep make

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan | grep make
 make
  make:auth            Scaffold basic login and registration views and routes
  make:channel         Create a new channel class
  make:command         Create a new Artisan command
  make:controller      Create a new controller class
  make:event           Create a new event class
  make:exception       Create a new custom exception class
  make:factory         Create a new model factory
  make:job             Create a new job class
  make:listener        Create a new event listener class
  make:mail            Create a new email class
  make:middleware      Create a new middleware class
  make:migration       Create a new migration file
  make:model           Create a new Eloquent model class
  make:notification    Create a new notification class
  make:observer        Create a new observer class
  make:policy          Create a new policy class
  make:provider        Create a new service provider class
  make:request         Create a new form request class
  make:resource        Create a new resource
  make:rule            Create a new validation rule
  make:seeder          Create a new seeder class
  make:test            Create a new test class

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

# Aula 07 - Migrations - Overview

## Criando o banco de dados

Acesse o phpmyadmin e crie o banco de dados com o nome laravel53-codecasts

## Configurando o acesso ao banco de dados

**Arquivo .env**

DB_CONNECTION=mysql
DB_HOST=localhost
DB_PORT=3306
DB_DATABASE=laravel53-codecasts
DB_USERNAME=root
DB_PASSWORD=

## Migrations padrões

O Laravel já vem com duas migrations padrões:

2014_10_12_000000_create_users_table.php
2014_10_12_100000_create_password_resets_table.php

**database/migrations/2014_10_12_000000_create_users_table.php**

```
<?php

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

class CreateUsersTable extends Migration
{
   /**
    * Run the migrations.
    *
    * @return void
    */
   public function up()
   {
      Schema::create('users', function (Blueprint $table) {
         $table->bigIncrements('id');
         $table->string('name');
         $table->string('email')->unique();
         $table->timestamp('email_verified_at')->nullable();
         $table->string('password');
         $table->rememberToken();
         $table->timestamps();
      });
   }

   /**
    * Reverse the migrations.
    *
    * @return void
    */
   public function down()
   {
      Schema::dropIfExists('users');
   }
}
```

## Criando as tabelas

Para criar as tabelas:

php artisan migrate

```
>> php artisan migrate
Migration table created successfully.
Migrated: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_100000_create_password_resets_table
```

## Apagando as tabelas

Para voltar atrás e remover as tabelas:

php artisan migrate:rollback

```
/Users/vedovelli/Codecasts/basico
>> php artisan migrate:rollback
Rolled back: 2014_10_12_100000_create_password_resets_table
Rolled back: 2014_10_12_000000_create_users_table
```

# Tipos de campos - Schema

A classe schema contém uma variedade de tipos de campos que podem ser especificados na construção das tabelas:

| Command | Description |
|---|---|
| $table->bigIncrements('id'); | Auto-incrementing UNSIGNED BIGINT (primary key) equivalent column. |
| $table->bigInteger('votes'); | BIGINT equivalent column. |
| $table->binary('data'); | BLOB equivalent column. |
| $table->boolean('confirmed'); | BOOLEAN equivalent column. |
| $table->char('name', 100); | CHAR equivalent column with an optional length. |
| $table->date('created_at'); | DATE equivalent column. |
| $table->dateTime('created_at'); | DATETIME equivalent column. |
| $table->dateTimeTz('created_at'); | DATETIME (with timezone) equivalent column. |
| $table->decimal('amount', 8, 2); | DECIMAL equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->double('amount', 8, 2); | DOUBLE equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->enum('level', ['easy', 'hard']); | ENUM equivalent column. |
| $table->float('amount', 8, 2); | FLOAT equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->geometry('positions'); | GEOMETRY equivalent column. |
| $table->geometryCollection('positions'); | GEOMETRYCOLLECTION equivalent column. |
| $table->increments('id'); | Auto-incrementing UNSIGNED INTEGER (primary key) equivalent column. |
| $table->integer('votes'); | INTEGER equivalent column. |
| $table->ipAddress('visitor'); | IP address equivalent column. |
| $table->json('options'); | JSON equivalent column. |

| Command | Description |
| --- | --- |
| $table->jsonb('options'); | JSONB equivalent column. |
| $table->lineString('positions'); | LINESTRING equivalent column. |
| $table->longText('description'); | LONGTEXT equivalent column. |
| $table->macAddress('device'); | MAC address equivalent column. |
| $table->mediumIncrements('id'); | Auto-incrementing UNSIGNED MEDIUMINT (primary key) equivalent column. |
| $table->mediumInteger('votes'); | MEDIUMINT equivalent column. |
| $table->mediumText('description'); | MEDIUMTEXT equivalent column. |
| $table->morphs('taggable'); | Adds taggable_id UNSIGNED BIGINT and taggable_type VARCHAR equivalent columns. |
| $table->multiLineString('positions'); | MULTILINESTRING equivalent column. |
| $table->multiPoint('positions'); | MULTIPOINT equivalent column. |
| $table->multiPolygon('positions'); | MULTIPOLYGON equivalent column. |
| $table->nullableMorphs('taggable'); | Adds nullable versions of morphs() columns. |
| $table->nullableTimestamps(); | Alias of timestamps() method. |
| $table->point('position'); | POINT equivalent column. |
| $table->polygon('positions'); | POLYGON equivalent column. |
| $table->rememberToken(); | Adds a nullable remember_tokenVARCHAR(100) equivalent column. |
| $table->smallIncrements('id'); | Auto-incrementing UNSIGNED SMALLINT (primary key) equivalent column. |
| $table->smallInteger('votes'); | SMALLINT equivalent column. |
| $table->softDeletes(); | Adds a nullable deleted_at TIMESTAMP equivalent column for soft deletes. |
| $table->softDeletesTz(); | Adds a nullable deleted_at TIMESTAMP (with timezone) equivalent column for soft deletes. |
| $table->string('name', 100); | VARCHAR equivalent column with a optional length. |

| Command | Description |
| --- | --- |
| $table->text('description'); | TEXT equivalent column. |
| $table->time('sunrise'); | TIME equivalent column. |
| $table->timeTz('sunrise'); | TIME (with timezone) equivalent column. |
| $table->timestamp('added_on'); | TIMESTAMP equivalent column. |
| $table->timestampTz('added_on'); | TIMESTAMP (with timezone) equivalent column. |
| $table->timestamps(); | Adds nullable created_at and updated_atTIMESTAMP equivalent columns. |
| $table->timestampsTz(); | Adds nullable created_at and updated_atTIMESTAMP (with timezone) equivalent columns. |
| $table->tinyIncrements('id'); | Auto-incrementing UNSIGNED TINYINT (primary key) equivalent column. |
| $table->tinyInteger('votes'); | TINYINT equivalent column. |
| $table->unsignedBigInteger('votes'); | UNSIGNED BIGINT equivalent column. |
| $table->unsignedDecimal('amount', 8, 2); | UNSIGNED DECIMAL equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->unsignedInteger('votes'); | UNSIGNED INTEGER equivalent column. |
| $table->unsignedMediumInteger('votes'); | UNSIGNED MEDIUMINT equivalent column. |
| $table->unsignedSmallInteger('votes'); | UNSIGNED SMALLINT equivalent column. |
| $table->unsignedTinyInteger('votes'); | UNSIGNED TINYINT equivalent column. |
| $table->uuid('id'); | UUID equivalent column. |
| $table->year('birth_year'); | YEAR equivalent column. |

# Aula 08 - Migrations específicas

## Filtrando os comandos migrate

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan | grep migrate
  migrate             Run the database migrations
 migrate
  migrate:fresh       Drop all tables and re-run all migrations
  migrate:install     Create the migration repository
  migrate:refresh     Reset and re-run all migrations
  migrate:reset       Rollback all database migrations
  migrate:rollback    Rollback the last database migration
  migrate:status      Show the status of each migration
```

## Criando as migrations

php artisan make:migration create_customers_table --create=customers

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan make:migration create_customers_table --create=customers
Created Migration: 2019_02_27_211109_create_customers_table

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

php artisan make:migration create_purchases_table --create=purchases

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan make:migration create_purchases_table --create=purchases
Created Migration: 2019_02_27_212327_create_purchases_table

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

**database/migrations/2019_02_27_211109_create_customers_table.php**

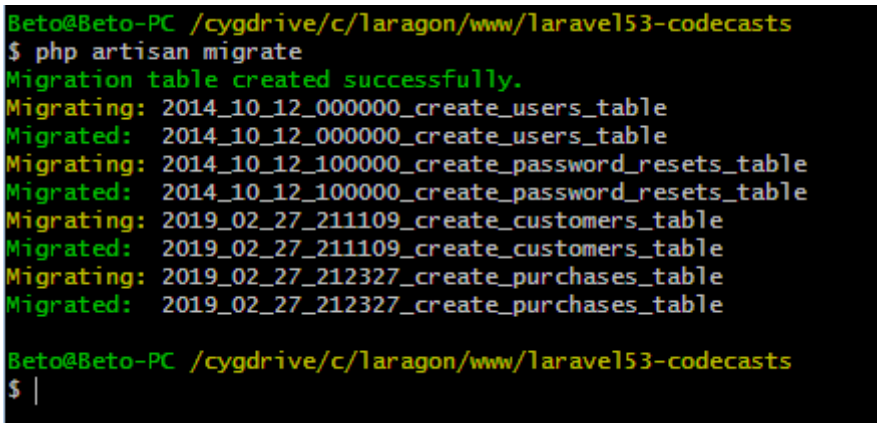
```
<?php

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

class CreateCustomersTable extends Migration
{
    public function up()
    {
        Schema::create('customers', function (Blueprint $table) {
            $table->increments('id');
            $table->string('name', 150);
            $table->string('city', 50);
            $table->string('state', 2);
            $table->datetime('birthdate');
            $table->boolean('special_customer');
            $table->timestamps();
        });
    }

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

**database/migrations/2019_02_27_212327_create_purchases_table.php**

```
<?php

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

class CreatePurchasesTable extends Migration
{
    public function up()
    {
        Schema::create('purchases', function (Blueprint $table) {
            $table->increments('id');
            $table->integer('customer_id')->unsigned();
            $table->string('amount', 10);
            $table->string('description');
            $table->timestamps();
        });
    }

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

## Criando as tabelas

php artisan migrate



# Aula 09 - Model Factories

## Criando as models

php make:model Customer

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan make:model Customer
Model created successfully.

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

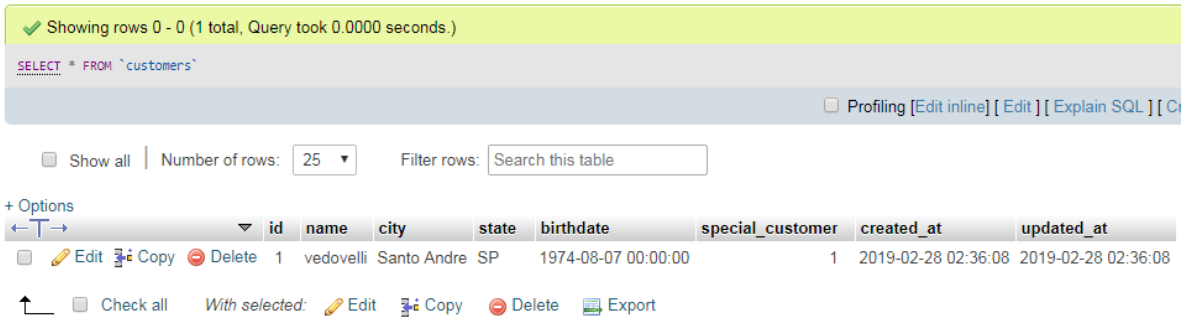
php make:model Purchase

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan make:model Purchase
Model created successfully.

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

## Inserindo um registro com o tinker

php artisan tinker

```
Prompt de Comando - php  artisan tinker

C:\laragon\www\laravel53-codecasts>php artisan tinker
Psy Shell v0.9.9 (PHP 7.3.1 ÔÇö cli) by Justin Hileman
>>> $c = new \App\Customer;
=> App\Customer {#2921}
>>> $c->name = 'vedovelli';
=> "vedovelli"
>>> $c->city = 'Santo Andre';
=> "Santo Andre"
>>> $c->state='SP';
=> "SP"
>>> $c->special_customer = true;
=> true
>>> $c->birthdate = '1974-08-07 00:00:00';
=> "1974-08-07 00:00:00"
>>> $c->save();
=> true
>>>
```




# Criando uma factory

php artisan make:factory CustomerFactory

# Usando a factory para criar registros aleatórios

**database/Factory/CustomerFactory.php**

```
<?php

use Faker\Generator as Faker;

$factory->define(App\Customer::class, function (Faker $faker) {
    return [
        'name' => $faker->name,
        'city' => $faker->city,
        'state' => $faker->stateAbbr,
        'birthdate' => $faker->datetime(),
        'special_customer' => $faker->boolean
    ];
});
```

No terminal:

```
factory(App\Customer::class, 50)->create();
```

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan tinker
Psy Shell v0.9.9 (PHP 7.3.1 - cli) by Justin Hileman
factory(App\Customer::class, 50)->create();
=> Illuminate\Database\Eloquent\Collection {#2948
     all: [
       App\Customer {#2944
         name: "Orville Klocko II",
         city: "Krajcikport",
         state: "NM",
         birthdate: DateTime @592338941 {#2942
           date: 1988-10-08 18:35:41.0 UTC (+00:00),
         },
         special_customer: true,
         updated_at: "2019-02-28 04:08:35",
         created_at: "2019-02-28 04:08:35",
         id: 2,
       },
       App\Customer {#2940
         name: "Geovany Mann",
         city: "Tillmanview",
         state: "UT",
         birthdate: DateTime @1295895589 {#2939
           date: 2011-01-24 18:59:49.0 UTC (+00:00),
         },
         special_customer: true,
         updated_at: "2019-02-28 04:08:35",
         created_at: "2019-02-28 04:08:35",
         id: 3,
       },
       App\Customer {#2941
         name: "Elissa Reilly",
         city: "Lake Everettberg",
         state: "TN",
         birthdate: DateTime @1318948427 {#2943
           date: 2011-10-18 14:33:47.0 UTC (+00:00),
         },
         special_customer: false,
         updated_at: "2019-02-28 04:08:35",
         created_at: "2019-02-28 04:08:35",
         id: 4,
       },
       App\Customer {#2945
         name: "Prof. Madelynn McClure III",
         city: "Skilesland",
         state: "MN",
         birthdate: DateTime @1425004376 {#2947
           date: 2015-02-27 02:32:56.0 UTC (+00:00),
         },
```

