

Aluno: John Junqueira Aranha

Disciplina: Laboratório de Programação Web2

Professor: Fábio Lima

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Executando o workspace e criando o projetoweb

```
root@6a5705a7182b: /var/www/projeto3

johnjunqueira@johnjunqueira-VirtualBox:~/Documentos/projetos/laradock$ docker-compose up -d mysql phpmyadmin workspace apache2
laradock_mysql_1 is up-to-date
laradock_docker-in-docker_1 is up-to-date
laradock_phpmyadmin_1 is up-to-date
laradock_workspace_1 is up-to-date
laradock_php-fpm_1 is up-to-date
laradock_apache2_1 is up-to-date
johnjunqueira@johnjunqueira-VirtualBox:~/Documentos/projetos/laradock$ docker-compose exec workspace bash
root@6a5705a7182b: /var/www# ls
laradock projeto1 projeto2 projeto3
root@6a5705a7182b: /var/www# cd projeto3
root@6a5705a7182b: /var/www/projeto3# cd ..
root@6a5705a7182b: /var/www# rm -r projeto3
root@6a5705a7182b: /var/www# ls
laradock projeto1 projeto2
root@6a5705a7182b: /var/www# composer create-project laravel/laravel projeto3
Creating a "laravel/laravel" project at "./projeto3"
Installing laravel/laravel (v8.6.3)
- Installing laravel/laravel (v8.6.3): Extracting archive
Created project in /var/www/projeto3
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 107 installs, 0 updates, 0 removals
- Locking asm89/stack-cors (v2.0.3)
- Locking brick/math (0.9.3)
- Locking doctrine/inflector (2.0.3)
- Locking doctrine/instantiator (1.4.0)
- Locking doctrine/lexer (1.2.1)
- Locking dragonmantank/cron-expression (v3.1.0)
- Locking egulias/email-validator (2.1.25)
- Locking facade/flare-client-php (1.9.1)
- Locking facade/ignition (2.14.1)
```

```
root@6a5705a7182b: /var/www/projeto3

- Installing phpunit/php-file-iterator (3.0.5): Extracting archive
- Installing theseer/tokenizer (1.2.1): Extracting archive
- Installing sebastian/lines-of-code (1.0.3): Extracting archive
- Installing sebastian/complexity (2.0.2): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (2.0.3): Extracting archive
- Installing phpunit/php-code-coverage (9.2.7): Extracting archive
- Installing doctrine/instantiator (1.4.0): Extracting archive
- Installing phpspec/prophecy (1.14.0): Extracting archive
- Installing phar-io/version (3.1.0): Extracting archive
- Installing phar-io/manifest (2.0.3): Extracting archive
- Installing myclabs/deep-copy (1.10.2): Extracting archive
- Installing phpunit/phpunit (9.5.10): Extracting archive
62 package suggestions were added by new dependencies, use `composer suggest` to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
77 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi
No publishable resources for tag [laravel-assets].
Publishing complete.
> @php artisan key:generate --ansi
Application key set successfully.
root@6a5705a7182b: /var/www# ls
```

Migração do banco de dados e gerando as chaves e link

```
root@6a5705a7182b: /var/www/projeto3
bootstrap package.json routes webpack.mix.js
composer.json phpunit.xml server.php
composer.lock public database
root@6a5705a7182b:/var/www/projeto3# php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (188.79ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (153.64ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (73.85ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (130.39ms)
root@6a5705a7182b:/var/www/projeto3# php artisan make:migration create_clientes_table
Created Migration: 2021_10_09_002658_create_clientes_table
root@6a5705a7182b:/var/www/projeto3# php artisan make:migration create_fornecedor_table
Created Migration: 2021_10_09_003124_create_fornecedor_table
root@6a5705a7182b:/var/www/projeto3# php artisan migrate:status
+-----+-----+-----+
| Ran? | Migration | Batch |
+-----+-----+-----+
| Yes | 2014_10_12_000000_create_users_table | 1 |
| Yes | 2014_10_12_100000_create_password_resets_table | 1 |
| Yes | 2019_08_19_000000_create_failed_jobs_table | 1 |
| Yes | 2019_12_14_000001_create_personal_access_tokens_table | 1 |
| No | 2021_10_09_002658_create_clientes_table | |
| No | 2021_10_09_003124_create_fornecedor_table | |
+-----+-----+-----+
root@6a5705a7182b:/var/www/projeto3# php artisan migrate
Migrating: 2021_10_09_002658_create_clientes_table
Migrated: 2021_10_09_002658_create_clientes_table (983.85ms)
Migrating: 2021_10_09_003124_create_fornecedor_table
```

