

Projeto Teste de Seleção ContabExpress

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PROCEDIMENTOS INICIAIS

Como procedimento preliminar, segue a verificação dos requisitos informados para execução do projeto.

Verificação dos requisitos

Os requisitos solicitados foram:

- Versão do PHP: 7.3;
- Versão do Banco de Dados MySQL 5.7;

Inicializando a máquina binária

```
MINGW64:/c:/Users/Paulo Adolpho/OneDrive/Área de Trabalho/projetos/laradock

Paulo Adolpho@DESKTOP-EG6J7NU MINGW64 ~/OneDrive/Área de Trabalho
$ cd projetos/laradock

Paulo Adolpho@DESKTOP-EG6J7NU MINGW64 ~/OneDrive/Área de Trabalho/projetos/laradock (master)
$ docker-compose up -d apache2 mysql
Starting laradock_docker-in-docker_1 ... done
Starting laradock_mysql_1           ... done
Starting laradock_workspace_1       ... done
Starting laradock_php-fpm_1         ... done
Starting laradock_apache2_1         ... done

Paulo Adolpho@DESKTOP-EG6J7NU MINGW64 ~/OneDrive/Área de Trabalho/projetos/laradock (master)
$ |
```

Instalação do Framework

Para a instalação do framework optou-se pela instalação do esqueleto base, onde instalaremos somente os componentes necessários para o projeto.

composer create-project symfony/skeleton crudsym

```

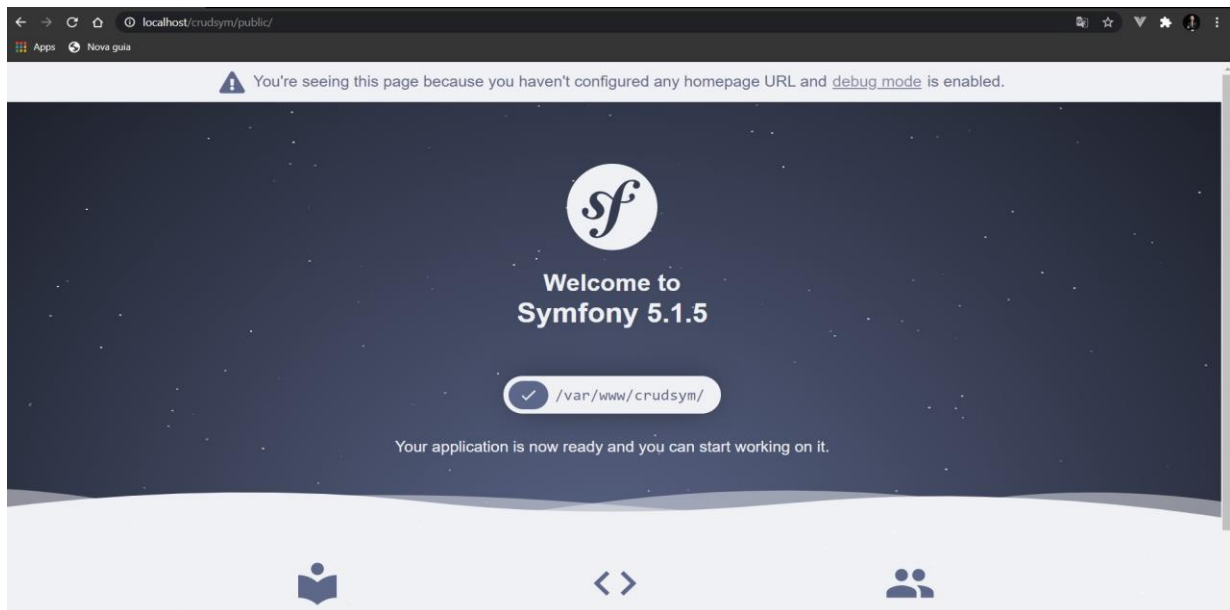
root@8774d0dae6b3:/var/www#
root@8774d0dae6b3:/var/www# composer create-project symfony/skeleton crudsym
Creating a "symfony/skeleton" project at "./crudsym"
Installing symfony/skeleton (v5.1.99)
- Installing symfony/skeleton (v5.1.99): Downloading (100%)
Created project in /var/www/crudsym
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
- Installing symfony/flex (v1.9.4): Loading from cache

Symfony operations: 1 recipe (72561bda257c347563dfbed73077a75b)
- Configuring symfony/flex (>=1.0): From github.com/symfony/recipes:master
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in "symfony/symfony" to "5.1.*"
Package operations: 30 installs, 0 updates, 0 removals
- Installing symfony/polyfill-php80 (v1.18.1): Loading from cache
- Installing symfony/polyfill-mbstring (v1.18.1): Loading from cache
- Installing symfony/polyfill-intl-normalizer (v1.18.1): Loading from cache
- Installing symfony/polyfill-intl-grapheme (v1.18.1): Loading from cache
- Installing symfony/string (v5.1.5): Loading from cache
- Installing psr/container (1.0.0): Loading from cache
- Installing symfony/service-contracts (v2.2.0): Loading from cache
- Installing symfony/polyfill-php73 (v1.18.1): Loading from cache
- Installing symfony/console (v5.1.5): Loading from cache
- Installing symfony/deprecation-contracts (v2.2.0): Loading from cache
- Installing symfony/dotenv (v5.1.5): Loading from cache
- Installing symfony/routing (v5.1.5): Loading from cache
- Installing symfony/finder (v5.1.5): Loading from cache
- Installing symfony/filesystem (v5.1.5): Loading from cache
- Installing psr/log (1.1.3): Loading from cache
- Installing symfony/http-foundation (v5.1.5): Loading from cache
- Installing psr/event-dispatcher (1.0.0): Loading from cache
- Installing symfony/event-dispatcher-contracts (v2.2.0): Loading from cache
- Installing symfony/event-dispatcher (v5.1.5): Loading from cache
- Installing symfony/var-dumper (v5.1.5): Loading from cache
- Installing symfony/error-handler (v5.1.5): Loading from cache
- Installing symfony/http-kernel (v5.1.5): Loading from cache
- Installing symfony/dependency-injection (v5.1.5): Loading from cache
- Installing symfony/config (v5.1.5): Loading from cache
- Installing symfony/var-exporter (v5.1.5): Loading from cache
- Installing psr/cache (1.0.1): Loading from cache
- Installing symfony/cache-contracts (v2.2.0): Loading from cache
- Installing symfony/cache (v5.1.5): Loading from cache
- Installing symfony/framework-bundle (v5.1.5): Loading from cache
- Installing symfony/yaml (v5.1.5): Loading from cache
Writing lock file
Generating optimized autoload files
27 packages you are using are looking for funding.
Use the `composer fund` command to find out more!

```

Execução via Server Apache

Para a execução do projeto no servidor Apache foi necessário somente dar as permissões necessárias ao projeto.



PACOTES NECESSÁRIOS

Os pacotes necessários para execução do projeto foram instalados com os seguintes comandos:

- **Rotas:** *composer require annotations.*

```
root@8774d0dae6b3: /var/www/crudsym
root@8774d0dae6b3:/var/www# cd crudsym
root@8774d0dae6b3:/var/www/crudsym# composer require annotations
Using version ^5.6 for sensio/framework-extra-bundle
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in "symfony/symfony" to "5.1.*"
Package operations: 3 installs, 0 updates, 0 removals
  - Installing doctrine/lexer (1.2.1): Loading from cache
  - Installing doctrine/annotations (1.10.4): Loading from cache
  - Installing sensio/framework-extra-bundle (v5.6.1): Loading from cache
Writing lock file
Generating optimized autoload files
28 packages you are using are looking for funding.
Use the `composer fund` command to find out more!

Symfony operations: 2 recipes (787bff01a8cca64a63b34edf14c537c0)
  - Configuring doctrine/annotations (>=1.0): From github.com/symfony/recipes:master
  - Configuring sensio/framework-extra-bundle (>=5.2): From github.com/symfony/recipes:master
Executing script cache:clear [OK]
Executing script assets:install public [OK]

Some files may have been created or updated to configure your new packages.
Please review, edit and commit them: these files are yours.

Nothing to unpack
root@8774d0dae6b3:/var/www/crudsym#
```

- **Template:** *composer require twig.*

```

root@8774d0dae6b3:/var/www/crudsym# composer require twig
Using version ^1.0 for symfony/twig-pack
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in "symfony/symfony" to "5.1.*"
Package operations: 6 installs, 0 updates, 0 removals
  - Installing twig/twig (v3.0.5): Loading from cache
  - Installing symfony/translation-contracts (v2.2.0): Loading from cache
  - Installing symfony/twig-bridge (v5.1.5): Loading from cache
  - Installing symfony/twig-bundle (v5.1.5): Loading from cache
  - Installing twig/extra-bundle (v3.0.5): Loading from cache
  - Installing symfony/twig-pack (v1.0.0): Loading from cache
Writing lock file
Generating optimized autoload files
33 packages you are using are looking for funding.
Use the `composer fund` command to find out more!

Symfony operations: 2 recipes (87e629a3ce734184980ea653d442fd75)
  - Configuring symfony/twig-bundle (>=5.0): From github.com/symfony/recipes:master
  - Configuring twig/extra-bundle (>=v3.0.5): From auto-generated recipe
Executing script cache:clear [OK]
Executing script assets:install public [OK]

Some files may have been created or updated to configure your new packages.
Please review, edit and commit them: these files are yours.

Unpacked symfony/twig-pack dependencies
Loading composer repositories with package information
Installing dependencies (including require-dev) from lock file
Package operations: 0 installs, 0 updates, 1 removal
  - Removing symfony/twig-pack (v1.0.0)
33 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
root@8774d0dae6b3:/var/www/crudsym#

```

- Manipulação do Banco de Dados: *composer require symfony/orm-pack*.


```

root@8774d0dae6b3:/var/www/crudsym#
root@8774d0dae6b3:/var/www/crudsym# composer require symfony/orm-pack
Using version ^2.0 for symfony/orm-pack
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in 'symfony/symfony' to '5.1.*'
Package operations: 21 installs, 0 updates, 0 removals
  - Installing composer/package-versions-deprecated (1.11.99): Loading from cache
  - Installing zendframework/zend-eventmanager (3.2.1): Loading from cache
  - Installing zendframework/zend-code (3.4.1): Loading from cache
  - Installing ocradius/proxy-manager (2.2.3): Loading from cache
  - Installing doctrine/event-manager (1.1.1): Loading from cache
  - Installing doctrine/cache (1.10.2): Loading from cache
  - Installing doctrine/dbal (2.11.0): Loading from cache
  - Installing doctrine/reflection (1.2.1): Loading from cache
  - Installing doctrine/collections (1.6.7): Loading from cache
  - Installing doctrine/inflector (1.4.3): Loading from cache
  - Installing symfony/stopwatch (v5.1.5): Loading from cache
  - Installing doctrine/migrations (3.0.1): Loading from cache
  - Installing doctrine/persistence (2.0.0): Loading from cache
  - Installing symfony/doctrine-bridge (v5.1.5): Loading from cache
  - Installing doctrine/sql-formatter (1.1.1): Loading from cache
  - Installing doctrine/doctrine-bundle (2.1.2): Loading from cache
  - Installing doctrine/doctrine-migrations-bundle (3.0.1): Loading from cache
  - Installing doctrine/instantiator (1.3.1): Loading from cache
  - Installing doctrine/common (3.0.2): Loading from cache
  - Installing doctrine/orm (v2.7.3): Loading from cache
  - Installing symfony/orm-pack (v2.0.0): Loading from cache
Package zendframework/zend-eventmanager is abandoned, you should avoid using it. Use laminas/laminas-eventmanager instead.
Package zendframework/zend-code is abandoned, you should avoid using it. Use laminas/laminas-code instead.
Writing lock file
Generating optimized autoload files
composer/package-versions-deprecated: Generating version class...
composer/package-versions-deprecated: ...done generating version class
48 packages you are using are looking for funding.
Use the `composer fund` command to find out more!

Symfony operations: 2 recipes (721016029faa7a1d119566b9386c0958)
  - Configuring doctrine/doctrine-bundle (>=2.0): From github.com/symfony/recipes:master
  - Configuring doctrine/doctrine-migrations-bundle (>=2.2): From github.com/symfony/recipes:master
Executing script cache:clear [OK]
Executing script assets:install public [OK]

Some files may have been created or updated to configure your new packages.
Please review, edit and commit them: these files are yours.

Database Configuration

* Modify your DATABASE_URL config in .env

* Configure the driver (mysql) and
  server_version (5.7) in config/packages/doctrine.yaml

Unpacked symfony/orm-pack dependencies

```

- Migrações: *composer require --dev symfony/maker-bundle*.

```

root@8774d0dae6b3:/var/www/crudsym#
root@8774d0dae6b3:/var/www/crudsym# composer require --dev symfony/maker-bundle
Using version ^1.21 for symfony/maker-bundle
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in 'symfony/symfony' to '5.1.*'
Package operations: 2 installs, 0 updates, 0 removals
  - Installing nikic/php-parser (v4.10.2): Downloading (100%)
  - Installing symfony/maker-bundle (v1.21.1): Loading from cache
Package zendframework/zend-code is abandoned, you should avoid using it. Use laminas/laminas-code instead.
Package zendframework/zend-eventmanager is abandoned, you should avoid using it. Use laminas/laminas-eventmanager instead.
Writing lock file
Generating optimized autoload files
composer/package-versions-deprecated: Generating version class...
composer/package-versions-deprecated: ...done generating version class
48 packages you are using are looking for funding.
Use the `composer fund` command to find out more!

Symfony operations: 1 recipe (445bd9fcbd59b54a08e63979e13b6584)
  - Configuring symfony/maker-bundle (>=1.0): From github.com/symfony/recipes:master
Executing script cache:clear [OK]
Executing script assets:install public [OK]

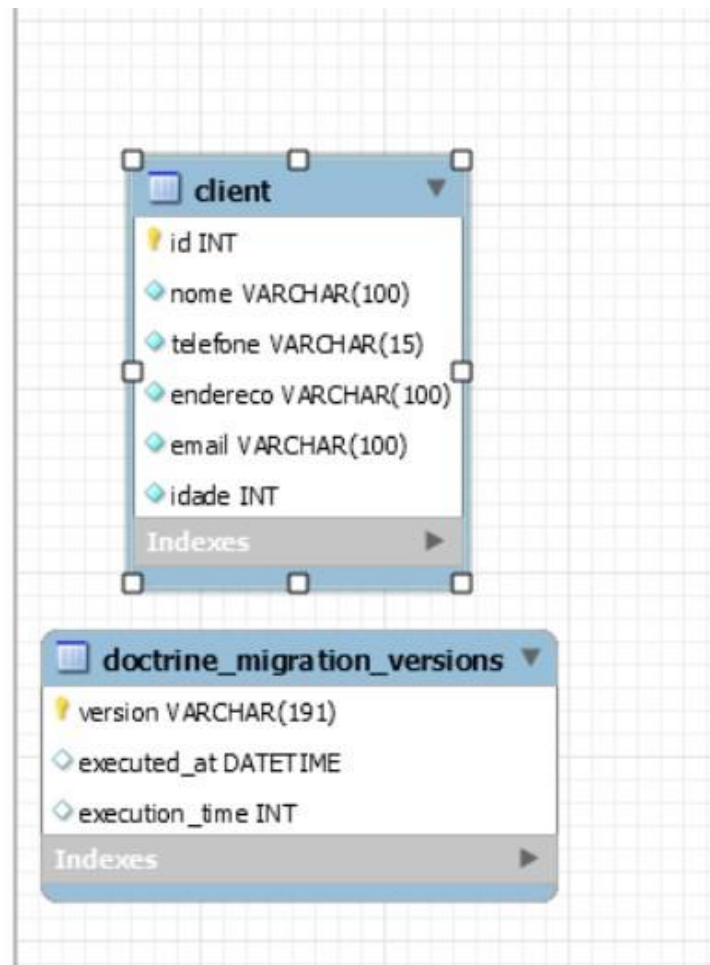
Some files may have been created or updated to configure your new packages.
Please review, edit and commit them: these files are yours.

Nothing to unpack
root@8774d0dae6b3:/var/www/crudsym#

```

CRIANDO O BANCO DE DADOS

O banco de dados criado para a aplicação seguiu o diagrama de entidade e relacionamento abaixo:



Para que o banco fosse criado no servidor de banco de dados foram utilizados os seguintes passos:

- Configuração do banco no arquivo .ENV:

```
23 ###> doctrine/doctrine-bundle ###
24 # Format described at https://www.doctrine-project.org/projects/doctrine-dbal/en/latest/reference/configuration.html#connecting-using-a-url
25 # For an SQLite database, use: "sqlite://%kernel.project_dir%/var/data.db"
26 # For a PostgreSQL database, use: "postgresql://db_user:db_password@127.0.0.1:5432/db_name?serverVersion=11&charset=utf8"
27 # IMPORTANT: You MUST configure your server version, either here or in config/packages/doctrine.yaml
28 DATABASE_URL=mysql://root:root@mysql:3306/crudsym?serverVersion=5.7
29 ###< doctrine/doctrine-bundle ###
30
```

- Criação do banco de dados utilizando o seguinte comando: `bin/console doctrine:database:create`:

```
root@8774d0dae6b3: /var/www/crudsym
root@8774d0dae6b3: /var/www/crudsym# php bin/console doctrine:database:create
Created database `crudsym` for connection named default
root@8774d0dae6b3: /var/www/crudsym# |
```

- Criação da entidade clientes utilizando o seguinte comando: *bin/console make:entity*:

```
root@8774d0dae6b3:/var/www/crudsym#  
root@8774d0dae6b3:/var/www/crudsym# php bin/console make:entity  
  
Class name of the entity to create or update (e.g. OrangeElephant):  
> Client  
  
created: src/Entity/Client.php  
created: src/Repository/ClientRepository.php  
  
Entity generated! Now let's add some fields!  
You can always add more fields later manually or by re-running this command.  
  
New property name (press <return> to stop adding fields):  
> nome  
  
Field type (enter ? to see all types) [string]:  
> string  
  
Field length [255]:  
> 100  
  
Can this field be null in the database (nullable) (yes/no) [no]:  
> no  
  
updated: src/Entity/Client.php  
  
Add another property? Enter the property name (or press <return> to stop adding fields):  
> telefone  
  
Field type (enter ? to see all types) [string]:  
>  
  
Field length [255]:  
> 15  
  
Can this field be null in the database (nullable) (yes/no) [no]:  
> no  
  
updated: src/Entity/Client.php  
  
Add another property? Enter the property name (or press <return> to stop adding fields):  
> endereco  
  
Field type (enter ? to see all types) [string]:  
> string  
  
Field length [255]:  
> 100  
  
Can this field be null in the database (nullable) (yes/no) [no]:  
> no  
  
updated: src/Entity/Client.php  
  
Add another property? Enter the property name (or press <return> to stop adding fields):  
> email
```

```

Add another property? Enter the property name (or press <return> to stop adding fields):
> email

Field type (enter ? to see all types) [string]:
> string

Field length [255]:
> 100

Can this field be null in the database (nullable) (yes/no) [no]:
> no

updated: src/Entity/Client.php

Add another property? Enter the property name (or press <return> to stop adding fields):
> idade

Field type (enter ? to see all types) [string]:
> integer

Can this field be null in the database (nullable) (yes/no) [no]:
> no

updated: src/Entity/Client.php

Add another property? Enter the property name (or press <return> to stop adding fields):
>

Success!

Next: When you're ready, create a migration with php bin/console make:migration

```

- Criação do arquivo de migração utilizando o seguinte comando: `bin/console make:migration`:

```

root@8774d0dae6b3:/var/www/crudsym# php bin/console make:migration

Success!

Next: Review the new migration "migrations/Version20200926155027.php"
Then: Run the migration with php bin/console doctrine:migrations:migrate
See https://symfony.com/doc/current/bundles/DoctrineMigrationsBundle/index.html

```

- Criação da entidade no banco de dados utilizando o seguinte comando: `bin/console doctrine:migrations:migrate`:

```

root@8774d0dae6b3:/var/www/crudsym# php bin/console doctrine:migrations:migrate

WARNING! You are about to execute a database migration that could result in schema changes and data loss. Are you sure you wish to continue? (yes/no) [yes]:
> yes

[notice] Migrating up to DoctrineMigrations\Version20200926155027
[notice] finished in 191.2ms, used 14M memory, 1 migrations executed, 1 sql queries

```

- Para a construção do controller e view utilizou-se o seguinte comando: `bin/console make:crud`:


```

root@8774d0dae6b3:/var/www/crudsym# php bin/console make:crud

The class name of the entity to create CRUD (e.g. DeliciousPuppy):
> Client

created: src/Controller/ClientController.php
created: src/Form/ClientType.php
created: templates/client/_delete_form.html.twig
created: templates/client/_form.html.twig
created: templates/client/edit.html.twig
created: templates/client/index.html.twig
created: templates/client/new.html.twig
created: templates/client/show.html.twig

Success!

Next: Check your new CRUD by going to /client/
root@8774d0dae6b3:/var/www/crudsym#

```

- Instalando as dependências do crud: *composer require form validator security-csrf*:

```

root@8774d0dae6b3:/var/www/crudsym# composer require form validator security-csrf
Restricting packages listed in "symfony/symfony" to "5.1.*"
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in "symfony/symfony" to "5.1.*"
Package operations: 9 installs, 0 updates, 0 removals
  - Installing symfony/property-info (v5.1.5): Loading from cache
  - Installing symfony/property-access (v5.1.5): Loading from cache
  - Installing symfony/options-resolver (v5.1.5): Loading from cache
  - Installing symfony/intl (v5.1.5): Loading from cache
  - Installing symfony/polyfill-intl-icu (v1.18.1): Loading from cache
  - Installing symfony/form (v5.1.5): Loading from cache
  - Installing symfony/security-core (v5.1.5): Loading from cache
  - Installing symfony/security-csrf (v5.1.5): Loading from cache
  - Installing symfony/validator (v5.1.5): Loading from cache
Package zendframework/zend-code is abandoned, you should avoid using it. Use laminas/laminas-code instead.
Package zendframework/zend-eventmanager is abandoned, you should avoid using it. Use laminas/laminas-eventmanager instead.
Writing lock file
Generating optimized autoload files
composer/package-versions-deprecated: Generating version class...
composer/package-versions-deprecated: ...done generating version class
57 packages you are using are looking for funding.
Use the "composer fund" command to find out more!

Symfony operations: 1 recipe (eafdf16bb2a50e2ee7e43d050710c6ae2)
  - Configuring symfony/validator (>=4.3): From github.com/symfony/recipes/master
Executing script cache:clear [OK]
Executing script assets:install public [OK]

Some files may have been created or updated to configure your new packages.
Please review, edit and commit them: these files are yours.

Nothing to unpack
root@8774d0dae6b3:/var/www/crudsym# |

```

Arquivos Ativos (ASSETS)

Para inserir arquivos de estilização, imagens e/ou arquivos.js é necessário, segundo a documentação oficial, instalar o componente asset com o comando *composer require symfony/asset*.

```

root@8774d0dae6b3:/var/www/crudsym# composer require symfony/asset
Restricting packages listed in "symfony/symfony" to "5.1.*"
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies (including require-dev)
Restricting packages listed in "symfony/symfony" to "5.1.*"
Package operations: 1 install, 0 updates, 0 removals
- Installing symfony/asset (v5.1.5): Loading from cache
Package zendframework/zend-code is abandoned, you should avoid using it. Use laminas/laminas-code instead.
Package zendframework/zend-eventmanager is abandoned, you should avoid using it. Use laminas/laminas-eventmanager instead.
Writing lock file
Generating optimized autoload files
composer/package-versions-deprecated: Generating version class...
composer/package-versions-deprecated: ...done generating version class
58 packages you are using are looking for funding.
Use the 'composer fund' command to find out more!

Run composer recipes at any time to see the status of your Symfony recipes.

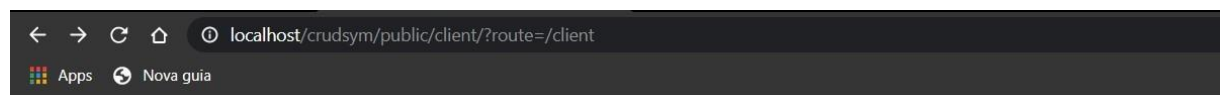
Executing script cache:clear [OK]
Executing script assets:install public [OK]

Nothing to unpack
root@8774d0dae6b3:/var/www/crudsym#

```

VIEWS FINALIZADAS

Segue abaixo as views do crud:

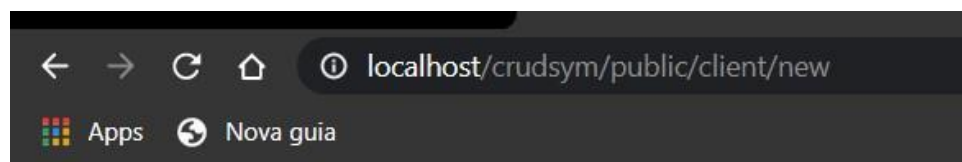


Client index

Id Nome Telefone Endereco Email Idade actions

no records found

[Create new](#)



Create new Client

Nome

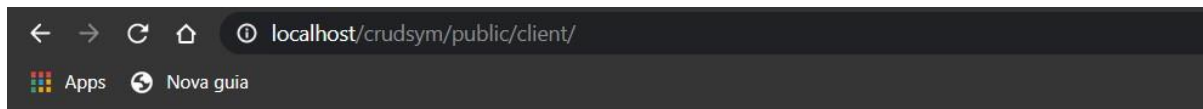
Telefone

Endereco

Email

Idade

[back to list](#)



Client index

Id	Nome	Telefone	Endereco	Email	Idade	actions
1	Paulo Adolpho Villas Boas (12)	996474044	Rua Alpina 80	p.adolpho@yahoo.com.br	26	show edit

[Create new](#)