Showing rows 0 - 24 (51 total, Query took 0.0030 seconds.)

```
SELECT * FROM `customers`
```

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

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

+ Options

| | id | name | city | state | birthdate | special_customer | created_at | updated_at |
|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | vedovelli | Santo Andre | SP | 1974-08-07 00:00:00 | 1 | 2019-02-28 00:52:07 | 2019-02-28 00:52:07 |
| Edit Copy Delete | 2 | Orville Klocko II | Krajcikport | NM | 1988-10-08 18:35:41 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 3 | Geovany Mann | Tillmanview | UT | 2011-01-24 18:59:49 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 4 | Elissa Reilly | Lake Everettberg | TN | 2011-10-18 14:33:47 | 0 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 5 | Prof. Madelynn McClure III | Skilesland | MN | 2015-02-27 02:32:56 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 6 | Prof. Bailee McLaughlin | Dibbertport | KY | 1970-10-31 22:28:44 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 7 | Mrs. Lorine Hill | Lake Josueton | NM | 1970-10-12 21:11:49 | 0 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 8 | Leonor Schmitt | East Christyside | VA | 1976-08-08 21:01:01 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 9 | Salvatore Little | Litteltown | LA | 1989-08-04 00:34:28 | 0 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 10 | Terrance Green MD | Cletuston | OK | 1993-08-07 10:13:41 | 0 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 11 | Tony Dibbert | West Gussiestad | NY | 2010-09-27 08:17:29 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 12 | Emery Barton | Turnerside | FL | 2010-09-20 23:27:26 | 0 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 13 | Grayce Grant | Keelingberg | CA | 2009-10-18 23:42:49 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |
| Edit Copy Delete | 14 | Bria Braun I | Mollyfurt | DC | 2001-06-12 15:35:49 | 1 | 2019-02-28 04:08:35 | 2019-02-28 04:08:35 |

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan make:factory PurchaseFactory
Factory created successfully.

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

Acesse a URL:
https://github.com/fzaninotto/Faker

# Formatters

Each of the generator properties (like `name`, `address`, and `lorem`) are called "formatters". A faker generator has many of them, packaged in "providers". Here is a list of the bundled formatters in the default locale.

**Faker\Provider\Base**

```
randomDigit             // 7
randomDigitNotNull      // 5
randomNumber($nbDigits = NULL, $strict = false) // 79907610
randomFloat($nbMaxDecimals = NULL, $min = 0, $max = NULL) // 48.8932
numberBetween($min = 1000, $max = 9000) // 8567
randomLetter            // 'b'

// returns randomly ordered subsequence of a provided array

randomElements($array = array ('a','b','c'), $count = 1) // array('c')
randomElement($array = array ('a','b','c')) // 'b'
shuffle('hello, world') // 'rlo,h eoldlw'
shuffle(array(1, 2, 3)) // array(2, 1, 3)
numerify('Hello ###') // 'Hello 609'
lexify('Hello ???') // 'Hello wgt'
bothify('Hello ##??') // 'Hello 42jz'
asciify('Hello ***') // 'Hello R6+'
regexify('[A-Z0-9._%+-]+@[A-Z0-9.-]+\.[A-Z]{2,4}'); // sm0@y8k96a.ej
```

**Faker\Provider\Lorem**

```
word                                                // 'aut'
words($nb = 3, $asText = false)                     // array('porro', 'sed', 'magni')
sentence($nbWords = 6, $variableNbWords = true)  // 'Sit vitae voluptas sint non
voluptates.'
sentences($nb = 3, $asText = false)                 // array('Optio quos qui illo
error.', 'Laborum vero a officia id corporis.', 'Saepe provident esse hic
eligendi.')
paragraph($nbSentences = 3, $variableNbSentences = true) // 'Ut ab voluptas sed a
nam. Sint autem inventore aut officia aut aut blanditiis. Ducimus eos odit amet et
est ut eum.'
```

```
paragraphs($nb = 3, $asText = false)             // array('Quidem ut sunt et
quidem est accusamus aut. Fuga est placeat rerum ut. Enim ex eveniet facere
sunt.', 'Aut nam et eum architecto fugit repellendus illo. Qui ex esse
veritatis.', 'Possimus omnis aut incidunt sunt. Asperiores incidunt iure sequi cum
culpa rem. Rerum exercitationem est rem.')
text($maxNbChars = 200)                          // 'Fuga totam reiciendis qui
architecto fugiat nemo. Consequatur recusandae qui cupiditate eos quod.'
```

**Faker\Provider\en_US\Person**

```
title($gender = null|'male'|'female')     // 'Ms.'
titleMale                                 // 'Mr.'
titleFemale                               // 'Ms.'
suffix                                    // 'Jr.'
name($gender = null|'male'|'female')      // 'Dr. Zane Stroman'
firstName($gender = null|'male'|'female') // 'Maynard'
firstNameMale                             // 'Maynard'
firstNameFemale                           // 'Rachel'
lastName                                  // 'Zulauf'
```

**Faker\Provider\en_US\Address**

```
cityPrefix                          // 'Lake'
secondaryAddress                    // 'Suite 961'
state                               // 'NewMexico'
stateAbbr                           // 'OH'
citySuffix                          // 'borough'
streetSuffix                        // 'Keys'
buildingNumber                      // '484'
city                                // 'West Judge'
streetName                          // 'Keegan Trail'
streetAddress                       // '439 Karley Loaf Suite 897'
postcode                            // '17916'
address                             // '8888 Cummings Vista Apt. 101, Susanbury,
NY 95473'
country                             // 'Falkland Islands (Malvinas)'
latitude($min = -90, $max = 90)     // 77.147489
longitude($min = -180, $max = 180)  // 86.211205
```

**Faker\Provider\en_US\PhoneNumber**

```
phoneNumber             // '201-886-0269 x3767'
tollFreePhoneNumber     // '(888) 937-7238'
e164PhoneNumber     // '+27113456789'
```

**Faker\Provider\en_US\Company**

```
catchPhrase             // 'Monitored regional contingency'
bs                      // 'e-enable robust architectures'
company                 // 'Bogan-Treutel'
companySuffix           // 'and Sons'
jobTitle                // 'Cashier'
```

**Faker\Provider\en_US\Text**

```
realText($maxNbChars = 200, $indexSize = 2) // "And yet I wish you could manage
it?) 'And what are they made of?' Alice asked in a shrill, passionate voice.
'Would YOU like cats if you were never even spoke to Time!' 'Perhaps not,' Alice
replied."
```

**Faker\Provider\DateTime**

```
unixTime($max = 'now')                 // 58781813
dateTime($max = 'now', $timezone = null) // DateTime('2008-04-25 08:37:17', 'UTC')
dateTimeAD($max = 'now', $timezone = null) // DateTime('1800-04-29 20:38:49',
'Europe/Paris')
iso8601($max = 'now')                  // '1978-12-09T10:10:29+0000'
date($format = 'Y-m-d', $max = 'now') // '1979-06-09'
time($format = 'H:i:s', $max = 'now') // '20:49:42'
dateTimeBetween($startDate = '-30 years', $endDate = 'now', $timezone = null) //
DateTime('2003-03-15 02:00:49', 'Africa/Lagos')
dateTimeInInterval($startDate = '-30 years', $interval = '+ 5 days', $timezone =
null) // DateTime('2003-03-15 02:00:49', 'Antartica/Vostok')
dateTimeThisCentury($max = 'now', $timezone = null)     // DateTime('1915-05-30
19:28:21', 'UTC')
dateTimeThisDecade($max = 'now', $timezone = null)      // DateTime('2007-05-29
22:30:48', 'Europe/Paris')
dateTimeThisYear($max = 'now', $timezone = null)        // DateTime('2011-02-27
20:52:14', 'Africa/Lagos')
dateTimeThisMonth($max = 'now', $timezone = null)       // DateTime('2011-10-23
13:46:23', 'Antarctica/Vostok')
amPm($max = 'now')                     // 'pm'
dayOfMonth($max = 'now')               // '04'
dayOfWeek($max = 'now')                // 'Friday'
month($max = 'now')                    // '06'
monthName($max = 'now')                // 'January'
year($max = 'now')                     // '1993'
century                                // 'VI'
timezone                               // 'Europe/Paris'
```

Methods accepting a `$timezone` argument default to `date_default_timezone_get()`. You can pass a custom timezone string to each method, or define a custom timezone for all time methods at once using `$faker::setDefaultTimezone($timezone)`.

**Faker\Provider\Internet**

```
email                    // 'tkshlerin@collins.com'
safeEmail                // 'king.alford@example.org'
freeEmail                // 'bradley72@gmail.com'
companyEmail             // 'russel.durward@mcdermott.org'
freeEmailDomain          // 'yahoo.com'
safeEmailDomain          // 'example.org'
userName                 // 'wade55'
password                 // 'k&|X+a45*2['
domainName               // 'wolffdeckow.net'
domainWord               // 'feeney'
tld                      // 'biz'
url                      // 'http://www.skilesdonnelly.biz/aut-accusantium-ut-
architecto-sit-et.html'
slug                     // 'aut-repellat-commodi-vel-itaque-nihil-id-saepe-
nostrum'
ipv4                     // '109.133.32.252'
localIpv4                // '10.242.58.8'
ipv6                     // '8e65:933d:22ee:a232:f1c1:2741:1f10:117c'
macAddress               // '43:85:B7:08:10:CA'
```

**Faker\Provider\UserAgent**

```
userAgent              // 'Mozilla/5.0 (Windows CE) AppleWebKit/5350 (KHTML, like
Gecko) Chrome/13.0.888.0 Safari/5350'
chrome                 // 'Mozilla/5.0 (Macintosh; PPC Mac OS X 10_6_5)
AppleWebKit/5312 (KHTML, like Gecko) Chrome/14.0.894.0 Safari/5312'
firefox                // 'Mozilla/5.0 (X11; Linuxi686; rv:7.0) Gecko/20101231
Firefox/3.6'
safari                 // 'Mozilla/5.0 (Macintosh; U; PPC Mac OS X 10_7_1 rv:3.0;
en-US) AppleWebKit/534.11.3 (KHTML, like Gecko) Version/4.0 Safari/534.11.3'
opera                  // 'Opera/8.25 (Windows NT 5.1; en-US) Presto/2.9.188
Version/10.00'
internetExplorer       // 'Mozilla/5.0 (compatible; MSIE 7.0; Windows 98; Win 9x
4.90; Trident/3.0)'
```

**Faker\Provider\Payment**

```
creditCardType          // 'MasterCard'
creditCardNumber        // '4485480221084675'
creditCardExpirationDate // 04/13
creditCardExpirationDateString // '04/13'
creditCardDetails       // array('MasterCard', '4485480221084675', 'Aleksander
Nowak', '04/13')
// Generates a random IBAN. Set $countryCode to null for a random country
iban($countryCode)      // 'IT31A8497112740YZ575DJ28BP4'
swiftBicNumber          // 'RZTIAT22263'
```

**Faker\Provider\Color**

```
hexcolor               // '#fa3cc2'
rgbcolor               // '0,255,122'
rgbColorAsArray        // array(0,255,122)
rgbCssColor            // 'rgb(0,255,122)'
safeColorName          // 'fuchsia'
colorName              // 'Gainsbor'
```

**Faker\Provider\File**

```
fileExtension          // 'avi'
mimeType               // 'video/x-msvideo'
// Copy a random file from the source to the target directory and returns the
fullpath or filename
file($sourceDir = '/tmp', $targetDir = '/tmp') //
'/path/to/targetDir/13b73edae8443990be1aa8f1a483bc27.jpg'
file($sourceDir, $targetDir, false) // '13b73edae8443990be1aa8f1a483bc27.jpg'
```

**Faker\Provider\Image**

```
// Image generation provided by LoremPixel (http://lorempixel.com/)
imageUrl($width = 640, $height = 480) // 'http://lorempixel.com/640/480/'
imageUrl($width, $height, 'cats')     // 'http://lorempixel.com/800/600/cats/'
imageUrl($width, $height, 'cats', true, 'Faker') //
'http://lorempixel.com/800/400/cats/Faker'
imageUrl($width, $height, 'cats', true, 'Faker', true) //
'http://lorempixel.com/grey/800/400/cats/Faker/' Monochrome image
image($dir = '/tmp', $width = 640, $height = 480) //
'/tmp/13b73edae8443990be1aa8f1a483bc27.jpg'
image($dir, $width, $height, 'cats')  //
'tmp/13b73edae8443990be1aa8f1a483bc27.jpg' it's a cat!
image($dir, $width, $height, 'cats', false) //
'13b73edae8443990be1aa8f1a483bc27.jpg' it's a filename without path
image($dir, $width, $height, 'cats', true, false) // it's a no randomize images
(default: `true`)
image($dir, $width, $height, 'cats', true, true, 'Faker') //
'tmp/13b73edae8443990be1aa8f1a483bc27.jpg' it's a cat with 'Faker' text. Default,
`null`.
```

**Faker\Provider\Uuid**

```
uuid                    // '7e57d004-2b97-0e7a-b45f-5387367791cd'
```

**Faker\Provider\Barcode**

```
ean13          // '4006381333931'
ean8           // '73513537'
isbn13         // '9790404436093'
isbn10         // '4881416324'
```

**Faker\Provider\Miscellaneous**

```
boolean // false
boolean($chanceOfGettingTrue = 50) // true
md5            // 'de99a620c50f2990e87144735cd357e7'
sha1           // 'f08e7f04ca1a413807ebc47551a40a20a0b4de5c'
sha256         //
'0061e4c60dac5c1d82db0135a42e00c89ae3a333e7c26485321f24348c7e98a5'
locale         // en_UK
countryCode    // UK
languageCode   // en
currencyCode   // EUR
emoji          // 
```

**Faker\Provider\Biased**

```
// get a random number between 10 and 20,
// with more chances to be close to 20
biasedNumberBetween($min = 10, $max = 20, $function = 'sqrt')
```

**Faker\Provider\HtmlLorem**

```
//Generate HTML document which is no more than 2 levels deep, and no more than 3
elements wide at any level.
randomHtml(2,3)   // <html><head><title>Aut illo dolorem et accusantium
eum.</title></head><body><form action="example.co
```

# Modifiers

Faker provides three special providers, `unique()`, `optional()`, and `valid()`, to be called before any provider.

```
// unique() forces providers to return unique values

$values = array();
for ($i=0; $i < 10; $i++) {
  // get a random digit, but always a new one, to avoid duplicates
  $values []= $faker->unique()->randomDigit;
}
print_r($values); // [4, 1, 8, 5, 0, 2, 6, 9, 7, 3]

// providers with a limited range will throw an exception when no new unique value
can be generated

$values = array();
try {
  for ($i=0; $i < 10; $i++) {
    $values []= $faker->unique()->randomDigitNotNull;
  }
} catch (\OverflowException $e) {
  echo "There are only 9 unique digits not null, Faker can't generate 10 of
them!";
}

// you can reset the unique modifier for all providers by passing true as first
argument

$faker->unique($reset = true)->randomDigitNotNull; // will not throw
OverflowException since unique() was reset

// tip: unique() keeps one array of values per provider

// optional() sometimes bypasses the provider to return a default value instead
(which defaults to NULL)

$values = array();
for ($i=0; $i < 10; $i++) {
  // get a random digit, but also null sometimes
  $values []= $faker->optional()->randomDigit;
}
print_r($values); // [1, 4, null, 9, 5, null, null, 4, 6, null]

// optional() accepts a weight argument to specify the probability of receiving
the default value.

// 0 will always return the default value; 1 will always return the provider.
Default weight is 0.5 (50% chance).

$faker->optional($weight = 0.1)->randomDigit; // 90% chance of NULL
$faker->optional($weight = 0.9)->randomDigit; // 10% chance of NULL

// optional() accepts a default argument to specify the default value to return.
```

```php
// Defaults to NULL.

$faker->optional($weight = 0.5, $default = false)->randomDigit; // 50% chance of
FALSE
$faker->optional($weight = 0.9, $default = 'abc')->word; // 10% chance of 'abc'

// valid() only accepts valid values according to the passed validator functions
$values = array();
$evenValidator = function($digit) {
        return $digit % 2 === 0;
};
for ($i=0; $i < 10; $i++) {
        $values []= $faker->valid($evenValidator)->randomDigit;
}
print_r($values); // [0, 4, 8, 4, 2, 6, 0, 8, 8, 6]

// just like unique(), valid() throws an overflow exception when it can't generate
a valid value

$values = array();
try {
  $faker->valid($evenValidator)->randomElement(1, 3, 5, 7, 9);
} catch (\OverflowException $e) {
  echo "Can't pick an even number in that set!";
}
```

If you would like to use a modifier with a value not generated by Faker, use the `passthrough()` method. `passthrough()` simply returns whatever value it was given.

```php
$faker->optional()->passthrough(mt_rand(5, 15));
```

# Aula 10 - Seeders

## Filtrando os comandos seed com grep

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan | grep seed
  db:seed               Seed the database with records
  make:seeder           Create a new seeder class

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

## Criando factory e seeder para a tabela Customer

**database/Factory/CustomerFactory.php**

```
<?php

use Faker\Generator as Faker;

$factory->define(App\Customer::class, function (Faker $faker) {
    return [
        'name' => $faker->name,
        'city' => $faker->city,
        'state' => $faker->stateAbbr,
        'birthdate' => $faker->datetime(),
        'special_customer' => $faker->boolean
    ];
});
```

php artisan make:seeder CustomersSeeder

```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan make:seeder CustomersSeeder
Seeder created successfully.

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

**database/seeds/CustomersSeeder.php**

```
<?php

use Illuminate\Database\Seeder;
use App\Customer;

class CustomersSeeder extends Seeder
{
   public function run()
   {
         Customer::truncate();
         factory(App\Customer::class, 50)->create();
   }
}
```

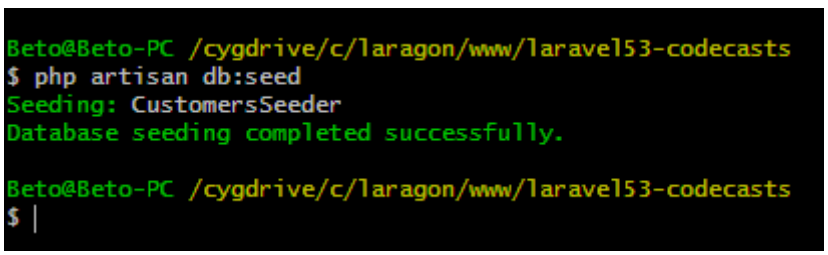
**database/seeds/DatabaseSeeder.php**

```
<?php

use Illuminate\Database\Seeder;

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

## Populando a tabela Customer

No terminal execute o seguinte comando:

php artisan db:seed



Showing rows 0 - 24 (50 total, Query took 0.0030 seconds.)

```
SELECT * FROM `customers`
```

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

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

+ Options

| | id | name | city | state | birthdate | special_customer | created_at | updated_at |
|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | Lysanne Wehner | North Elliottmouth | WI | 2014-03-27 21:06:01 | 1 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 2 | Dayna Gaylord | Delphabury | MI | 1994-01-25 14:25:10 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 3 | Prof. Daphne Lang V | East Genevievefurt | OK | 1998-05-27 13:06:32 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 4 | Beaulah Torphy | North Felicitaborough | IN | 1998-05-06 19:39:52 | 1 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 5 | Carey Abbott | Esmeraldaville | MO | 2002-08-03 17:03:25 | 1 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 6 | Meghan Willms | North Masonview | ND | 1975-04-20 02:49:57 | 1 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 7 | Genoveva Lebsack Jr. | New Rubieberg | IL | 1999-03-01 13:54:44 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 8 | Prof. Enola Walker | Rowetown | IL | 1989-06-17 03:01:49 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 9 | Santina Stehr | South Stella | WY | 2006-02-13 03:09:38 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 10 | Bridget Rau DDS | Pollichborough | KS | 1990-08-13 15:39:00 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 11 | Ms. Kaya Donnelly | West Paxtonbury | ME | 1999-03-11 12:15:32 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 12 | Viva Erdman | Port Jaida | HI | 1975-06-16 01:34:22 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 13 | Toni Halvorson | New Diamond | LA | 2018-04-03 01:08:54 | 0 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |
| Edit Copy Delete | 14 | Terence Lind PhD | New Alanis | MA | 2006-01-11 22:43:42 | 1 | 2019-02-28 11:36:48 | 2019-02-28 11:36:48 |

# Criando factory e seeder para a tabela de usuários

php artisan make:seeder UsersSeeder

**database/seeds/UsersSeeder.php**

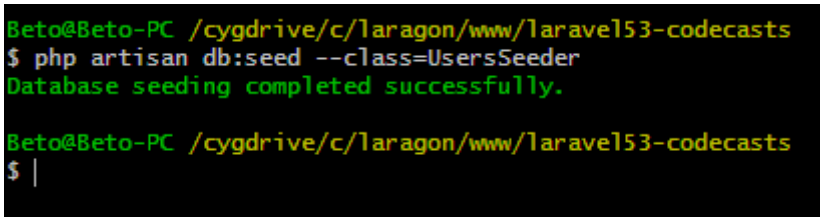
```
<?php

use Illuminate\Database\Seeder;
use App\User;

class UsersSeeder extends Seeder
{
   public function run()
   {

      User::truncate();

      $user = new User();
      $user->name = 'Fabio Vedovelli';
      $user->email = 'vedovelli@gmail.com';
      $user->password = bcrypt(123456);
      $user->email_verified_at = now();
      $user->save();

      factory(App\User::class, 50)->create();
   }
}
```

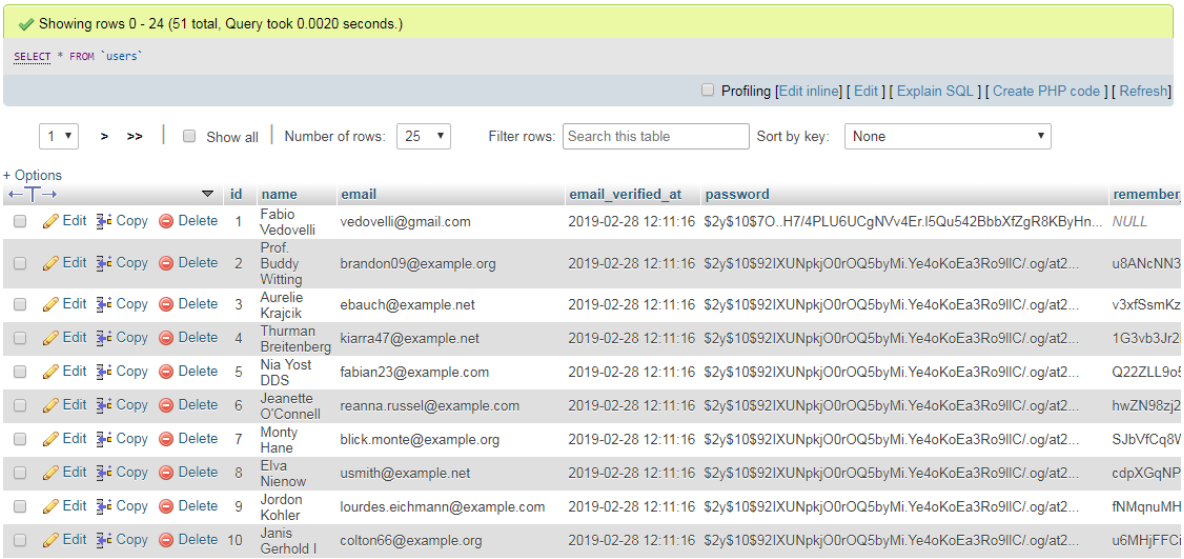
**database/seeds/DatabaseSeeder.php**

```
<?php

use Illuminate\Database\Seeder;

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

## Populando apenas a tabela de usuários

php artisan db:seed --class=UsersSeeder



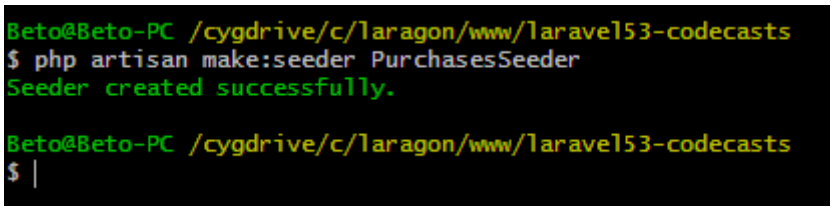



# Criando o factory e o seeder para a tabela de compras

**database/Factory/PurchaseFactory.php**

```
<?php

use Faker\Generator as Faker;
use App\Customer;

$factory->define(App\Purchase::class, function (Faker $faker) {
   return [
         'customer_id' => $faker->numberBetween($min = 1, $max = 50),
         'amount' => $faker->randomFloat(2, 1, 400),
         'description' => $faker->sentence(),
   ];
});
```

php artisan make:seeder PurchasesSeeder



**database/seeds/DatabaseSeeder.php**

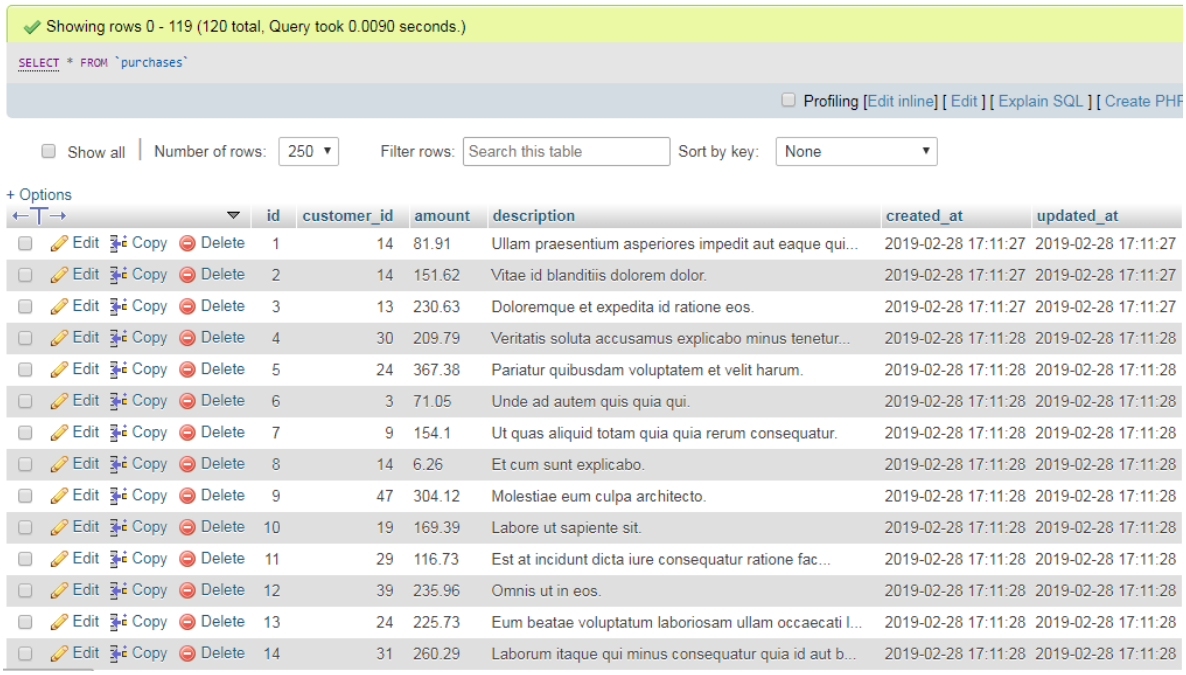
```
<?php

use Illuminate\Database\Seeder;

class DatabaseSeeder extends Seeder
{
   public function run()
   {

      $this->call(PurchasesSeeder::class);
      $this->call(UsersSeeder::class);
      $this->call(CustomersSeeder::class);
   }
}
```

**database/seeds/PurchasesSeeder.php**

```
<?php

use Illuminate\Database\Seeder;
use App\Purchase;

class PurchasesSeeder extends Seeder
{
   public function run()
   {
         Purchase::truncate();
         factory(App\Purchase::class, 120)->create();
   }
}
```

# Populando apenas a tabela de compras

php artisan db:seed --class=PurchasesSeeder



Showing rows 0 - 119 (120 total, Query took 0.0090 seconds.)

```
SELECT * FROM `purchases`
```

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

Show all | Number of rows: 250 Filter rows: Search this table Sort by key: None

+ Options

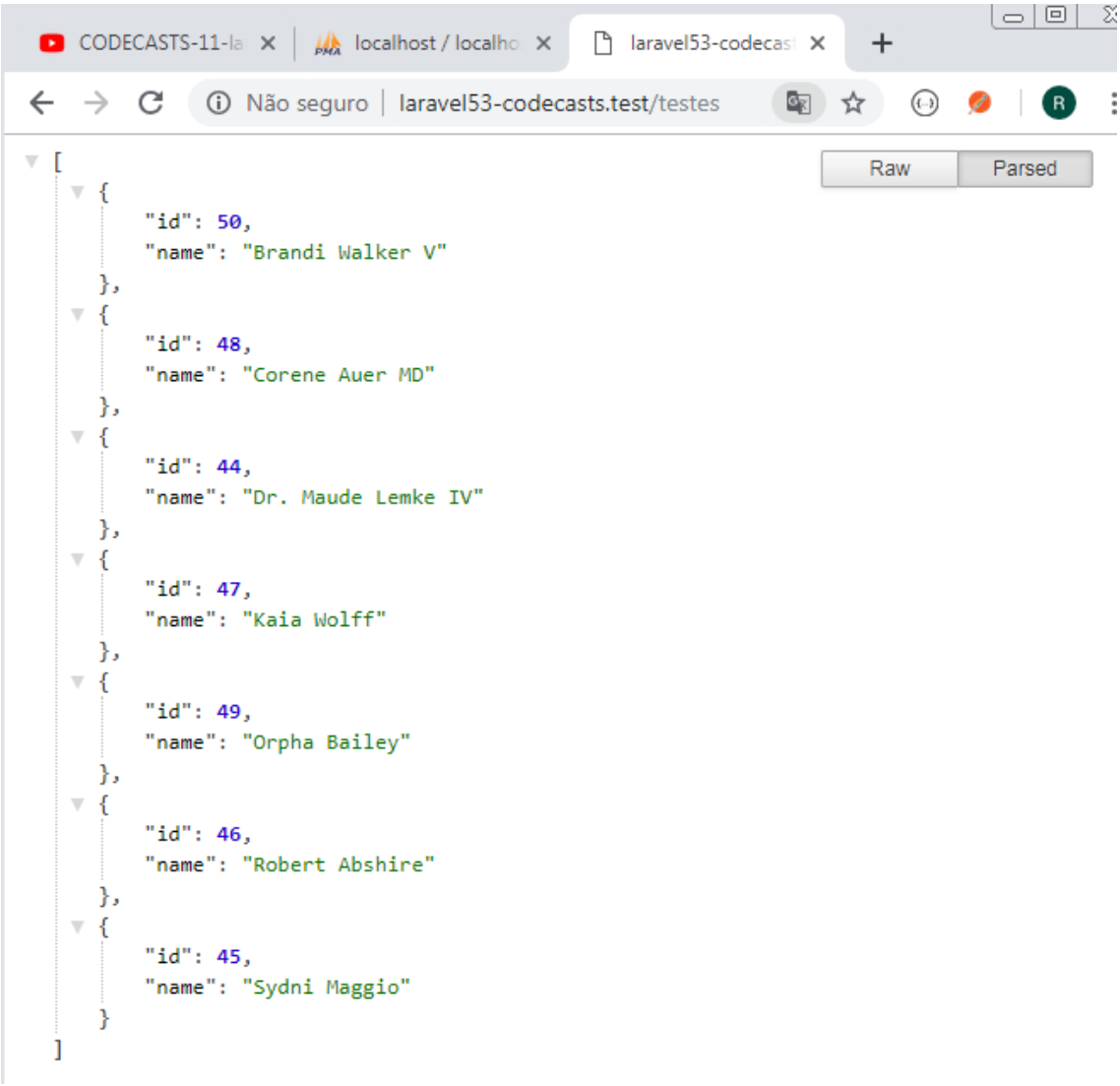
| | id | customer_id | amount | description | created_at | updated_at |
|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | 14 | 81.91 | Ullam praesentium asperiores impedit aut eaque qui... | 2019-02-28 17:11:27 | 2019-02-28 17:11:27 |
| Edit Copy Delete | 2 | 14 | 151.62 | Vitae id blanditiis dolorem dolor. | 2019-02-28 17:11:27 | 2019-02-28 17:11:27 |
| Edit Copy Delete | 3 | 13 | 230.63 | Doloremque et expedita id ratione eos. | 2019-02-28 17:11:27 | 2019-02-28 17:11:27 |
| Edit Copy Delete | 4 | 30 | 209.79 | Veritatis soluta accusamus explicabo minus tenetur... | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 5 | 24 | 367.38 | Pariatur quibusdam voluptatem et velit harum. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 6 | 3 | 71.05 | Unde ad autem quis quia qui. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 7 | 9 | 154.1 | Ut quas aliquid totam quia quia rerum consequatur. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 8 | 14 | 6.26 | Et cum sunt explicabo. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 9 | 47 | 304.12 | Molestiae eum culpa architecto. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 10 | 19 | 169.39 | Labore ut sapiente sit. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 11 | 29 | 116.73 | Est at incidunt dicta iure consequatur ratione fac... | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 12 | 39 | 235.96 | Omnis ut in eos. | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 13 | 24 | 225.73 | Eum beatae voluptatum laboriosam ullam occaecati l... | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |
| Edit Copy Delete | 14 | 31 | 260.29 | Laborum itaque qui minus consequatur quia id aut b... | 2019-02-28 17:11:28 | 2019-02-28 17:11:28 |

# Aula 11 - Models

## Query Builder

**routes/web.php**

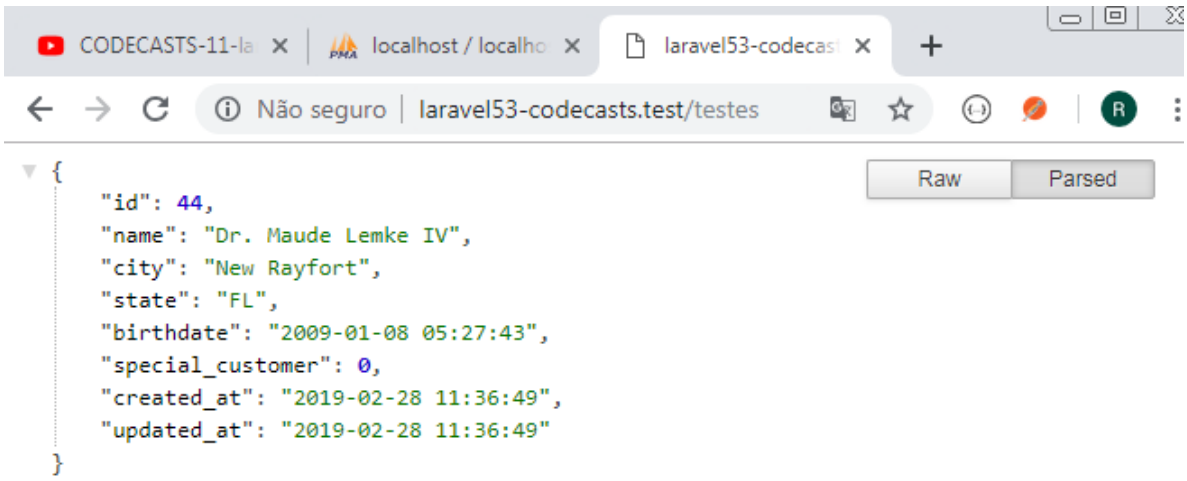
```
Route::get('/testes', function () {
        $query1 = DB::table('customers')
        ->where('id','>=', 44)
        ->orderBy('name')
        ->get(['id','name']);

        return $query1;
});
```



# Eloquent

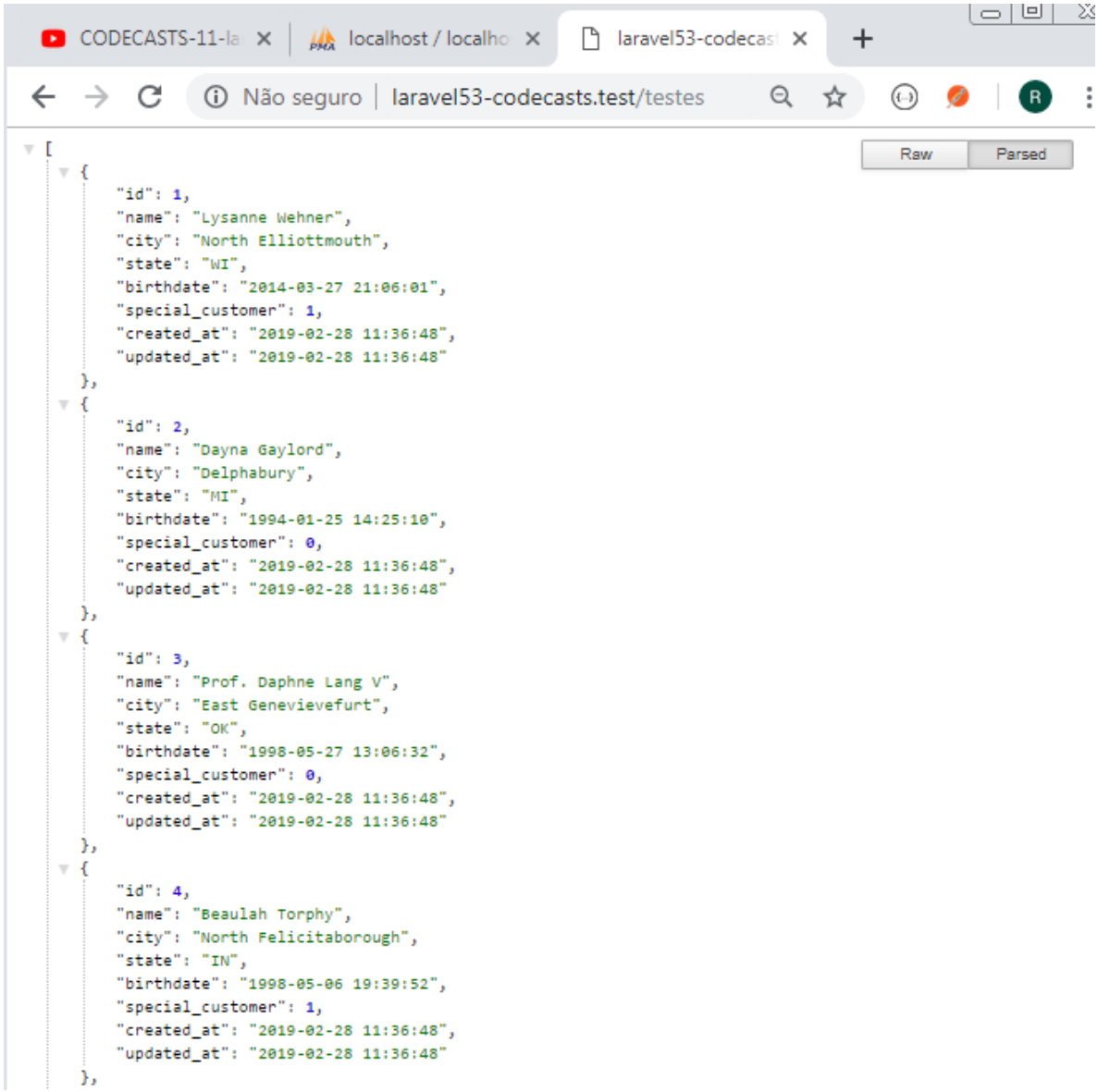
**routes/web.php**

```
use App\Customer;

Route::get('/testes', function () {
        $query2 = Customer::find(44);
        return $query2;
});
```



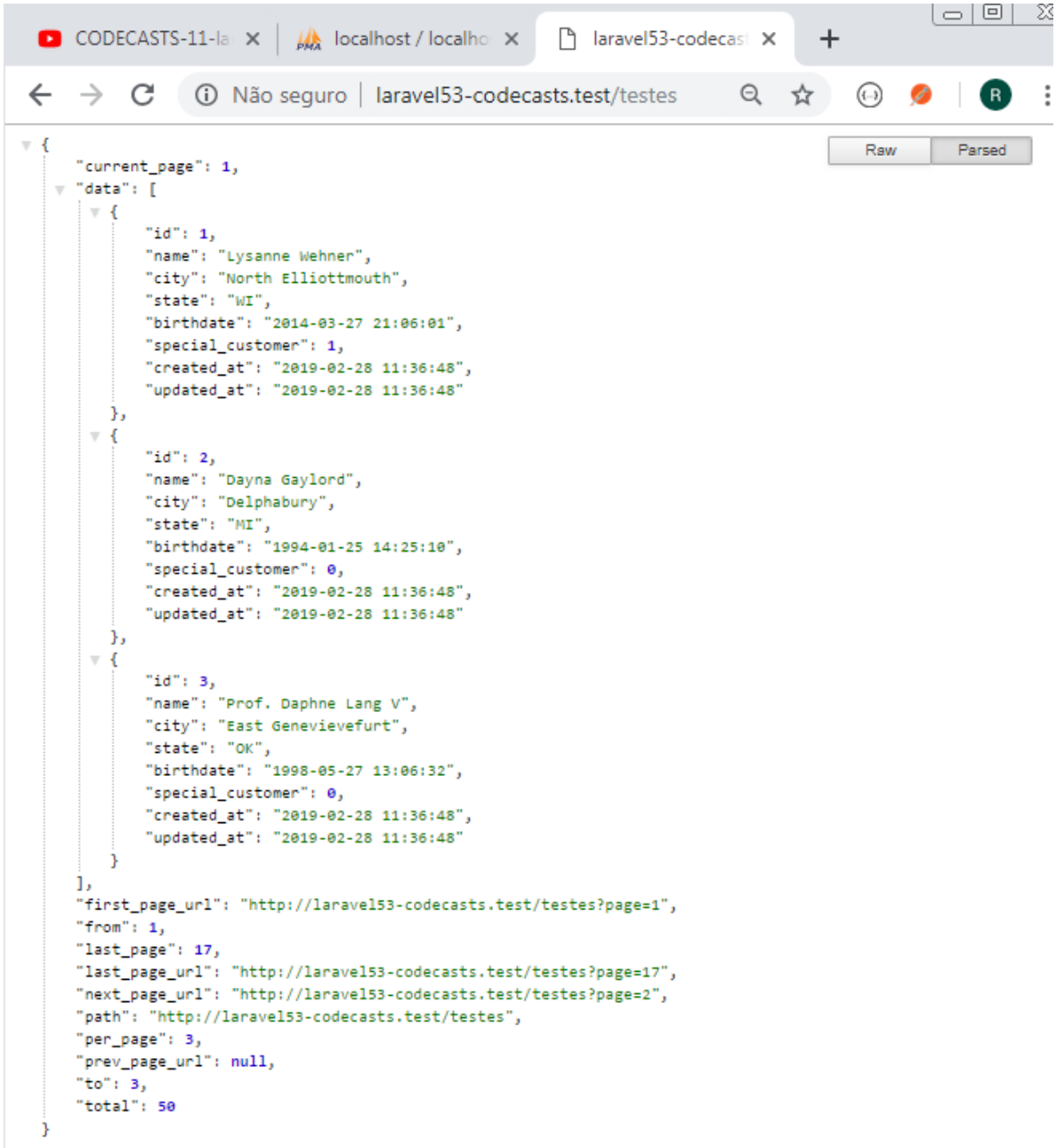
**routes/web.php**

```
use App\Customer;

Route::get('/testes', function () {
        $query3 = Customer::all();
        return $query3;
});
```



**routes/web.php**

```
use App\Customer;

Route::get('/testes', function () {
        $query4 = Customer::paginate(3);
        return $query4;
});
```



# Relacionamento de tabelas

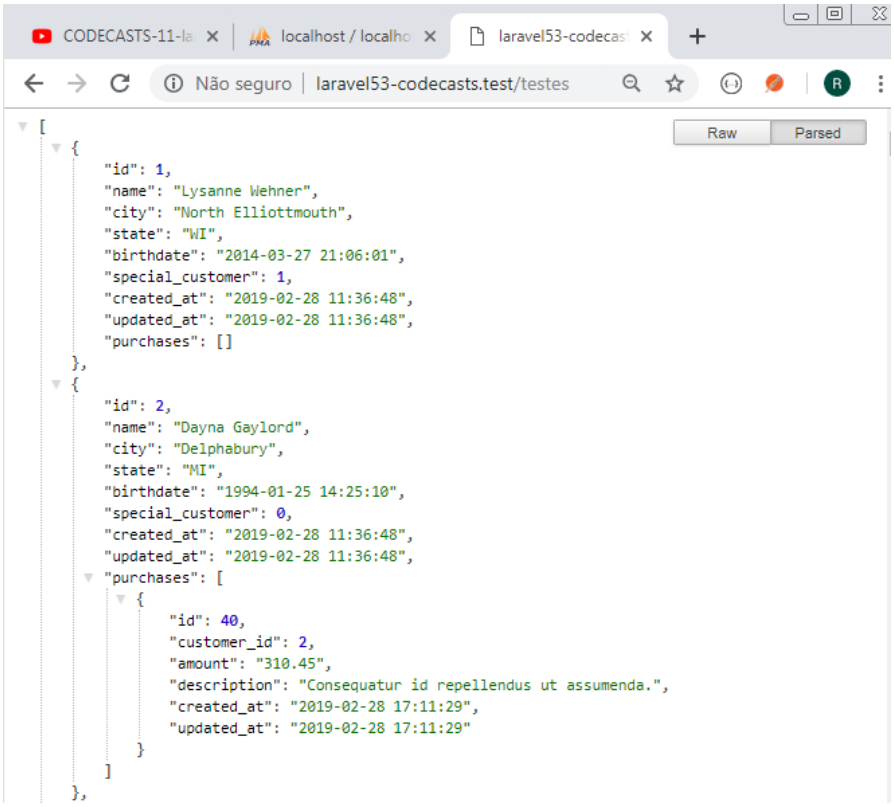
**app/Customer.php**

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Customer extends Model
{
   public function purchases(){
                    // Um cliente possui muitas compras
                    return $this->hasMany(Purchase::class);
   }
}
```

**routes/web.php**

```
Route::get('/testes', function () {
          // Relacionamento
          $query5 = Customer::with('purchases')->get();

          return $query5;
});
```

## Compras feitas por cliente



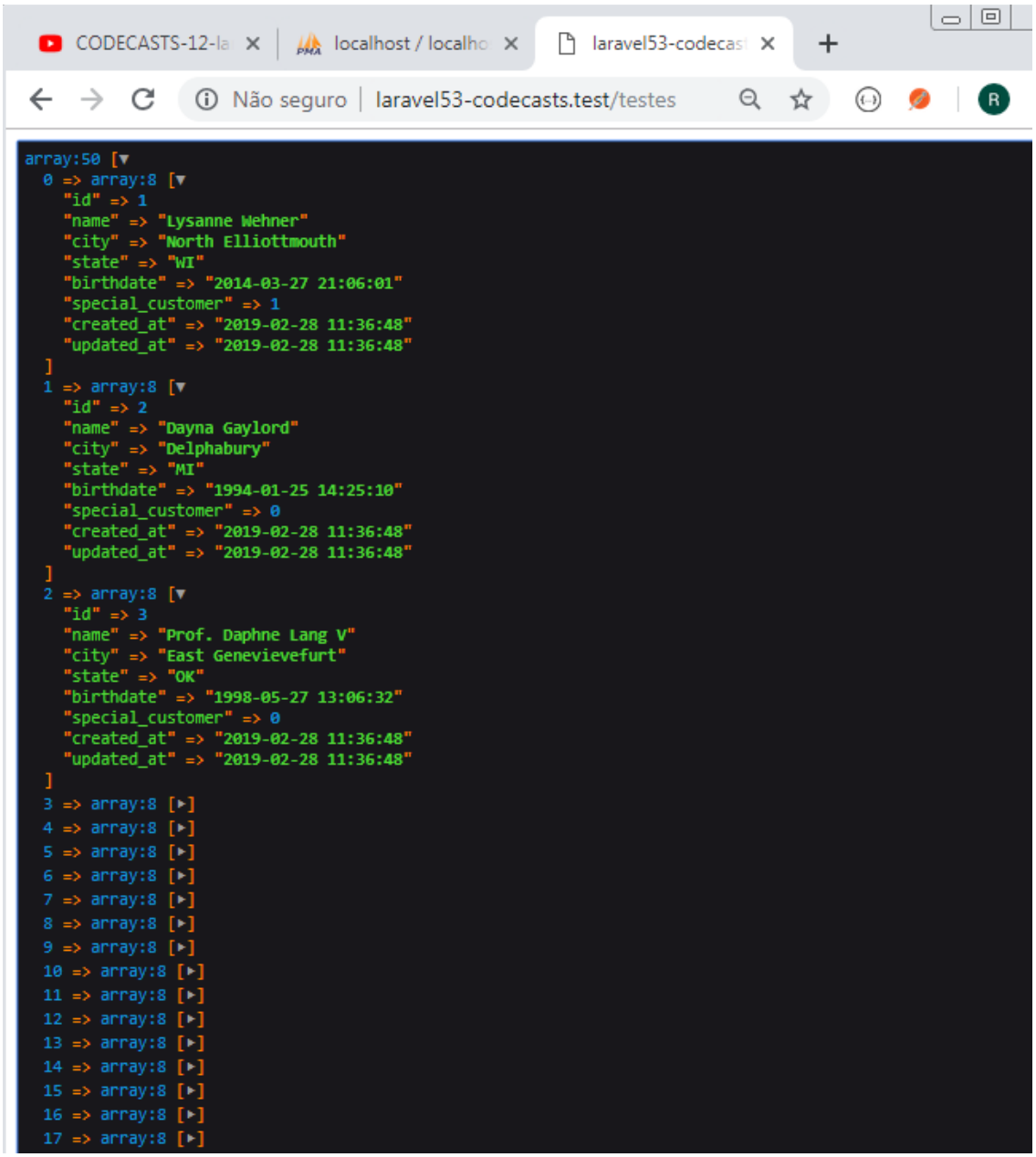


```
[
  {
    "id": 1,
    "name": "Lysanne Wehner",
    "city": "North Elliottmouth",
    "state": "WI",
    "birthdate": "2014-03-27 21:06:01",
    "special_customer": 1,
    "created_at": "2019-02-28 11:36:48",
    "updated_at": "2019-02-28 11:36:48",
    "purchases": []
  },
  {
    "id": 2,
    "name": "Dayna Gaylord",
    "city": "Delphabury",
    "state": "MI",
    "birthdate": "1994-01-25 14:25:10",
    "special_customer": 0,
    "created_at": "2019-02-28 11:36:48",
    "updated_at": "2019-02-28 11:36:48",
    "purchases": [
      {
        "id": 40,
        "customer_id": 2,
        "amount": "310.45",
        "description": "Consequatur id repellendus ut assumenda.",
        "created_at": "2019-02-28 17:11:29",
        "updated_at": "2019-02-28 17:11:29"
      }
    ]
  },
  {
    "id": 3,
    "name": "Prof. Daphne Lang V",
    "city": "East Genevievefurt",
    "state": "OK",
    "birthdate": "1998-05-27 13:06:32",
    "special_customer": 0,
    "created_at": "2019-02-28 11:36:48",
    "updated_at": "2019-02-28 11:36:48",
    "purchases": [
      {
        "id": 6,
        "customer_id": 3,
        "amount": "71.05",
        "description": "Unde ad autem quis quia qui.",
        "created_at": "2019-02-28 17:11:28",
        "updated_at": "2019-02-28 17:11:28"
      },
      {
        "id": 86,
        "customer_id": 3,
        "amount": "156.81",
        "description": "Quod fugiat perferendis aliquam aut non aut accusamus soluta.",
        "created_at": "2019-02-28 17:11:31",
        "updated_at": "2019-02-28 17:11:31"
      }
    ]
  },
  {
    "id": 4,
    "name": "Beaulah Torphy",
    "city": "North Felicitaborough",
    "state": "IN",
    "birthdate": "1998-05-06 19:39:52",
    "special_customer": 1,
    "created_at": "2019-02-28 11:36:48",
    "updated_at": "2019-02-28 11:36:48",
    "purchases": []
  },
```

# Aula 12 - Models - Listar registros

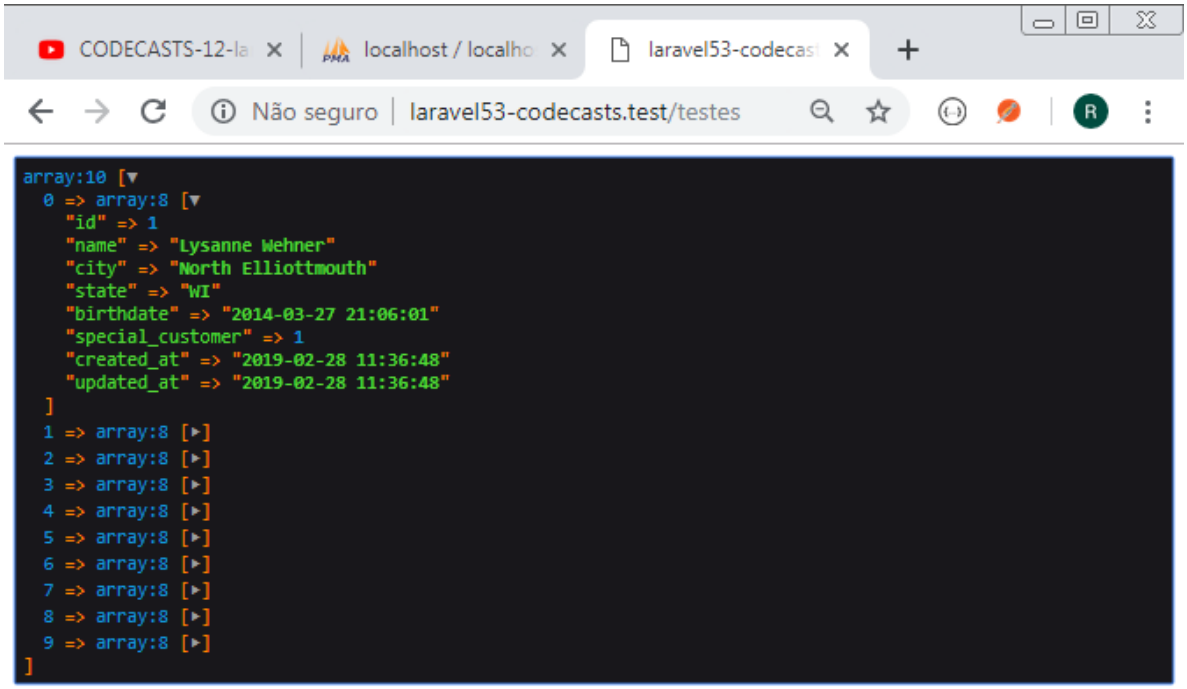
**routes/web.php**

```
use App\Customer;
use App\Purchase;

Route::get('/testes', function () {
        $customer1 = Customer::all();
        dd($customer1->toArray());
});
```



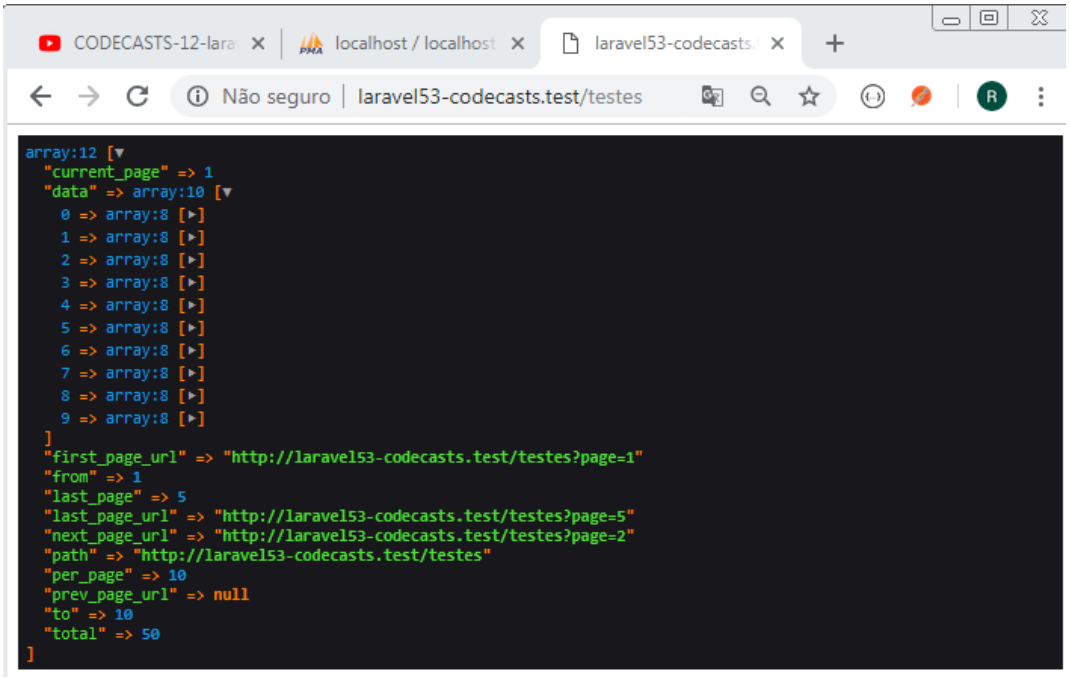
**routes/web.php**

```
Route::get('/testes', function () {
        $customer2 = Customer::with('purchases')->get();
        dd($customer2->toArray());
});
```



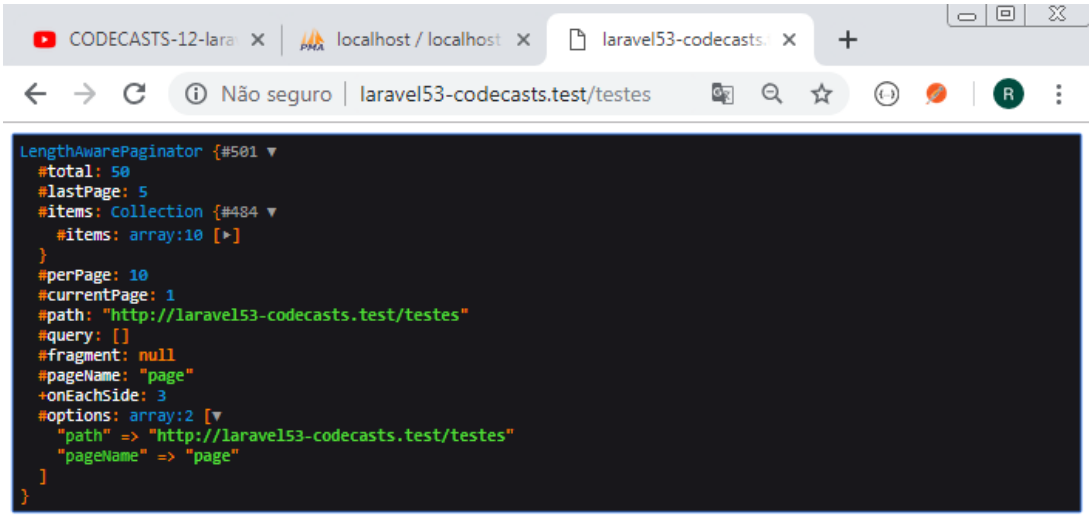
**routes/web.php**

```
Route::get('/testes', function () {
        $customer3 = Customer::take(10)->get();
        dd($customer3->toArray());
});
```



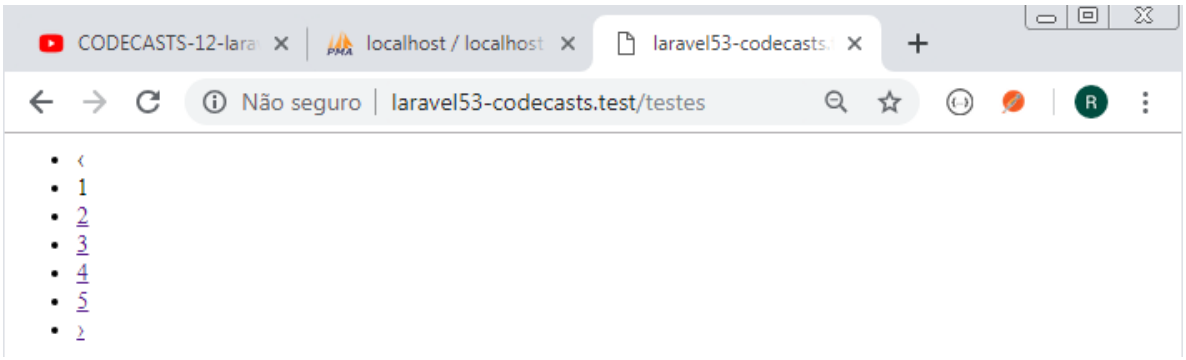

**routes/web.php**

```
Route::get('/testes', function () {
        $customer4 = Customer::paginate(10);
        dd($customer4);
});
```



**routes/web.php**

```
Route::get('/testes', function () {
        $customer5 = Customer::render();
        echo $customer5;
});
```



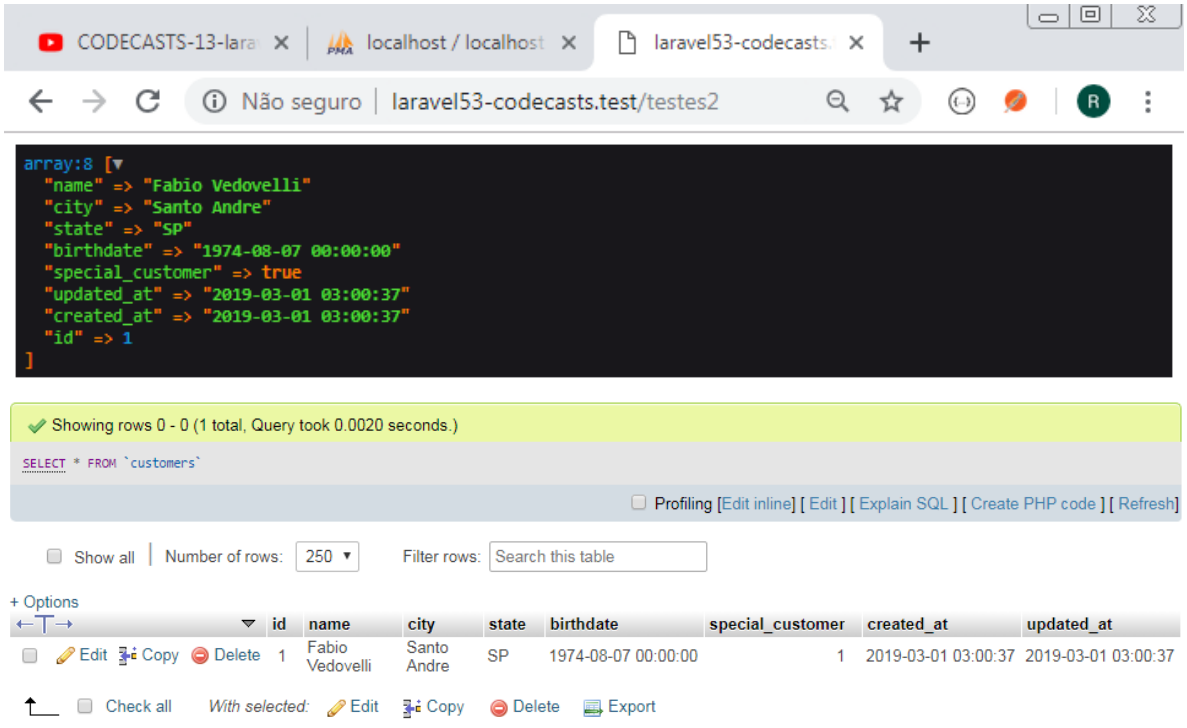
# Aula 13 - Models - Criar registros

Efetuar um truncate na tabela customer e posteriormente entrar com o seguinte código:

**routes/web.php**

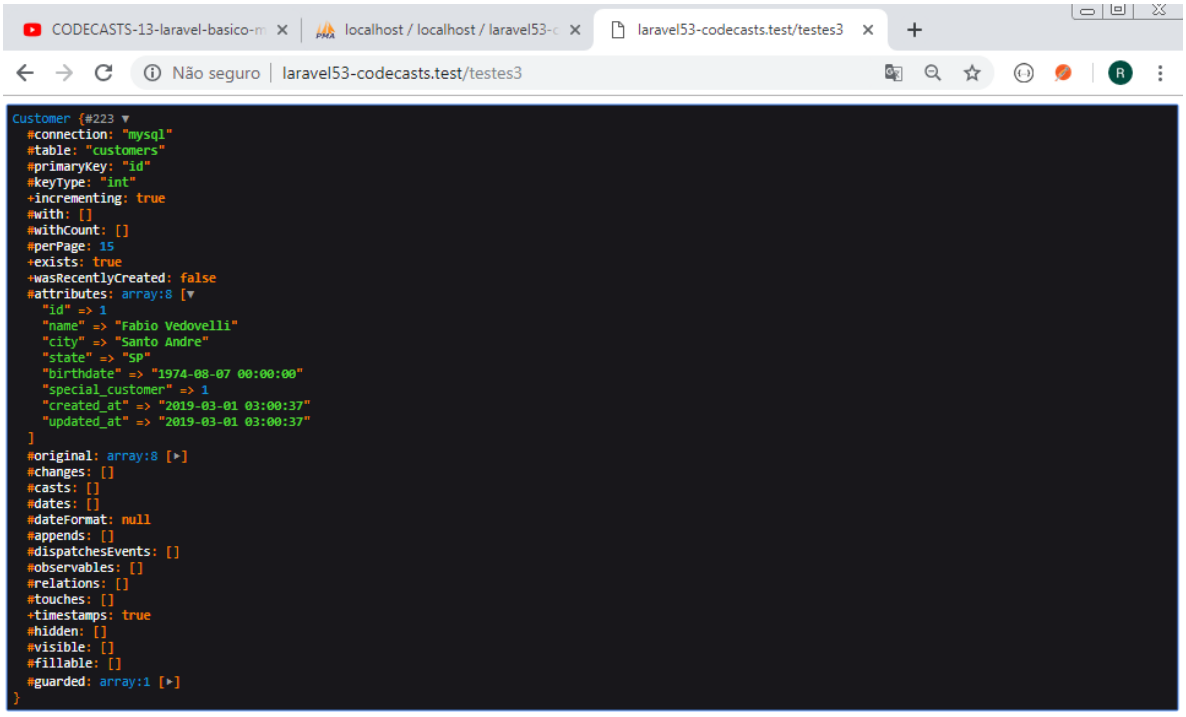
```
use App\Customer;

// CRIAR NOVO CUSTOMER

Route::get('/testes2', function () {
        $customer = new Customer();
        $customer->name = 'Fabio Vedovelli';
        $customer->city = 'Santo Andre';
        $customer->state = 'SP';
        $customer->birthdate = '1974-08-07 00:00:00';
        $customer->special_customer = true;

        $customer->save();
        dd($customer->toArray());
});
```

Enquanto o método save não for chamado, o objeto ficará criado apenas em memória.



**routes/web.php**

```
// TRAZER CUSTOMER ID 1

Route::get('/testes3', function () {
        $customer = Customer::find(1);
        dd($customer);
});
```

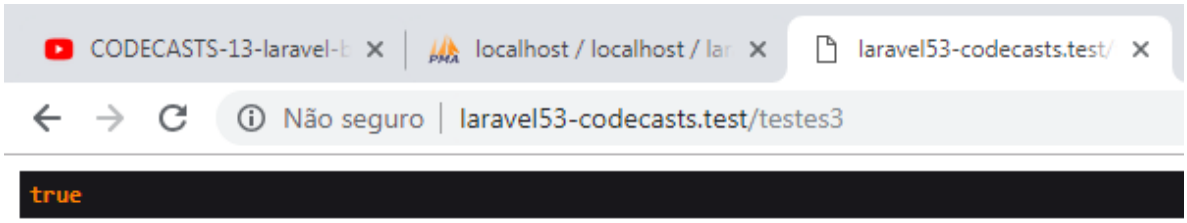


**app/Customer.php**

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Customer extends Model
{

        protected $casts = [
           'special_customer' => 'boolean',
        ];

        public function purchases(){
                // Um cliente possui muitas compras
                return $this->hasMany(Purchase::class);
         }
}
```

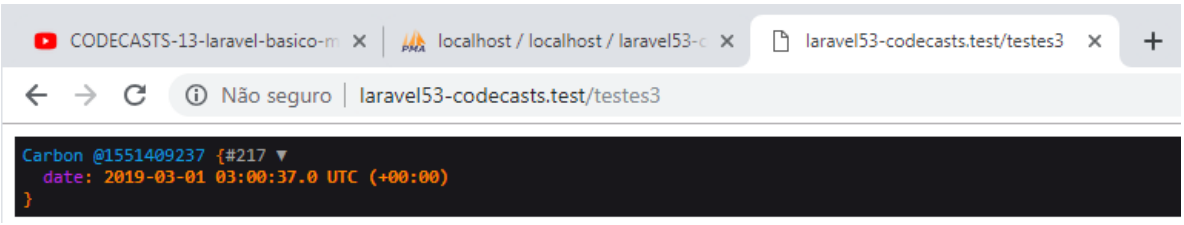
**routes/web.php**

```
// TRAZER CUSTOMER ID 1

Route::get('/testes3', function () {
        $customer = Customer::find(1);
        dd($customer->special_customer);
});
```



**routes/web.php**

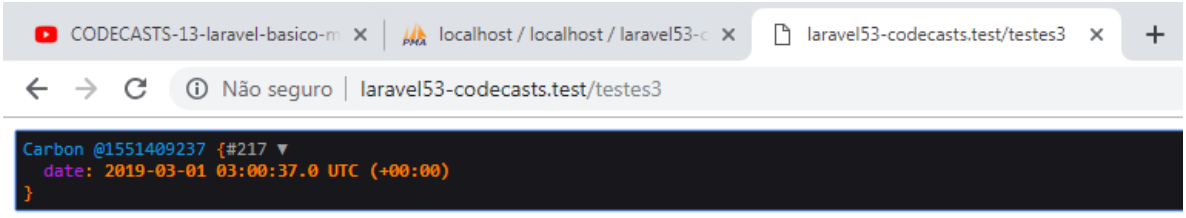
```
// TRAZER CUSTOMER ID 1

Route::get('/testes3', function () {
        $customer = Customer::find(1);
        // dd($customer->special_customer);
        dd($customer->created_at);
});
```




Carbon é uma classe para trabalhar com dados do tipo data. Essa bibiloteca faz comparação entre datas.

**app/Customer.php**

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Customer extends Model
{
        protected $casts = [
           'special_customer' => 'boolean',
           'birthdate' => 'date'
        ];
        public function purchases(){
           // Um cliente possui muitas compras
           return $this->hasMany(Purchase::class);
        }
}
```



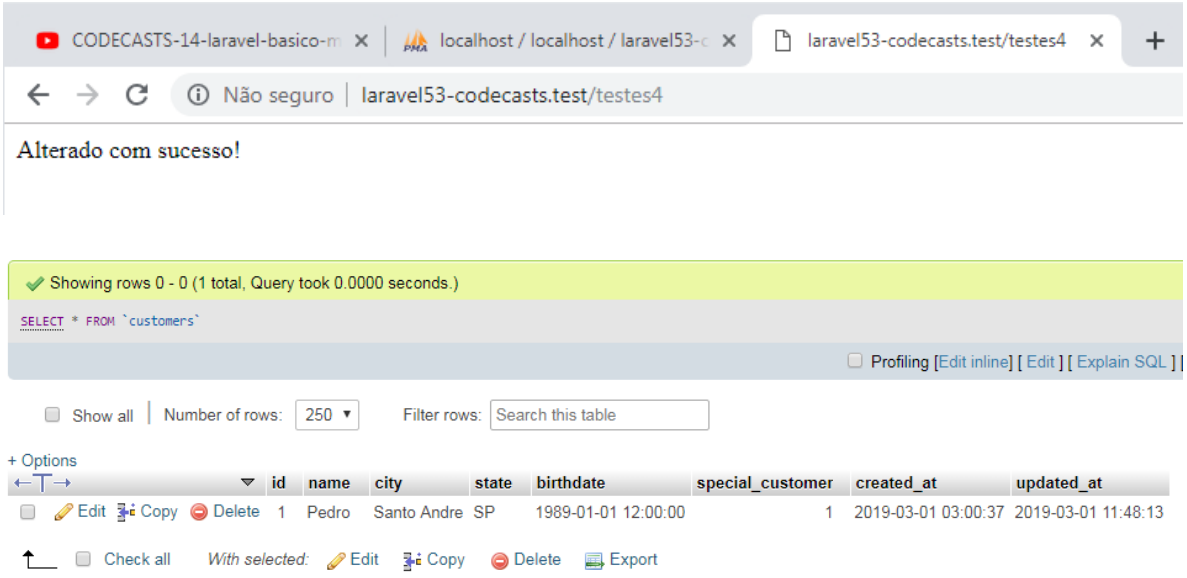
# Aula 14 - Models - Atualizar registros

**routes/web.php**

```
use App\Customer;

Route::get('/testes4', function () {
	$data = [
		'name' => 'Pedro',
		'birthdate' => '1989-01-01 12:00:00'
	];
	$customer = Customer::find(1);
	$customer->update($data);
	return 'Alterado com sucesso!';
});
```

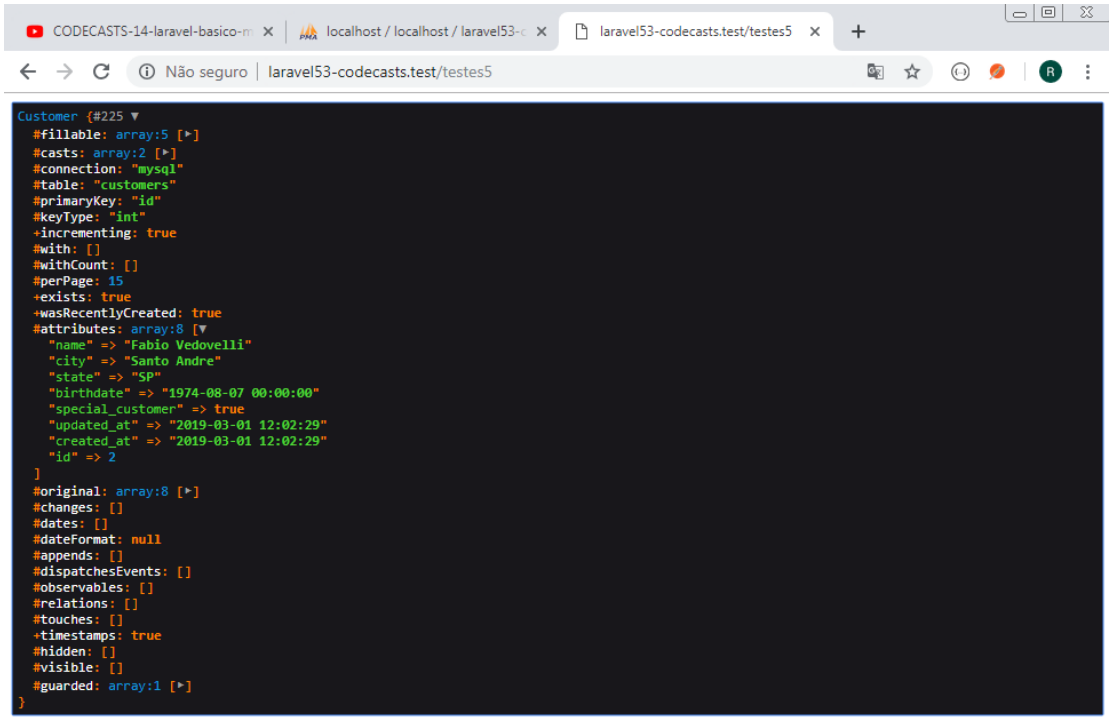
**app/Customer.php**

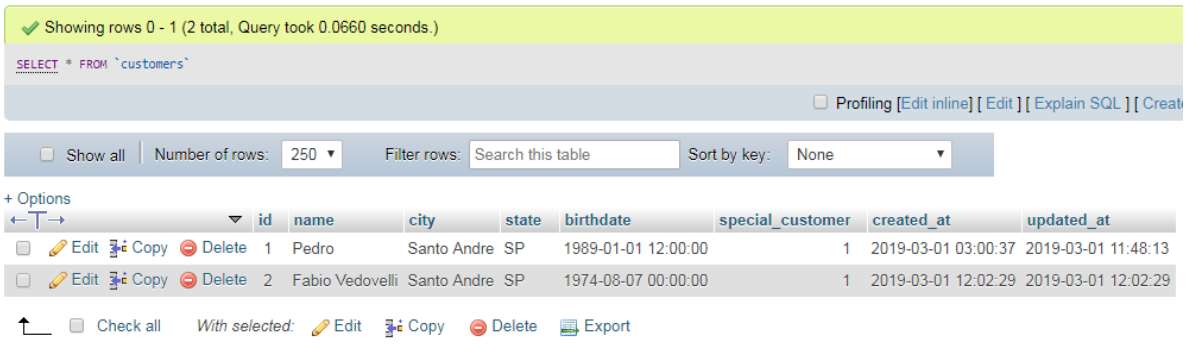
```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Customer extends Model
{

	protected $fillable = [
		'name', 'city', 'state', 'birthdate', 'special_customer'
	];

	protected $casts = [
	   'special_customer' => 'boolean',
	   'birthdate' => 'date'
	];

   public function purchases(){
		// Um cliente possui muitas compras
		return $this->hasMany(Purchase::class);
   }
}
```


CODECASTS-14-laravel-basico-m
localhost / localhost / laravel53-c
laravel53-codecasts.test/testes4
Não seguro | laravel53-codecasts.test/testes4
Alterado com sucesso!
Showing rows 0 - 0 (1 total, Query took 0.0000 seconds.)
SELECT * FROM `customers`
Profiling [Edit inline] [ Edit ] [ Explain SQL ]
Show all | Number of rows: 250 Filter rows: Search this table
+ Options
id name city state birthdate special_customer created_at updated_at
Edit Copy Delete 1 Pedro Santo Andre SP 1989-01-01 12:00:00 1 2019-03-01 03:00:37 2019-03-01 11:48:13
Check all With selected: Edit Copy Delete Export

**routes/web.php**

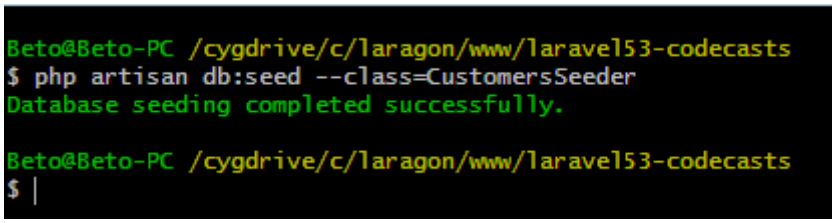
```
// INSERINDO REGISTRO

Route::get('/testes5', function () {
        $data = [
                'name' => 'Fabio Vedovelli',
                'city' => 'Santo Andre',
                'state' => 'SP',
                'birthdate' => '1974-08-07 00:00:00',
                'special_customer' => true
        ];
        $customer = Customer::create($data);
        dd($customer);
});
```



Popular novamente o banco de dados:

php artisan db:seed --class=CustomersSeeder



# Aula 16 - Rotas

// Listar dados de todos os clientes
// admin/clientes
// método GET

// Listar dados de um cliente específico
// admin/clientes/1
// método GET

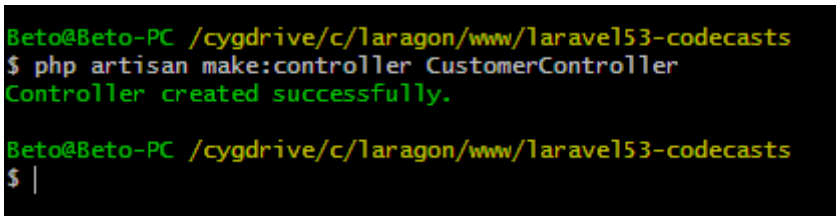
// Criar (inserir) novo cliente
// admin/clientes
// método POST

// Alterar dados (atualizar) de um cliente
// admin/clientes/1
// método PUT

// Excluir um cliente específico
// admin/clientes/1
// método DELETE

## Criando o controller para Customer

php artisan make:controller CustomerController



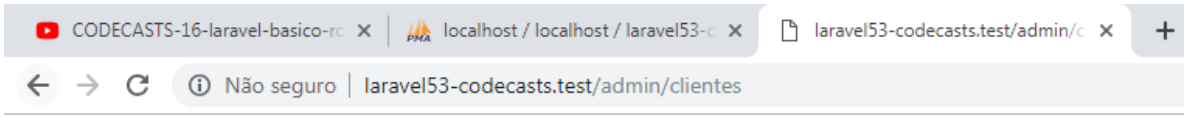
# Configurando as rotas

**routes/web.php**

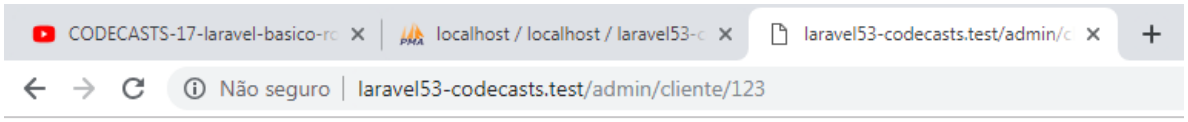
```
Route::group(['prefix' => 'admin'], function(){

        Route::get('clientes', ['as' => 'customer.index', 'uses' => 'CustomerController@index']);

        Route::get('cliente/{id}', ['as' => 'customer.get', 'uses' => 'CustomerController@get']);

        Route::post('cliente', ['as' => 'customer.create', 'uses' => 'CustomerController@create']);

        Route::put('cliente/{id}', ['as' => 'customer.update', 'uses' => 'CustomerController@update']);

        Route::delete('cliente/{id}', ['as' => 'customer.delete', 'uses' => 'CustomerController@delete']);

});
```

**app/Http/Controllers/CustomerController.php**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class CustomerController extends Controller
{
   public function index(){
        return 'Hello!';
   }
   public function get($id){
        return $id;
   }
   public function create(){

   }
   public function update($id){

   }
   public function delete($id){

   }
}
```


CODECASTS-16-laravel-basico-rc
localhost / localhost / laravel53-c
laravel53-codecasts.test/admin/c
Não seguro | laravel53-codecasts.test/admin/clientes

Hello

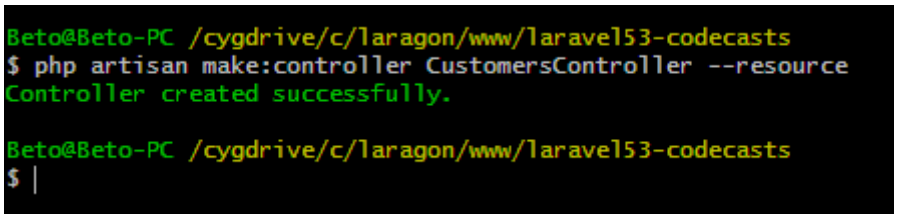

CODECASTS-17-laravel-basico-rc
localhost / localhost / laravel53-c
laravel53-codecasts.test/admin/c
Não seguro | laravel53-codecasts.test/admin/cliente/123

123

# Aula 17 - Rotas - Resource

## Criando o controller

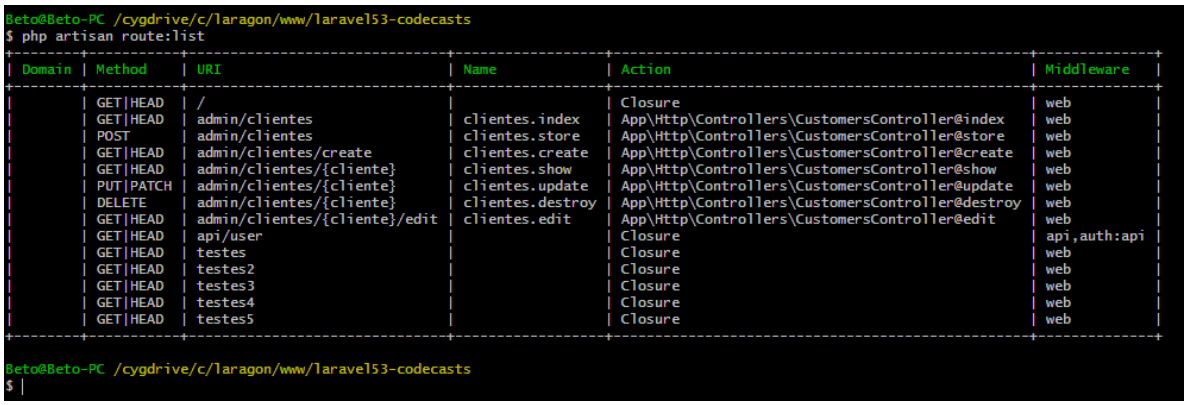
php artisan make:controller CustomersController --resource



**app/Http/Controllers/CustomersController.php**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class CustomersController extends Controller
{
   public function index()
   {
      //
   }
   public function create()
   {
      //
   }
   public function store(Request $request)
   {
      //
   }
   public function show($id)
   {
      //
   }
   public function edit($id)
   {
      //
   }
   public function update(Request $request, $id)
   {
      //
   }
   public function destroy($id)
   {
      //
   }
}
```

php artisan route:list



```
Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$ php artisan route:list
+--------+----------+-------------------------------+-----------------+-----------------------------------------------------+--------------+
| Domain | Method   | URI                           | Name            | Action                                              | Middleware   |
+--------+----------+-------------------------------+-----------------+-----------------------------------------------------+--------------+
|        | GET|HEAD | /                             |                 | Closure                                             | web          |
|        | GET|HEAD | admin/clientes                | clientes.index  | App\Http\Controllers\CustomersController@index      | web          |
|        | POST     | admin/clientes                | clientes.store  | App\Http\Controllers\CustomersController@store      | web          |
|        | GET|HEAD | admin/clientes/create         | clientes.create | App\Http\Controllers\CustomersController@create     | web          |
|        | GET|HEAD | admin/clientes/{cliente}      | clientes.show   | App\Http\Controllers\CustomersController@show       | web          |
|        | PUT|PATCH| admin/clientes/{cliente}      | clientes.update | App\Http\Controllers\CustomersController@update     | web          |
|        | DELETE   | admin/clientes/{cliente}      | clientes.destroy| App\Http\Controllers\CustomersController@destroy    | web          |
|        | GET|HEAD | admin/clientes/{cliente}/edit | clientes.edit   | App\Http\Controllers\CustomersController@edit       | web          |
|        | GET|HEAD | api/user                      |                 | Closure                                             | api,auth:api |
|        | GET|HEAD | testes                        |                 | Closure                                             | web          |
|        | GET|HEAD | testes2                       |                 | Closure                                             | web          |
|        | GET|HEAD | testes3                       |                 | Closure                                             | web          |
|        | GET|HEAD | testes4                       |                 | Closure                                             | web          |
|        | GET|HEAD | testes5                       |                 | Closure                                             | web          |
+--------+----------+-------------------------------+-----------------+-----------------------------------------------------+--------------+

Beto@Beto-PC /cygdrive/c/laragon/www/laravel53-codecasts
$
```

**routes/web.php**

```
Route::group(['prefix' => 'admin'], function(){
        Route::resource('clientes', 'CustomersController');
});
```

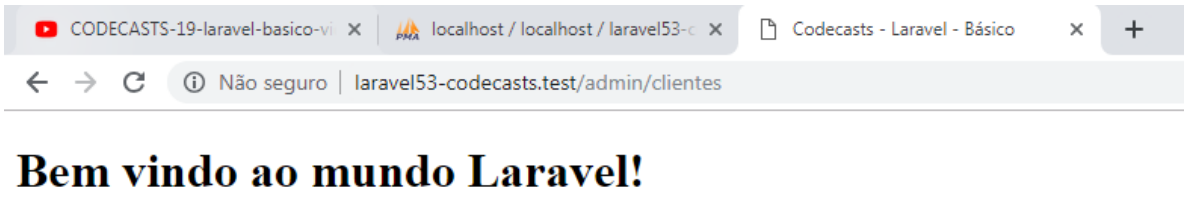
# Aula 19 - Views

**app/Http/Controllers/CustomersController.php**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class CustomersController extends Controller
{
   public function index()
   {
      return view('customers.index');
   }
   public function create()
   {
      //
   }
   public function store(Request $request)
   {
      //
   }
   public function show($id)
   {
      //
   }
   public function edit($id)
   {
      //
   }
   public function update(Request $request, $id)
   {
      //
   }
   public function destroy($id)
   {
      //
   }
}
```

**resources/views/customers/index.php**

```
<!DOCTYPE html>
<html>
<head>
	<meta charset="utf-8">
	<title>Codecasts - Laravel - Básico</title>
</head>
<body>
	<h1>Bem vindo ao mundo Laravel!</h1>
</body>
</html>
```




**Bem vindo ao mundo Laravel!**

# Aula 20 - Views - Blade

**app/Http/Controllers/CustomersController.php**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Customer;

class CustomersController extends Controller
{
   public function index()
   {
      $customers = Customer::all();
      return view('customers.index')->with(compact('customers'));
   }
}
```

**resources/views/customers/index.blade.php**

```
<!DOCTYPE html>
<html>
<head>
        <meta charset="utf-8">
        <title>Codecasts - Laravel - Básico</title>
</head>
<body>
        <h1>Bem vindo ao mundo Laravel!</h1>

        @foreach($customers as $customer)
                <p>{{$customer->name}}</p>
        @endforeach

</body>
</html>
```

CODECASTS-20-laravel-basico-vi
localhost / localhost / laravel53-c
Codecasts - Laravel - Básico
Não seguro | laravel53-codecasts.test/admin/clientes
Bem vindo ao mundo Laravel!
Otilia Stoltenberg
Marilyne Connelly
Jordon Kuphal
Sunny Gusikowski
Ms. Itzel Doyle MD
Sigurd Bogan III
Dr. Angelita McKenzie
Leta Parker
Austyn Glover
Ms. Clotilde Strosin III
Madyson Rath
Dr. Hardy Blanda
Margret Corwin
Celestino Nader
Ms. Asa Balistreri I
Hillary Aufderhar
Ms. Matilda Orn DDS

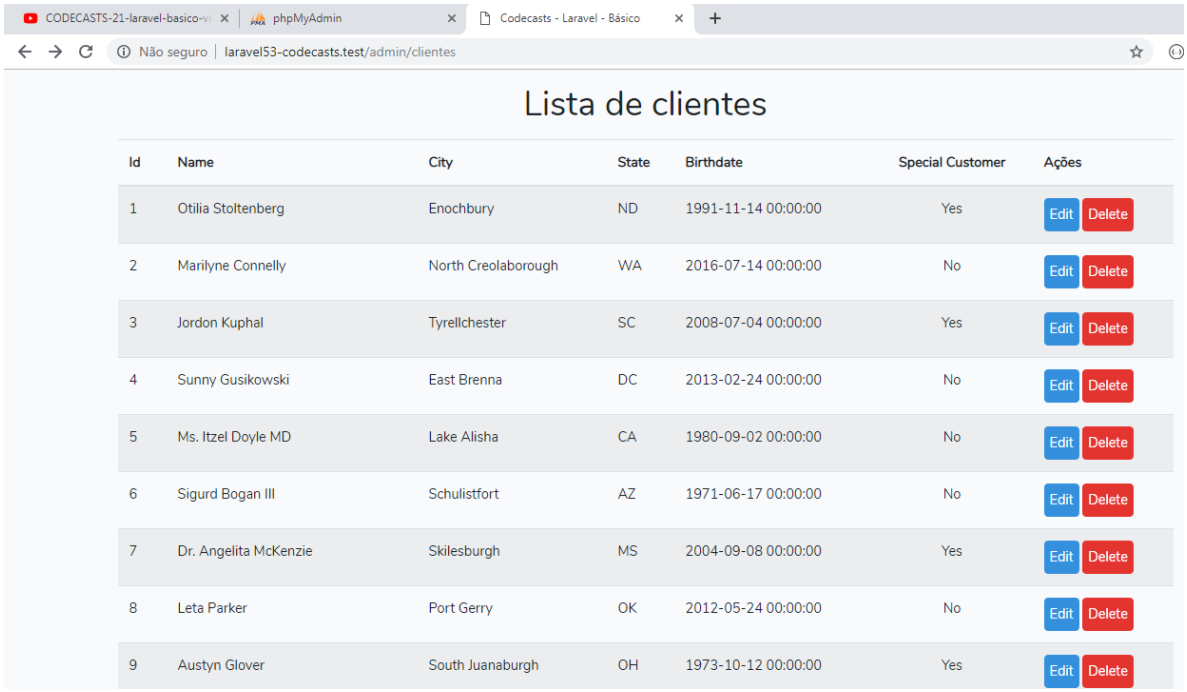
# Aula 21 - Bootstrap

**app/Http/Controllers/CustomersController.php**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Customer;

class CustomersController extends Controller
{
   public function index()
   {

      $customers = Customer::all();

      return view('customers.index')->with(compact('customers'));
   }
   public function edit($id)
   {
      return "Edit customer $id";
   }
   public function update(Request $request, $id)
   {
      //
   }
   public function destroy($id)
   {
      return "Delete customer $id";
   }
}
```

**resources/views/customers/index.blade.php**

```
<!DOCTYPE html>
<html>
<head>
	<meta charset="utf-8">
	<title>Codecasts - Laravel - Básico</title>
	<link rel="stylesheet" type="text/css" href="{{'/css/app.css'}}">
</head>
<body>
	<div class="container">
		<h1 style="margin: 15px 0px" class="text-center">Lista de clientes</h1>
		<table class="table bordered table-striped">
			<thead>
				<th>Id</th>
				<th>Name</th>
				<th>City</th>
				<th>State</th>
				<th>Birthdate</th>
				<th class="text-center">Special Customer</th>
				<th>Ações</th>
			</thead>
			<tbody>
				@foreach($customers as $customer)
					<tr>
						<td>{{$customer->id}}</td>
						<td>{{$customer->name}}</td>
						<td>{{$customer->city}}</td>
						<td>{{$customer->state}}</td>
						<td>{{$customer->birthdate}}</td>
						@if($customer->special_customer == 1)
							<td class="text-center">Yes</td>
						@else
							<td class="text-center">No</td>
						@endif
						<td>
							<a style="padding: 5px;" class="btn btn-xs btn-primary" href="/admin/clientes/{{$customer->id}}/edit"> Edit</a>
							<a style="padding: 5px;" class="btn btn-xs btn-danger" href="/admin/clientes/{{$customer->id}}"> Delete</a>
						</td>
					</tr>
				@endforeach
			</tbody>
		</table>
	</div>
</body>
</html>
```


CODECASTS-21-laravel-basico-
phpMyAdmin
Codecasts - Laravel - Básico
Não seguro | laravel53-codecasts.test/admin/clientes
Lista de clientes
Id Name City State Birthdate Special Customer Ações
1 Otilia Stoltenberg Enochbury ND 1991-11-14 00:00:00 Yes Edit Delete
2 Marilyne Connelly North Creolaborough WA 2016-07-14 00:00:00 No Edit Delete
3 Jordon Kuphal Tyrellchester SC 2008-07-04 00:00:00 Yes Edit Delete
4 Sunny Gusikowski East Brenna DC 2013-02-24 00:00:00 No Edit Delete
5 Ms. Itzel Doyle MD Lake Alisha CA 1980-09-02 00:00:00 No Edit Delete
6 Sigurd Bogan III Schulistfort AZ 1971-06-17 00:00:00 No Edit Delete
7 Dr. Angelita McKenzie Skilesburgh MS 2004-09-08 00:00:00 Yes Edit Delete
8 Leta Parker Port Gerry OK 2012-05-24 00:00:00 No Edit Delete
9 Austyn Glover South Juanaburgh OH 1973-10-12 00:00:00 Yes Edit Delete