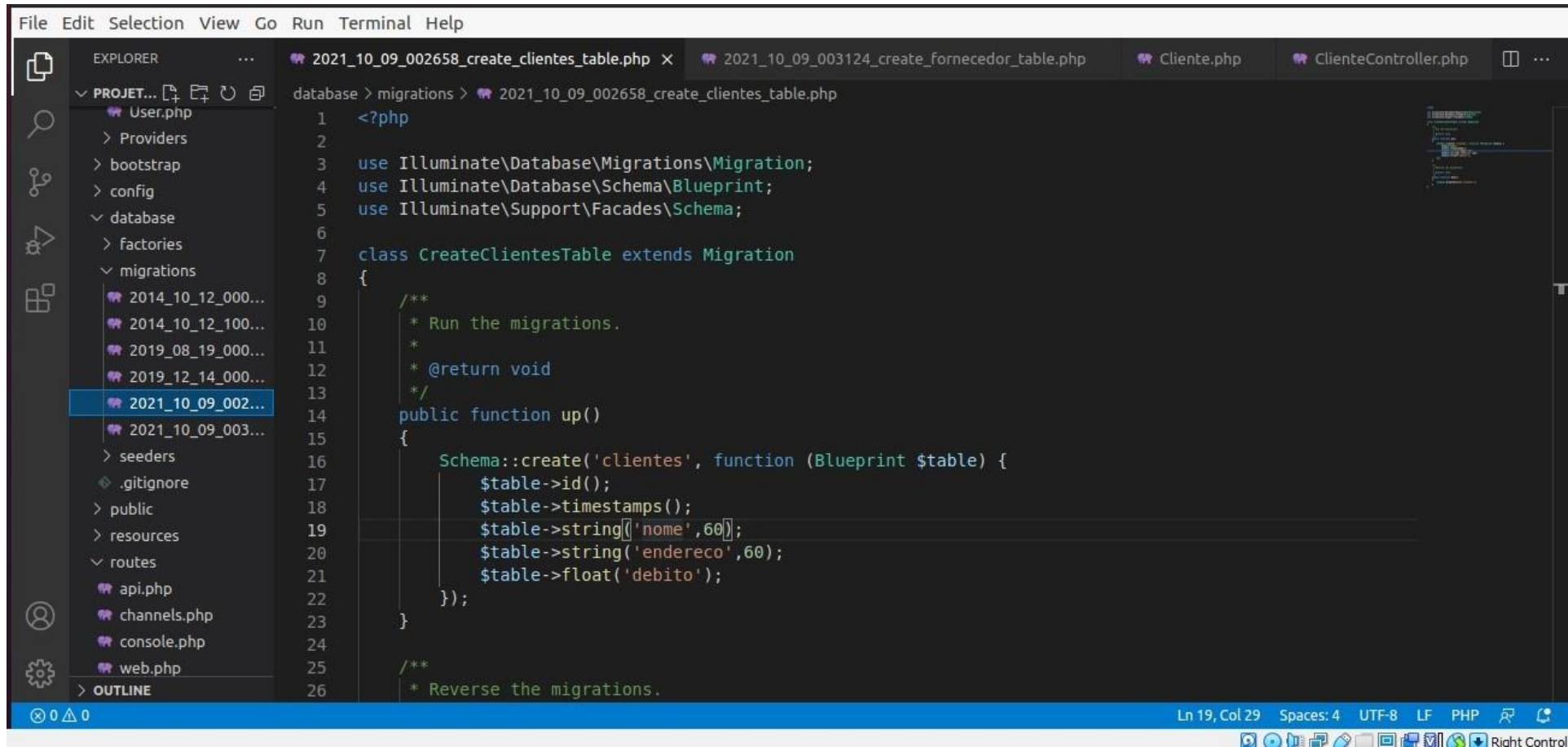


```
root@6a5705a7182b: /var/www/projeto3
composer lock
root@6a5705a7182b:/var/www/projeto3# cp .env.example .env
root@6a5705a7182b:/var/www/projeto3# chmod -R 777 storage
root@6a5705a7182b:/var/www/projeto3# php artisan key:generate
Application key set successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan storage:link
The [/var/www/projeto3/public/storage] link has been connected to [/var/www/projeto3/storage/app/public].
The links have been created.
root@6a5705a7182b:/var/www/projeto3# ls -la
total 372
drwxr-xr-x 12 root    root    4096 Oct  9 00:10 .
drwxrwxr-x  6 laradock laradock 4096 Oct  9 00:09 ..
drwxr-xr-x  7 root    root    4096 Oct  5 18:40 app
-rwxr-xr-x  1 root    root    1686 Oct  5 18:40 artisan
drwxr-xr-x  3 root    root    4096 Oct  5 18:40 bootstrap
-rw-r--r--  1 root    root    1736 Oct  5 18:40 composer.json
-rw-r--r--  1 root    root   278411 Oct  9 00:10 composer.lock
drwxr-xr-x  2 root    root    4096 Oct  5 18:40 config
drwxr-xr-x  5 root    root    4096 Oct  5 18:40 database
-rw-r--r--  1 root    root    258 Oct  5 18:40 .editorconfig
-rw-r--r--  1 root    root    920 Oct  9 00:14 .env
-rw-r--r--  1 root    root    869 Oct  5 18:40 .env.example
-rw-r--r--  1 root    root    111 Oct  5 18:40 .gitattributes
-rw-r--r--  1 root    root    207 Oct  5 18:40 .gitignore
-rw-r--r--  1 root    root    473 Oct  5 18:40 package.json
-rw-r--r--  1 root    root    1202 Oct  5 18:40 phpunit.xml
drwxr-xr-x  2 root    root    4096 Oct  9 00:14 public
-rw-r--r--  1 root    root    3964 Oct  5 18:40 README.md
drwxr-xr-x  6 root    root    4096 Oct  5 18:40 resources
drwxr-xr-x  2 root    root    4096 Oct  5 18:40 routes
-rw-r--r--  1 root    root    563 Oct  5 18:40 server.php
drwxrwxrwx  5 root    root    4096 Oct  5 18:40 storage
-rw-r--r--  1 root    root    194 Oct  5 18:40 .styleci.yml
```

Criando uma tabela clientes e fornecedores:

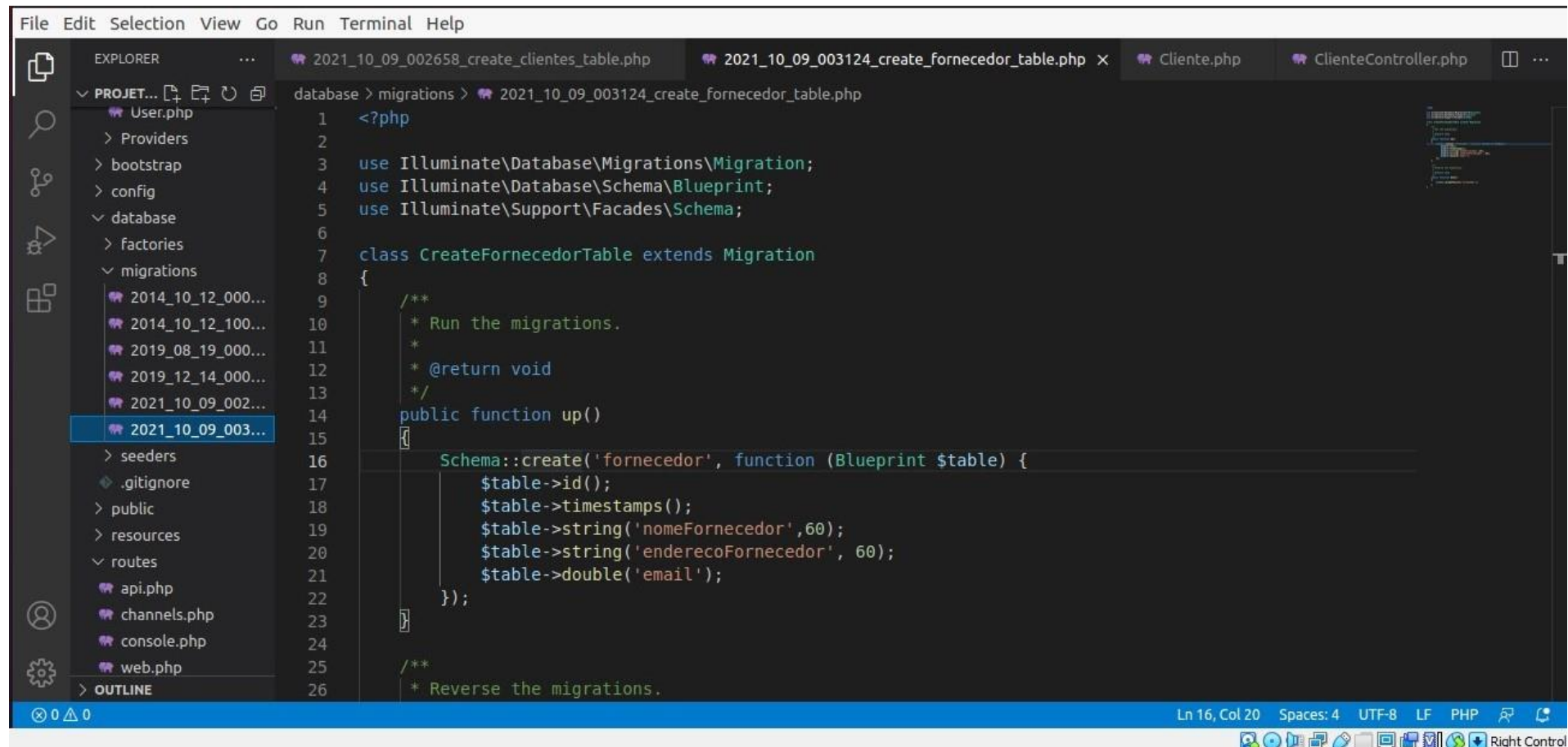
php artisan make:migration create_clientes_table

php artisan make:migration create_fornecedor_table



The screenshot shows an IDE with a dark theme. The Explorer panel on the left shows a project structure with folders like 'database' and 'migrations'. The 'migrations' folder is expanded, and a file named '2021_10_09_002658_create_clientes_table.php' is selected. The main editor displays the code for this migration file. The code includes the necessary Illuminate namespace imports, a class definition 'CreateClientesTable' extending 'Migration', and a 'public function up()' method. Inside the 'up()' method, there is a call to 'Schema::create()' to create a table named 'clientes'. The table has four columns: 'id' (integer, primary key), 'timestamps' (timestamp), 'nome' (string, 60 characters), and 'endereco' (string, 60 characters). The 'debido' column is also present but not explicitly defined in the snippet shown. The status bar at the bottom indicates the current line and column (Ln 19, Col 29) and the file encoding (UTF-8).

```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class CreateClientesTable extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('clientes', function (Blueprint $table) {
17             $table->id();
18             $table->timestamps();
19             $table->string('nome',60);
20             $table->string('endereco',60);
21             $table->float('debido');
22         });
23     }
24
25     /**
26      * Reverse the migrations.
```



Migrando tabelas:
php artisan migrate
php artisan migrate:status (ver o status das migrações)

```
root@6a5705a7182b: /var/www/projeto3

Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (188.79ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (153.64ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (73.85ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (130.39ms)
root@6a5705a7182b:/var/www/projeto3# php artisan make:migration create_clientes_table
Created Migration: 2021_10_09_002658_create_clientes_table
root@6a5705a7182b:/var/www/projeto3# php artisan make:migration create_fornecedor_table
Created Migration: 2021_10_09_003124_create_fornecedor_table
root@6a5705a7182b:/var/www/projeto3# php artisan migrate:status
+-----+-----+-----+
| Ran? | Migration | Batch |
+-----+-----+-----+
| Yes | 2014_10_12_000000_create_users_table | 1 |
| Yes | 2014_10_12_100000_create_password_resets_table | 1 |
| Yes | 2019_08_19_000000_create_failed_jobs_table | 1 |
| Yes | 2019_12_14_000001_create_personal_access_tokens_table | 1 |
| No | 2021_10_09_002658_create_clientes_table | |
| No | 2021_10_09_003124_create_fornecedor_table | |
+-----+-----+-----+
root@6a5705a7182b:/var/www/projeto3# php artisan migrate
Migrating: 2021_10_09_002658_create_clientes_table
Migrated: 2021_10_09_002658_create_clientes_table (983.85ms)
Migrating: 2021_10_09_003124_create_fornecedor_table
Migrated: 2021_10_09_003124_create_fornecedor_table (352.45ms)
root@6a5705a7182b:/var/www/projeto3# php artisan make:model Cliente
Model created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:controller ClienteController
Controller created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:model Fornecedor
```


Manual de configu x Installation - La x Laravel x localhost:8081 x localhost/projeto3 x Target class [Ap x localhost/projeto2 x

localhost:8081/index.php?route=/table/structure&db=projeto3&table=fornecedor

phpMyAdmin

Recente Favoritos

Novo

default

information_schema

mysql

performance_schema

projeto

projeto2

projeto3

Nova

clientes

failed_jobs

fornecedor

migrations

password_resets

personal_access_to

users

sys

Servidor: mysql > Banco de dados: projeto3 > Tabela: fornecedor

Visualizar Estrutura SQL Procurar Inserir Exportar Importar Privilégios Operações Mais

Estrutura da tabela Visão de relação(ões)

#	Nome	Tipo	Colaço	Atributos	Nulo	Padr	Comentários	Extra	Ação
<input type="checkbox"/>	1 id	bigint		UNSIGNED	N	Nenhum		AUTO_INCREMENT	Alterar Eliminar Mais
<input type="checkbox"/>	2 created_at	timestamp			S	NULL			Alterar Eliminar Mais
<input type="checkbox"/>	3 updated_at	timestamp			S	NULL			Alterar Eliminar Mais
<input type="checkbox"/>	4 nomeFornecedor	varchar(60)	utf8mb4_unicode_ci		N	Nenhum			Alterar Eliminar Mais
<input type="checkbox"/>	5 enderecoFornecedor	varchar(60)	utf8mb4_unicode_ci		N	Nenhum			Alterar Eliminar Mais
<input type="checkbox"/>	6 email	double			N	Nenhum			Alterar Eliminar Mais

☐ Marcar todos Com marcados: Visualizar Alterar Eliminar Primária Único Índice Espacial

Texto completo

Imprimir Mover campo(s) Normalizar

Adicionar 1 campo(s) após email Executar

índices Console

Criando model Cliente e Fornecedor:
php artisan make:model Cliente
php artisan make:model Fornecedor

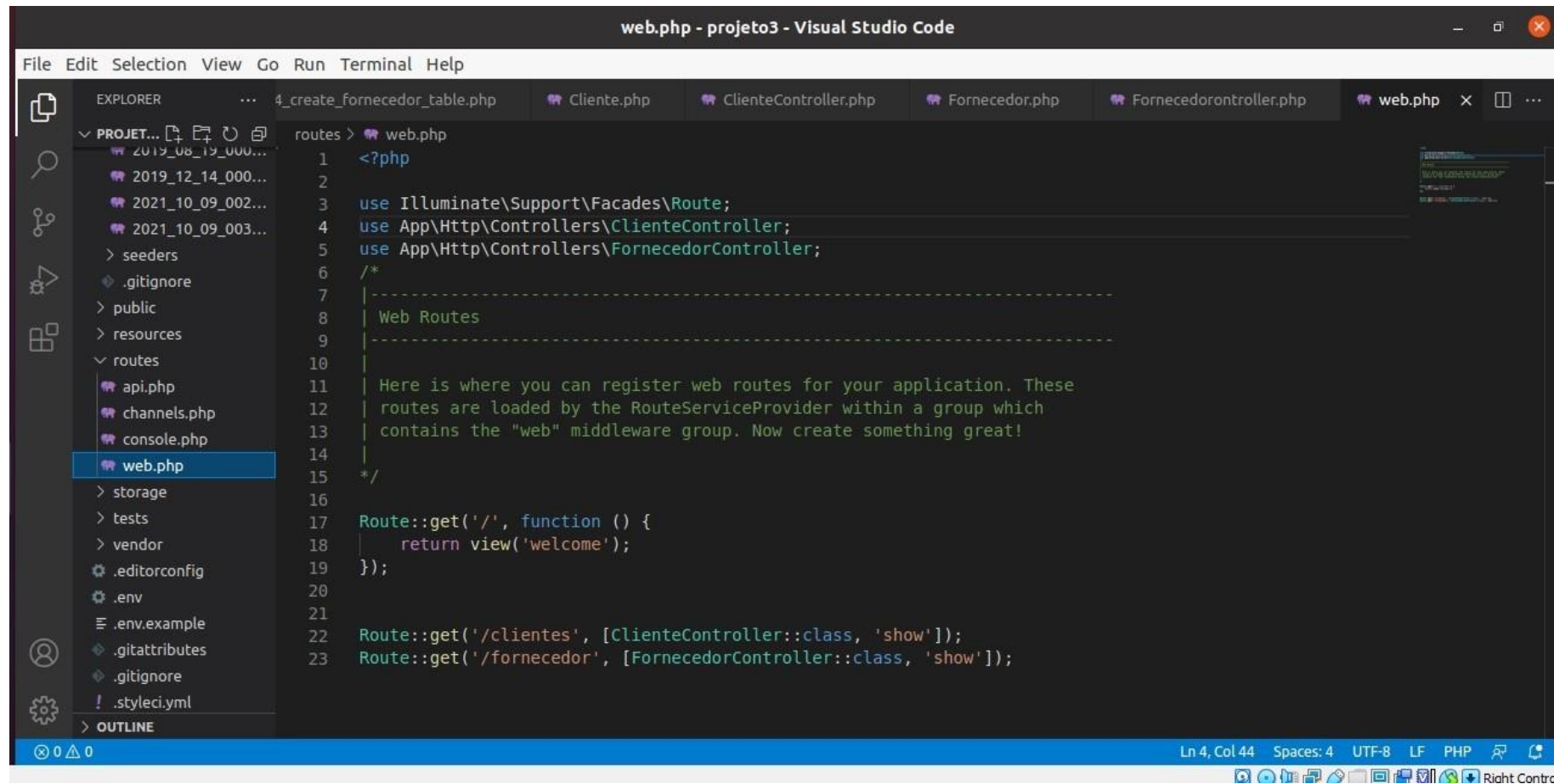
```
root@6a5705a7182b:/var/www/projeto3# php artisan migrate:status
+-----+-----+-----+
| Ran? | Migration                                          | Batch |
+-----+-----+-----+
| Yes  | 2014_10_12_000000_create_users_table              | 1      |
| Yes  | 2014_10_12_100000_create_password_resets_table    | 1      |
| Yes  | 2019_08_19_000000_create_failed_jobs_table        | 1      |
| Yes  | 2019_12_14_000001_create_personal_access_tokens_table | 1      |
| No   | 2021_10_09_002658_create_clientes_table           |         |
| No   | 2021_10_09_003124_create_fornecedores_table       |         |
+-----+-----+-----+

root@6a5705a7182b:/var/www/projeto3# php artisan migrate
Migrating: 2021_10_09_002658_create_clientes_table
Migrated:  2021_10_09_002658_create_clientes_table (983.85ms)
Migrating: 2021_10_09_003124_create_fornecedores_table
Migrated:  2021_10_09_003124_create_fornecedores_table (352.45ms)
root@6a5705a7182b:/var/www/projeto3# php artisan make:model Cliente
Model created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:controller ClienteController
Controller created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:model Fornecedor
Model created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:controller FornecedorController
Controller created successfully.
root@6a5705a7182b:/var/www/projeto3#
```

Criando Controller Cliente e Fornecedor:
php artisan make:controller ClienteController
php artisan make:controller FornecedorController

```
root@6a5705a7182b:/var/www/projeto3# php artisan migrate
Migrating: 2021_10_09_002658_create_clientes_table
Migrated: 2021_10_09_002658_create_clientes_table (983.85ms)
Migrating: 2021_10_09_003124_create_fornecedor_table
Migrated: 2021_10_09_003124_create_fornecedor_table (352.45ms)
root@6a5705a7182b:/var/www/projeto3# php artisan make:model Cliente
Model created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:controller ClienteController
Controller created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:model Fornecedor
Model created successfully.
root@6a5705a7182b:/var/www/projeto3# php artisan make:controller FornecedorController
Controller created successfully.
root@6a5705a7182b:/var/www/projeto3#
```

Configuração web:



The screenshot shows the Visual Studio Code interface with the file explorer on the left and the code editor in the center. The file explorer shows a project structure with a 'routes' directory containing 'web.php'. The code editor displays the content of 'web.php', which is a PHP file for configuring web routes. The code includes comments and PHP code for defining routes.

```
web.php - projeto3 - Visual Studio Code
File Edit Selection View Go Run Terminal Help

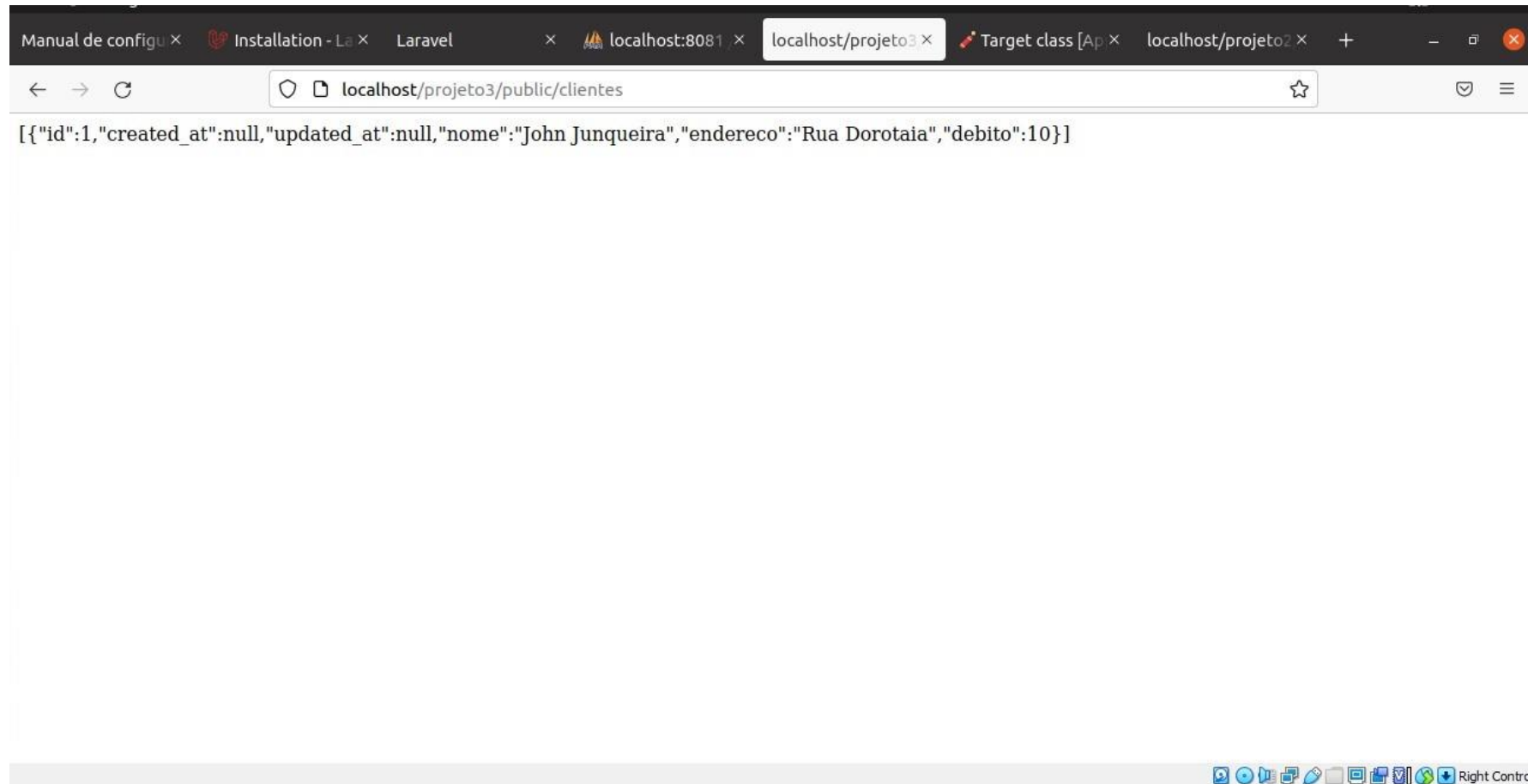
EXPLORER
PROJECT...
2019_08_19_000...
2019_12_14_000...
2021_10_09_002...
2021_10_09_003...
> seeders
> .gitignore
> public
> resources
> routes
  api.php
  channels.php
  console.php
  web.php
  storage
  tests
  vendor
  .editorconfig
  .env
  .env.example
  .gitattributes
  .gitignore
  .styleci.yml
> OUTLINE

routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\ClienteController;
5  use App\Http\Controllers\FornecedorController;
6  /*
7  |-----
8  | Web Routes
9  |-----
10 |
11 | Here is where you can register web routes for your application. These
12 | routes are loaded by the RouteServiceProvider within a group which
13 | contains the "web" middleware group. Now create something great!
14 |
15 */
16
17 Route::get('/', function () {
18     return view('welcome');
19 });
20
21
22 Route::get('/clientes', [ClienteController::class, 'show']);
23 Route::get('/fornecedor', [FornecedorController::class, 'show']);
```

Ln 4, Col 44 Spaces: 4 UTF-8 LF PHP Right Control

No localhost:

Clientes:



Fornecedores:

