

Aluno: Ismael Amorim Luduvico

Disciplina: Laboratório de Programação WEB 2

Professor: Fábio Lima

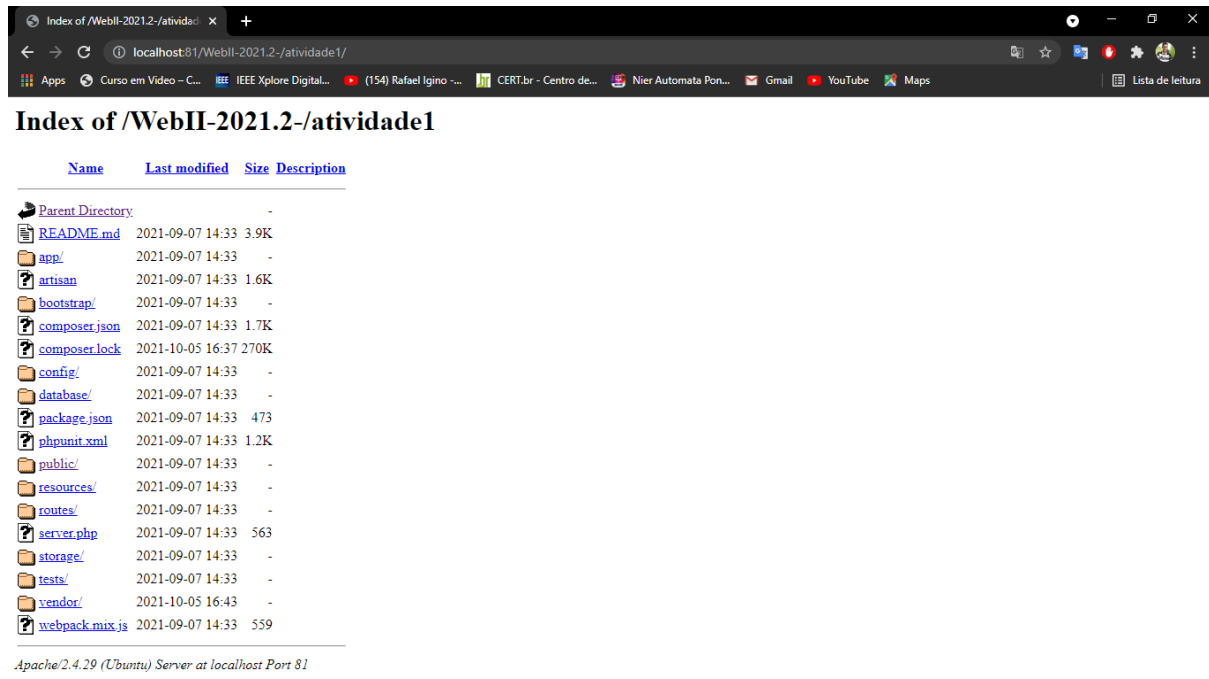
Data: 05/10/2021

Executando o workspace e criando o projeto web:

```
root@36eed527266a:/var/www/WebII-2021.2/atividade1#
- Installing sebastian/environment (5.1.3): Extracting archive
- Installing sebastian/diff (4.0.4): Extracting archive
- Installing sebastian/comparator (4.0.6): Extracting archive
- Installing sebastian/code-unit (1.0.8): Extracting archive
- Installing sebastian/cli-parser (1.0.1): Extracting archive
- Installing phpunit/php-timer (5.0.3): Extracting archive
- Installing phpunit/php-text-template (2.0.4): Extracting archive
- Installing phpunit/php-invoker (3.1.1): Extracting archive
- 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.
% 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@36eed527266a:/var/www/WebII-2021.2-# ls
atividade1 README.md
root@36eed527266a:/var/www/WebII-2021.2-# cd atividade1
root@36eed527266a:/var/www/WebII-2021.2-atividade1# ls
app bootstrap composer.lock database phpunit.xml README.md routes storage vendor
artisan composer.json config package.json public resources server.php tests webpack.mix.js
root@36eed527266a:/var/www/WebII-2021.2-atividade1#
```

```
root@36eed527266a:/var/www/WebII-2021.2-#
C:\Users\GABRIEL\Documents\Projetos>cd laradock
C:\Users\GABRIEL\Documents\Projetos\laradock>docker-compose exec workspace bash
root@36eed527266a:/var/www# pwd
/var/www
root@36eed527266a:/var/www# ls
laradock WebII-2021.2
root@36eed527266a:/var/www# cd WebII-2021.2-
root@36eed527266a:/var/www/WebII-2021.2-# composer create-project laravel/laravel atividade1
Creating a "laravel/laravel" project at "../atividade1"
Installing laravel/laravel (v8.6.2)
- Downloading laravel/laravel (v8.6.2)
- Downloading laravel/laravel (v8.6.2)
- Installing laravel/laravel (v8.6.2): Extracting archive
Created project in /var/www/WebII-2021.2-atividade1
> @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/inflexor (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 (2.14.0)
- Locking facade/ignition-contracts (1.0.2)
- Locking fakerphp/faker (v1.16.0)
- Locking filp/whoops (2.14.4)
- Locking fruitcake/laravel-cors (v2.0.4)
- Locking graham-campbell/result-type (v1.0.2)
- Locking guzzlehttp/guzzle (7.3.0)
- Locking guzzlehttp/promises (1.4.1)
- Locking guzzlehttp/psr7 (2.0.0)
- Locking hamcrest/hamcrest-php (v2.0.1)
- Locking laravel/framework (v8.62.0)
- Locking laravel/sail (v1.11.0)
- Locking laravel/sanctum (v2.11.2)
- Locking laravel/serializable-closure (v1.0.2)
- Locking laravel/tinker (v2.6.2)
- Locking league/commonmark (1.6.6)
- Locking league/flysystem (1.1.5)
- Locking league/mime-type-detection (1.8.0)
```

Projeto sendo mostrado no localhost:



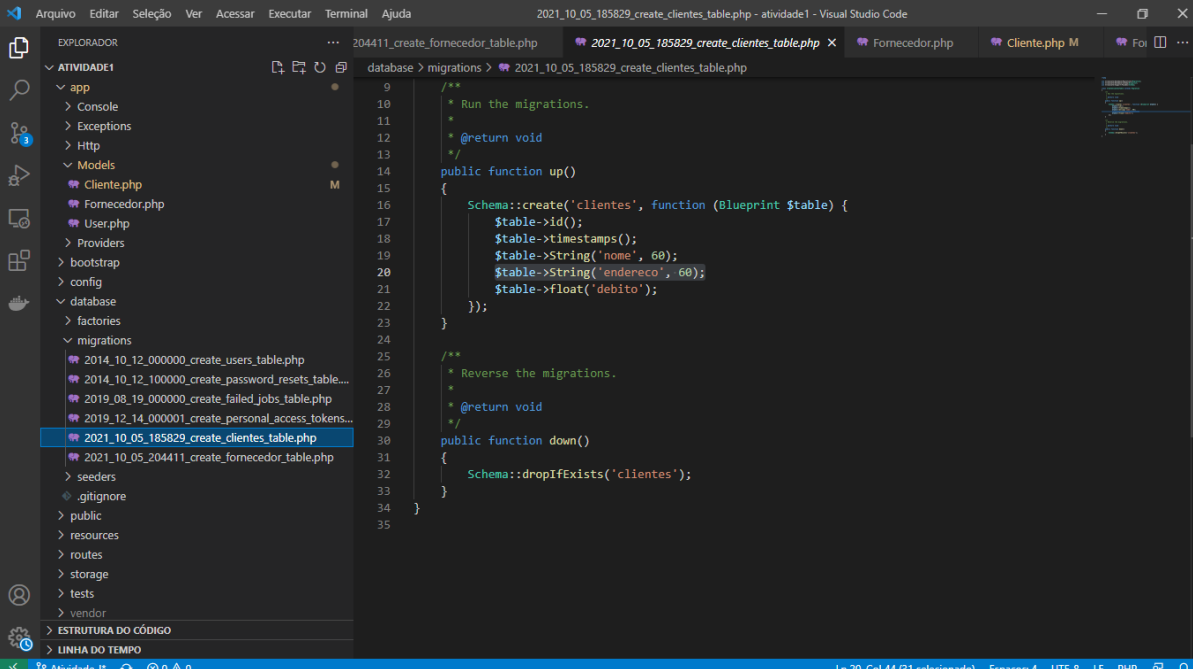
Migração do banco de dados e gerando as chaves e link com os comandos abaixo:

```
$ php artisan migrate  
$php artisan key:generate  
$php artisan storage:link
```

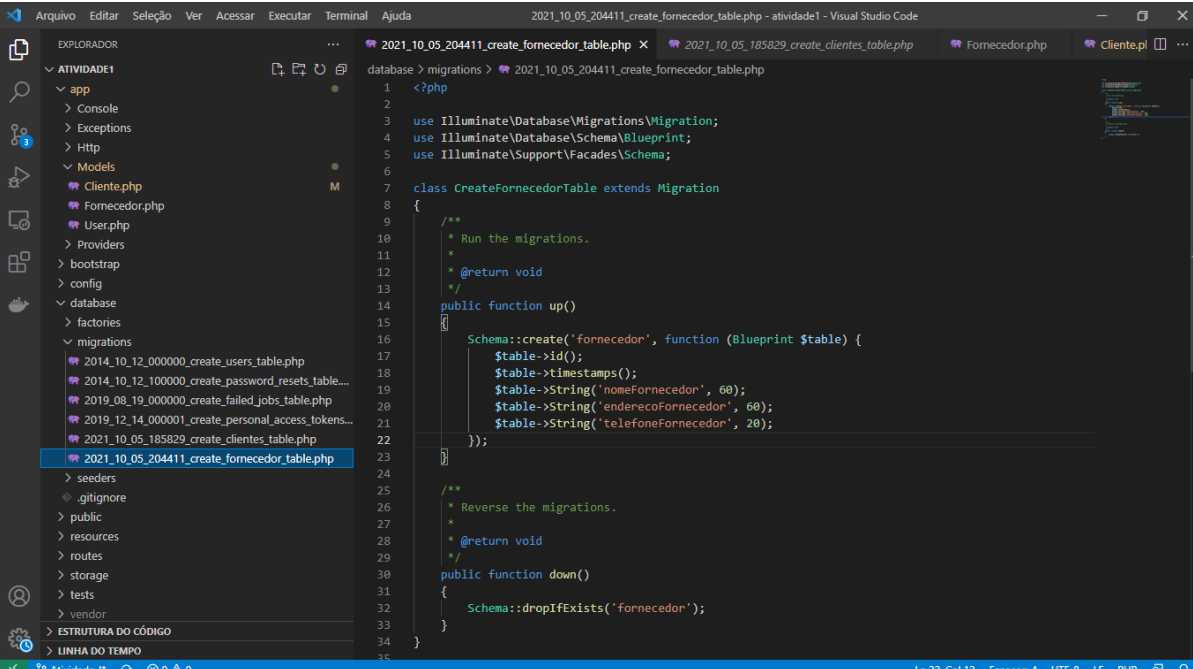
Criando uma tabela clientes e fornecedores:

```
$php artisan make:migration create_clientes_table  
$php artisan make:migration create_fornecedor_table
```

Colocar os campos nas tabelas clientes e Fornecedores:



```
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('debito');
22      });
23  }
24
25  /**
26   * Reverse the migrations.
27   *
28   * @return void
29   */
30  public function down()
31  {
32      Schema::dropIfExists('clientes');
33  }
34  }
```



```
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  class CreateFornecedorTable extends Migration
8  {
9      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14      public function up()
15      {
16          Schema::create('fornecedor', function (Blueprint $table) {
17              $table->id();
18              $table->timestamps();
19              $table->string('nomeFornecedor', 60);
20              $table->string('endereçoFornecedor', 60);
21              $table->string('telefoneFornecedor', 20);
22          });
23      }
24
25      /**
26       * Reverse the migrations.
27       *
28       * @return void
29       */
30      public function down()
31      {
32          Schema::dropIfExists('fornecedor');
33      }
34  }
```

Migrando tabelas:

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

php artisan migrate

```
root@0591bf4bbe28: /var/www/WebII-2021.2-/atividade1# 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 |
| Yes | 2021_10_05_185829_create_clientes_table | 2 |
| Yes | 2021_10_05_204411_create_fornecedor_table | 3 |
+-----+-----+-----+
root@0591bf4bbe28: /var/www/WebII-2021.2-/atividade1#
```

localhost:8081 / mysql / projeto

localhost:8081/index.php?route=/table/structure&server=1&db=projeto&table=clientes

phpMyAdmin

Recente Favoritos

- Novo
- default
- information_schema
- mysql
- performance_schema
- projeto
 - Nova
 - clientes
 - failed_jobs
 - fornecedor
 - migrations
 - password_resets
 - personal_access_tokens
 - users
- sys

Servidor: mysql Banco de dados: projeto Tabela: clientes

Procurar Estrutura SQL Pesquisar Inserir Exportar Importar Privilegios Operacoes Acionadores

Estrutura da tabela Visão de relação(ões)

#	Nome	Tipo	Agrupamento (Collation)	Atributos	Nulo	Predefinido	Comentários	Extra	Ações
1	id	bigint(20)		UNSIGNED	Não	Nenhum		AUTO_INCREMENT	Muda Elimina Mais
2	created_at	timestamp			Sim	NULL			Muda Elimina Mais
3	updated_at	timestamp			Sim	NULL			Muda Elimina Mais
4	nome	varchar(60)	utf8mb4_unicode_ci		Não	Nenhum			Muda Elimina Mais
5	endereco	varchar(60)	utf8mb4_unicode_ci		Não	Nenhum			Muda Elimina Mais
6	debito	double(8,2)			Não	Nenhum			Muda Elimina Mais

Marcar todos Com os seleccionados: Procurar Muda Elimina Primária Único Índice Espacial

Texto Completo

Imprimir Propor uma estrutura de tabela Mover campo(s) Normalizar

Adicionar 1 campo(s) após debito Executar

Índices

Ações	Nome da chave	Tipo	Único	Pacote	Coluna	Quantidade	Agrupamento (Collation)	Nulo	Comentário
Edita Renomear Elimina	PRIMARY	BTREE	Sim	Não	id	2	A	Não	

Criar um índice em 1 colunas Executar

Consola

localhost:8081 / mysql / projeto

localhost:8081/index.php?route=/table/structure&server=1&db=projeto&table=fornecedor

phpMyAdmin

Recente Favoritos

- Novo
- default
- information_schema
- mysql
- performance_schema
- projeto
 - Nova
 - clientes
 - failed_jobs
 - fornecedor
 - migrations
 - password_resets
 - personal_access_tokens
 - users
- sys

Servidor: mysql Banco de dados: projeto Tabela: fornecedor

Procurar Estrutura SQL Pesquisar Inserir Exportar Importar Privilegios Operacoes Acionadores

Estrutura da tabela Visão de relação(ões)

#	Nome	Tipo	Agrupamento (Collation)	Atributos	Nulo	Predefinido	Comentários	Extra	Ações
1	id	bigint(20)		UNSIGNED	Não	Nenhum		AUTO_INCREMENT	Muda Elimina Mais
2	created_at	timestamp			Sim	NULL			Muda Elimina Mais
3	updated_at	timestamp			Sim	NULL			Muda Elimina Mais
4	nomeFornecedor	varchar(60)	utf8mb4_unicode_ci		Não	Nenhum			Muda Elimina Mais
5	enderecoFornecedor	varchar(60)	utf8mb4_unicode_ci		Não	Nenhum			Muda Elimina Mais
6	telefoneFornecedor	varchar(20)	utf8mb4_unicode_ci		Não	Nenhum			Muda Elimina Mais

Marcar todos Com os seleccionados: Procurar Muda Elimina Primária Único Índice Espacial

Texto Completo

Imprimir Propor uma estrutura de tabela Mover campo(s) Normalizar

Adicionar 1 campo(s) após telefoneFornecedor Executar

Índices

Ações	Nome da chave	Tipo	Único	Pacote	Coluna	Quantidade	Agrupamento (Collation)	Nulo	Comentário
Edita Renomear Elimina	PRIMARY	BTREE	Sim	Não	id	0	A	Não	

Criar um índice em 1 colunas Executar

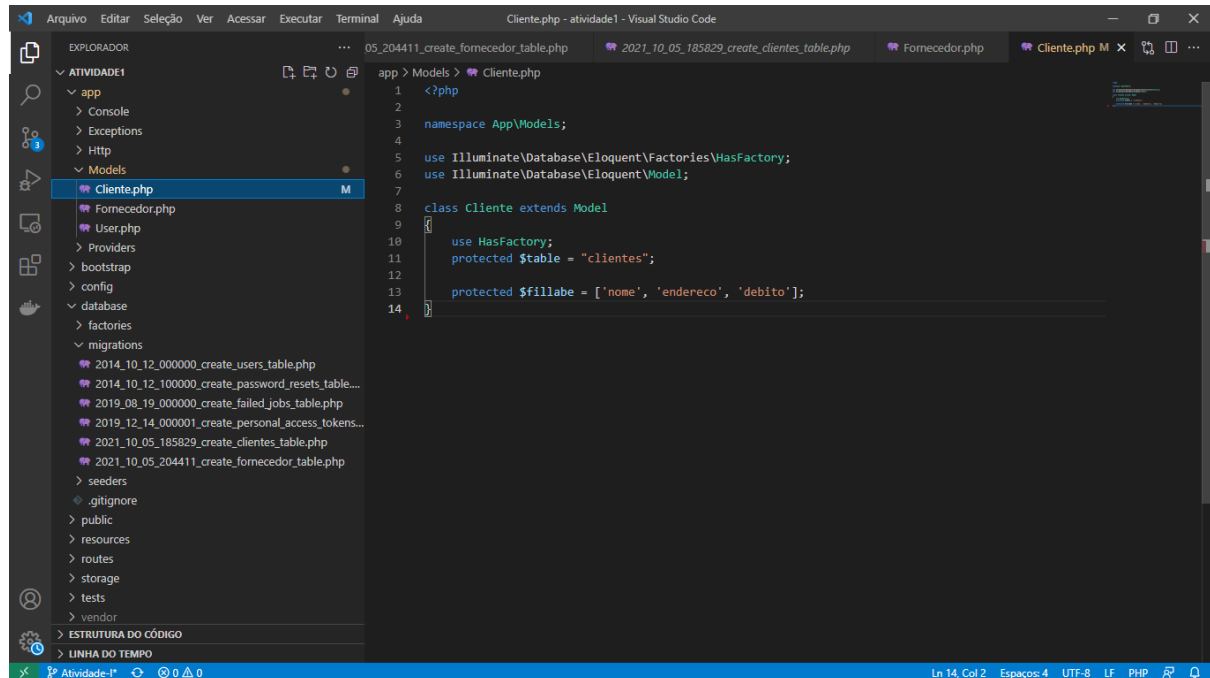
Consola

Criando model Cliente e Fornecedor:

\$php artisan make:model Cliente

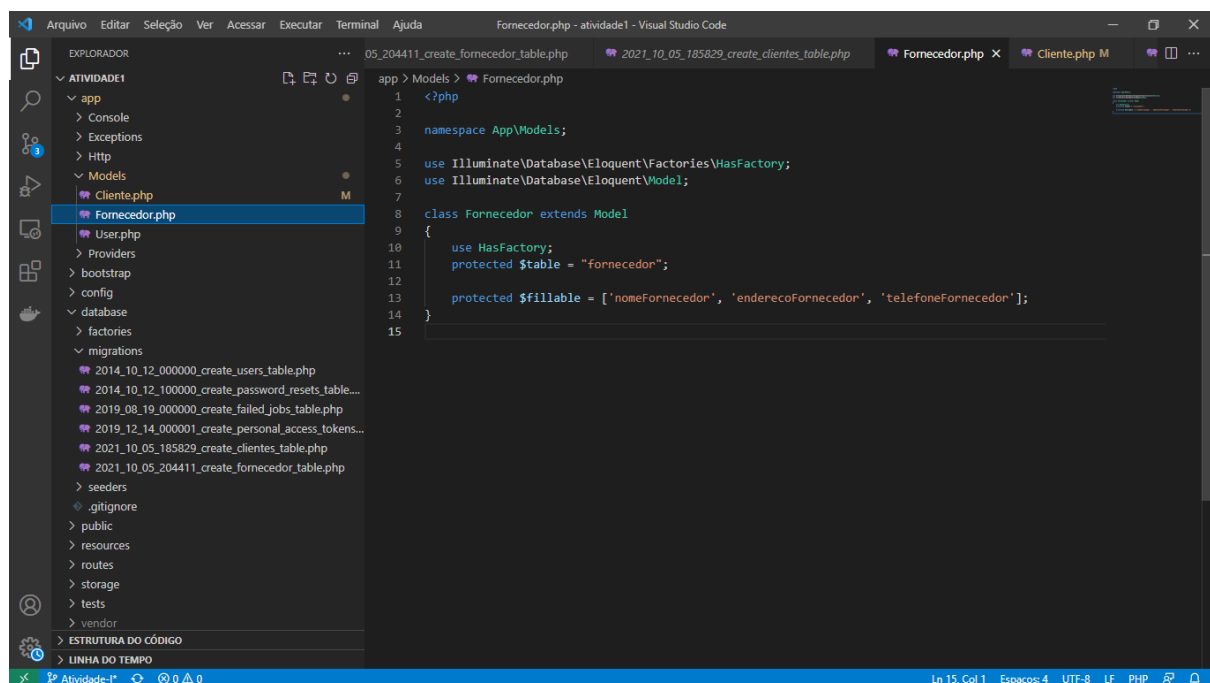
\$php artisan make:model Fornecedor

E depois que o model Cliente e Fornecedor pode-se modificar em um editor de texto:



The screenshot shows the Visual Studio Code interface with the 'Cliente.php' file open in the editor. The file is located in the 'app > Models' directory. The code defines a 'Cliente' class that extends 'Model' and uses 'HasFactory'. The table name is set to 'clientes' and the fillable attributes are 'nome', 'endereco', and 'debito'.

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Cliente extends Model
9 {
10     use HasFactory;
11     protected $table = "clientes";
12
13     protected $fillable = ['nome', 'endereco', 'debito'];
14 }
```



The screenshot shows the Visual Studio Code interface with the 'Fornecedor.php' file open in the editor. The file is located in the 'app > Models' directory. The code defines a 'Fornecedor' class that extends 'Model' and uses 'HasFactory'. The table name is set to 'fornecedor' and the fillable attributes are 'nomeFornecedor', 'enderecoFornecedor', and 'telefoneFornecedor'.

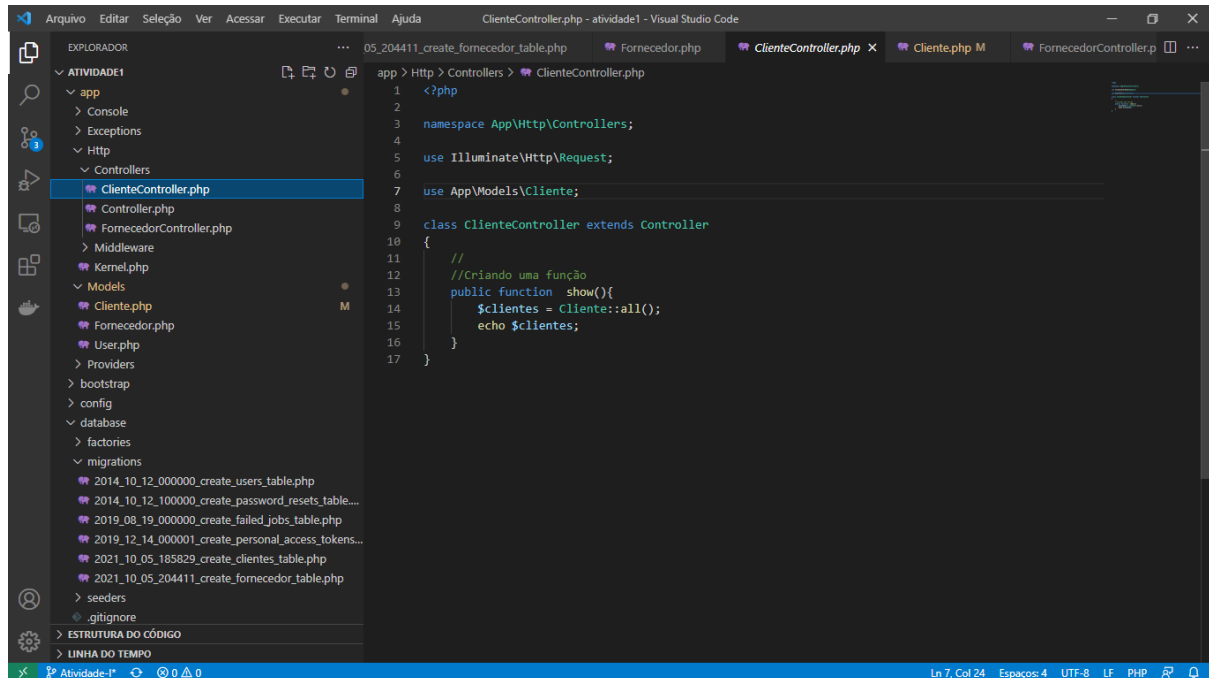
```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Fornecedor extends Model
9 {
10     use HasFactory;
11     protected $table = "fornecedor";
12
13     protected $fillable = ['nomeFornecedor', 'enderecoFornecedor', 'telefoneFornecedor'];
14 }
15
```

Criando Controller Cliente e Fornecedor:

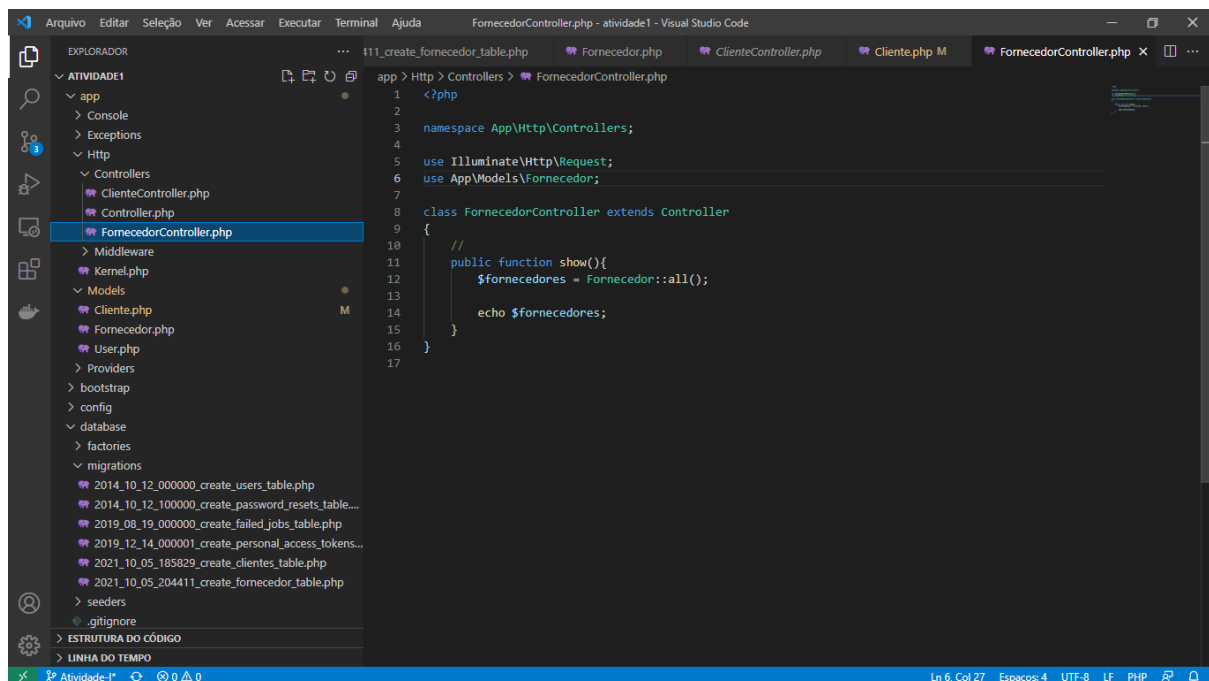
\$php artisan make:controller ClienteController

\$php artisan make:controller FornecedorController

E depois que o Controller Cliente e Fornecedor pode-se modificar em um editor de texto:

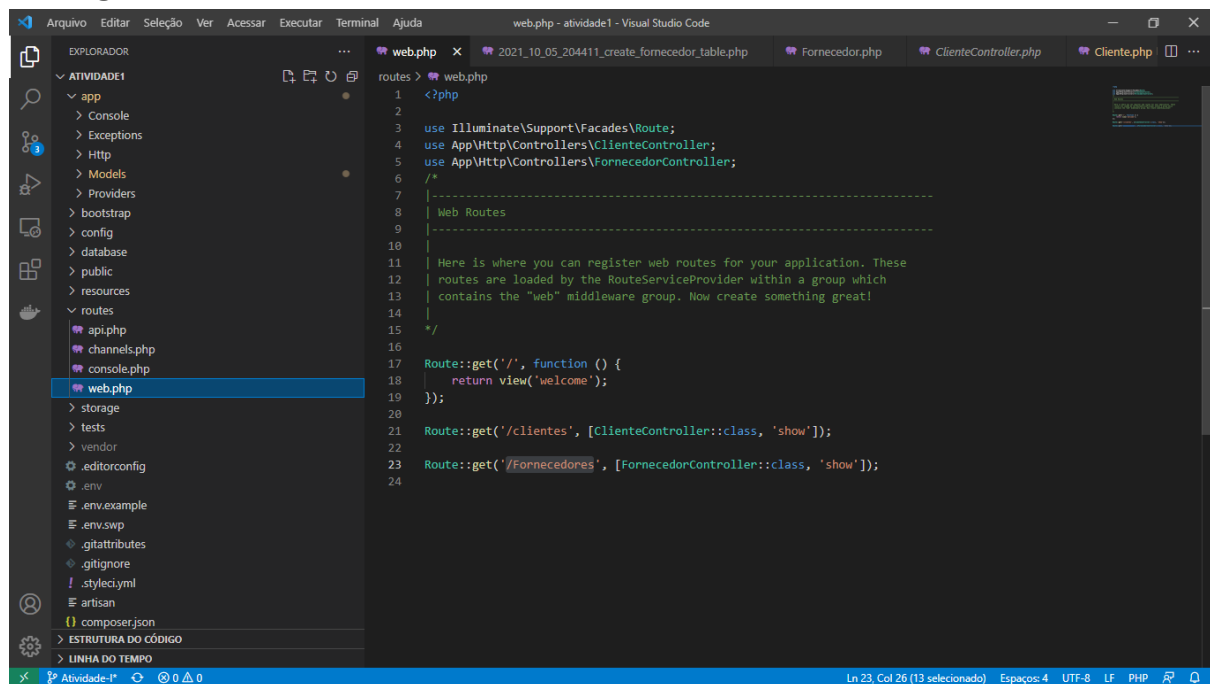


```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 use App\Models\Cliente;
8
9 class ClienteController extends Controller
10 {
11     //
12     //Criando uma função
13     public function show(){
14         $clientes = cliente::all();
15         echo $clientes;
16     }
17 }
```



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use App\Models\Fornecedor;
7
8 class FornecedorController extends Controller
9 {
10     //
11     public function show(){
12         $fornecedores = Fornecedor::all();
13         echo $fornecedores;
14     }
15 }
16
17 }
```

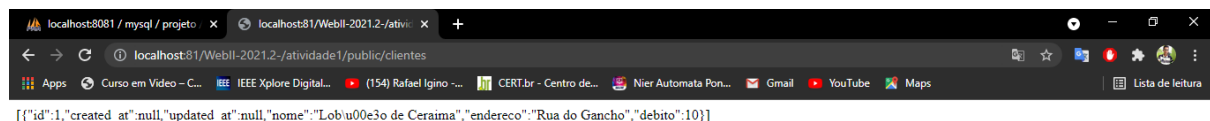
Configuração web:



The screenshot shows the Visual Studio Code editor with the 'web.php' file open. The file contains the following code:

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

No localhost: cliente:



The screenshot shows a web browser window with the address bar displaying 'localhost:81/Webl-2021.2/-atividade1/public/clientes'. The browser shows a JSON response from a REST client:

```
[{"id":1,"created_at":null,"updated_at":null,"nome":"Lob u00e3o de Ceraima","endereco":"Rua do Gancho","debito":10}]
```


fornecedor:

