

Домашняя работа
по предмету:

Продвинутое программирование на PHP — Laravel

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Урок 14. Создание администраторской панели

Цели практической работы:

- Научиться интегрировать админ-панель в проект.
- Разобраться в настройке CRUD-методов для сущности в voyager.

Что нужно сделать:

В этой практической работе вы создадите панель администратора для склада интернет-магазина.

1. Создайте новый проект Laravel или откройте уже существующий.
2. Создайте новую ветку вашего репозитория от корневой (main или master).
3. Создайте класс **Category** (модель, миграцию и контроллер) командой `php artisan make:model Category -m`
4. Опишите миграцию для таблицы **categories** с типами полей:

```
$table->id();  
$table->string('name');  
$table->timestamps();
```

5. Создайте класс **Product** (модель, миграцию и контроллер) командой `php artisan make:model Product -m`

6. Опишите миграцию для таблицы **products** с типами полей:

```
$table->string('sku');  
$table->id();  
$table->string('sku');  
$table->string('name');  
$table->foreignId('category_id')->constrained();
```

7. Выполните миграцию командой `php artisan migrate`

8. Установите **voyager** командой `composer require tcg/voyager`
9. Выполните установку voyager внутри вашего приложения командой `php artisan voyager:install`
10. Создайте администратора вашего приложения командой `php artisan voyager:admin your@email.com`
11. Войдите в панель администратора, перейдите во вкладку **tools/bread** и добавьте возможность редактирования сущностей **category** и **product**.
12. После создания **CRUD** для сущности **product** перейдите в эту сущность и нажмите на кнопку **Create A Relationship**.
13. Настройте связь следующим образом:

The screenshot shows the 'Product Relationships' configuration page. At the top, there's a red header with a heart icon and the title 'Product Relationships'. Below this, there's a table with two columns: 'Product' and 'Category'. The 'Product' column has a dropdown menu set to 'Belongs To'. Below the table, there's a text input field with the placeholder text 'Which column from the Product is used to reference the Category?'. Underneath that, there's a section titled 'Selection Details'. Inside this section, there are two text input fields: 'Display the Category:' with the value 'name' entered, and 'Store the Category:' which is currently empty.

14. Сохраните связь.
15. Создайте категорию, а после — тестовый товар, прикрепленный к этой категории.
16. Создайте в проекте директорию App/Admin/Widgets и добавьте туда два виджета: **ProductsWidget** и **CategoriesWidget**.
17. Реализуйте в этих виджетах счётчики количества товаров и категорий.

18. Добавьте виджеты в конфигурационный файл voyager.php:

```
'widgets' => [  
    \App\Admin\Widgets\ProductsWidget::class,  
    \App\Admin\Widgets\CategoriesWidget::class,  
],
```

Решение:

Создаем новый проект Laravel

```
$ composer create-project laravel/laravel warehouse  
Creating a "laravel/laravel" project at "./warehouse"  
Cannot use laravel/laravel's latest version v12.0.4 as it requires php  
^8.2 which is not satisfied by your platform.  
Installing laravel/laravel (v10.3.3)  
- Installing laravel/laravel (v10.3.3): Extracting archive  
Created project in C:\laravelapp\lesson14\warehouse  
> @php -r "file_exists('.env') || copy('.env.example', '.env');"  
Loading composer repositories with package information  
Updating dependencies  
Lock file operations: 111 installs, 0 updates, 0 removals  
- Locking brick/math (0.12.3)  
- Locking carbonphp/carbon-doctrine-types (2.1.0)  
- Locking dflydev/dot-access-data (v3.0.3)  
- Locking doctrine/inflector (2.0.10)  
- Locking doctrine/lexer (3.0.1)  
- Locking dragonmantank/cron-expression (v3.4.0)  
- Locking egulias/email-validator (4.0.4)  
- Locking fakerphp/faker (v1.24.1)  
- Locking filp/whoops (2.18.0)  
- Locking fruitcake/php-cors (v1.3.0)  
- Locking graham-campbell/result-type (v1.1.3)  
- Locking guzzlehttp/guzzle (7.9.3)  
- Locking guzzlehttp/promises (2.2.0)  
- Locking guzzlehttp/psr7 (2.7.1)  
- Locking guzzlehttp/uri-template (v1.0.4)  
- Locking hamcrest/hamcrest-php (v2.0.1)  
- Locking laravel/framework (v10.48.29)  
- Locking laravel/pint (v1.20.0)  
- Locking laravel/prompts (v0.1.25)  
- Locking laravel/sail (v1.41.0)  
- Locking laravel/sanctum (v3.3.3)  
- Locking laravel/serializable-closure (v1.3.7)  
- Locking laravel/tinker (v2.10.1)  
- Locking league/commonmark (2.6.1)  
- Locking league/config (v1.2.0)  
- Locking league/flysystem (3.29.1)  
- Locking league/flysystem-local (3.29.0)  
- Locking league/mime-type-detection (1.16.0)  
- Locking mockery/mockery (1.6.12)  
- Locking monolog/monolog (3.9.0)  
- Locking myclabs/deep-copy (1.13.0)  
- Locking nesbot/carbon (2.73.0)  
- Locking nette/schema (v1.3.2)  
- Locking nette/utils (v4.0.6)  
- Locking nikic/php-parser (v5.4.0)  
- Locking nunomaduro/collision (v7.12.0)  
- Locking nunomaduro/termwind (v1.17.0)  
- Locking phar-io/manifest (2.0.4)  
- Locking phar-io/version (3.2.1)  
- Locking phoption/phoption (1.9.3)  
- Locking phpunit/php-code-coverage (10.1.16)  
- Locking phpunit/php-file-iterator (4.1.0)  
- Locking phpunit/php-invoker (4.0.0)  
- Locking phpunit/php-text-template (3.0.1)  
- Locking phpunit/php-timer (6.0.0)
```

- Locking [phpunit/phpunit](#) (10.5.45)
- Locking [psr/clock](#) (1.0.0)
- Locking [psr/container](#) (2.0.2)
- Locking [psr/event-dispatcher](#) (1.0.0)
- Locking [psr/http-client](#) (1.0.3)
- Locking [psr/http-factory](#) (1.1.0)
- Locking [psr/http-message](#) (2.0)
- Locking [psr/log](#) (3.0.2)
- Locking [psr/simple-cache](#) (3.0.0)
- Locking [psy/psysh](#) (v0.12.8)
- Locking [ralouphie/getallheaders](#) (3.0.3)
- Locking [ramsey/collection](#) (2.1.1)
- Locking [ramsey/uuid](#) (4.7.6)
- Locking [sebastian/cli-parser](#) (2.0.1)
- Locking [sebastian/code-unit](#) (2.0.0)
- Locking [sebastian/code-unit-reverse-lookup](#) (3.0.0)
- Locking [sebastian/comparator](#) (5.0.3)
- Locking [sebastian/complexity](#) (3.2.0)
- Locking [sebastian/diff](#) (5.1.1)
- Locking [sebastian/environment](#) (6.1.0)
- Locking [sebastian/exporter](#) (5.1.2)
- Locking [sebastian/global-state](#) (6.0.2)
- Locking [sebastian/lines-of-code](#) (2.0.2)
- Locking [sebastian/object-enumerator](#) (5.0.0)
- Locking [sebastian/object-reflector](#) (3.0.0)
- Locking [sebastian/recursion-context](#) (5.0.0)
- Locking [sebastian/type](#) (4.0.0)
- Locking [sebastian/version](#) (4.0.1)
- Locking [spatie/backtrace](#) (1.7.1)
- Locking [spatie/error-solutions](#) (1.1.3)
- Locking [spatie/flare-client-php](#) (1.10.1)
- Locking [spatie/ignition](#) (1.15.1)
- Locking [spatie/laravel-ignition](#) (2.9.1)
- Locking [symfony/console](#) (v6.4.20)
- Locking [symfony/css-selector](#) (v6.4.13)
- Locking [symfony/deprecation-contracts](#) (v3.5.1)
- Locking [symfony/error-handler](#) (v6.4.20)
- Locking [symfony/event-dispatcher](#) (v6.4.13)
- Locking [symfony/event-dispatcher-contracts](#) (v3.5.1)
- Locking [symfony/finder](#) (v6.4.17)
- Locking [symfony/http-foundation](#) (v6.4.18)
- Locking [symfony/http-kernel](#) (v6.4.20)
- Locking [symfony/mailer](#) (v6.4.18)
- Locking [symfony/mime](#) (v6.4.19)
- Locking [symfony/polyfill-ctype](#) (v1.31.0)
- Locking [symfony/polyfill-intl-grapheme](#) (v1.31.0)
- Locking [symfony/polyfill-intl-idn](#) (v1.31.0)
- Locking [symfony/polyfill-intl-normalizer](#) (v1.31.0)
- Locking [symfony/polyfill-mbstring](#) (v1.31.0)
- Locking [symfony/polyfill-php80](#) (v1.31.0)
- Locking [symfony/polyfill-php83](#) (v1.31.0)
- Locking [symfony/polyfill-uuid](#) (v1.31.0)
- Locking [symfony/process](#) (v6.4.20)
- Locking [symfony/routing](#) (v6.4.18)
- Locking [symfony/service-contracts](#) (v3.5.1)
- Locking [symfony/string](#) (v6.4.15)
- Locking [symfony/translation](#) (v6.4.19)
- Locking [symfony/translation-contracts](#) (v3.5.1)
- Locking [symfony/uid](#) (v6.4.13)
- Locking [symfony/var-dumper](#) (v6.4.18)
- Locking [symfony/yaml](#) (v6.4.20)
- Locking [theseer/tokenizer](#) (1.2.3)
- Locking [tijsverkoyen/css-to-inline-styles](#) (v2.3.0)
- Locking [vlucas/phpdotenv](#) (v5.6.1)
- Locking [voku/portable-ascii](#) (2.0.3)
- Locking [webmozart/assert](#) (1.11.0)

Writing lock file

Installing dependencies from lock file (including require-dev)

Package operations: 111 installs, 0 updates, 0 removals

- Installing doctrine/inflector (2.0.10): Extracting archive
- Installing doctrine/lexer (3.0.1): Extracting archive
- Installing symfony/polyfill-ctype (v1.31.0): Extracting archive
- Installing webmozart/assert (1.11.0): Extracting archive
- Installing dragonmantank/cron-expression (v3.4.0): Extracting archive
- Installing symfony/deprecation-contracts (v3.5.1): Extracting archive
- Installing psr/container (2.0.2): Extracting archive
- Installing fakerphp/faker (v1.24.1): Extracting archive
- Installing symfony/polyfill-php83 (v1.31.0): Extracting archive
- Installing symfony/polyfill-mbstring (v1.31.0): Extracting archive
- Installing symfony/http-foundation (v6.4.18): Extracting archive
- Installing fruitcake/php-cors (v1.3.0): Extracting archive
- Installing psr/http-message (2.0): Extracting archive
- Installing psr/http-client (1.0.3): Extracting archive
- Installing ralouphie/getallheaders (3.0.3): Extracting archive
- Installing psr/http-factory (1.1.0): Extracting archive
- Installing guzzlehttp/psr7 (2.7.1): Extracting archive
- Installing guzzlehttp/promises (2.2.0): Extracting archive
- Installing guzzlehttp/guzzle (7.9.3): Extracting archive
- Installing symfony/polyfill-php80 (v1.31.0): Extracting archive
- Installing guzzlehttp/uri-template (v1.0.4): Extracting archive
- Installing laravel/pint (v1.20.0): Extracting archive
- Installing symfony/polyfill-intl-normalizer (v1.31.0): Extracting archive
- Installing symfony/polyfill-intl-grapheme (v1.31.0): Extracting archive
- Installing symfony/string (v6.4.15): Extracting archive
- Installing symfony/service-contracts (v3.5.1): Extracting archive
- Installing symfony/console (v6.4.20): Extracting archive
- Installing voku/portable-ascii (2.0.3): Extracting archive
- Installing phpoption/phpoption (1.9.3): Extracting archive
- Installing graham-campbell/result-type (v1.1.3): Extracting archive
- Installing vlucas/phpdotenv (v5.6.1): Extracting archive
- Installing symfony/css-selector (v6.4.13): Extracting archive
- Installing tijsverkoyen/css-to-inline-styles (v2.3.0): Extracting archive
- Installing symfony/var-dumper (v6.4.18): Extracting archive
- Installing symfony/polyfill-uuid (v1.31.0): Extracting archive
- Installing symfony/uid (v6.4.13): Extracting archive
- Installing symfony/routing (v6.4.18): Extracting archive
- Installing symfony/process (v6.4.20): Extracting archive
- Installing symfony/polyfill-intl-idn (v1.31.0): Extracting archive
- Installing symfony/mime (v6.4.19): Extracting archive
- Installing psr/event-dispatcher (1.0.0): Extracting archive
- Installing symfony/event-dispatcher-contracts (v3.5.1): Extracting archive
- Installing symfony/event-dispatcher (v6.4.13): Extracting archive
- Installing psr/log (3.0.2): Extracting archive
- Installing egulias/email-validator (4.0.4): Extracting archive
- Installing symfony/mailer (v6.4.18): Extracting archive
- Installing symfony/error-handler (v6.4.20): Extracting archive
- Installing symfony/http-kernel (v6.4.20): Extracting archive
- Installing symfony/finder (v6.4.17): Extracting archive
- Installing ramsey/collection (2.1.1): Extracting archive
- Installing brick/math (0.12.3): Extracting archive
- Installing ramsey/uuid (4.7.6): Extracting archive
- Installing psr/simple-cache (3.0.0): Extracting archive
- Installing nunomaduro/termwind (v1.17.0): Extracting archive
- Installing symfony/translation-contracts (v3.5.1): Extracting archive
- Installing symfony/translation (v6.4.19): Extracting archive
- Installing psr/clock (1.0.0): Extracting archive
- Installing carbonphp/carbon-doctrine-types (2.1.0): Extracting archive
- Installing nesbot/carbon (2.73.0): Extracting archive
- Installing monolog/monolog (3.9.0): Extracting archive
- Installing league/mime-type-detection (1.16.0): Extracting archive
- Installing league/flysystem (3.29.1): Extracting archive
- Installing league/flysystem-local (3.29.0): Extracting archive
- Installing nette/utils (v4.0.6): Extracting archive
- Installing nette/schema (v1.3.2): Extracting archive

```

- Installing dflydev/dot-access-data (v3.0.3): Extracting archive
- Installing league/config (v1.2.0): Extracting archive
- Installing league/commonmark (2.6.1): Extracting archive
- Installing laravel/serializable-closure (v1.3.7): Extracting archive
- Installing laravel/prompts (v0.1.25): Extracting archive
- Installing laravel/framework (v10.48.29): Extracting archive
- Installing symfony/yaml (v6.4.20): Extracting archive
- Installing laravel/sail (v1.41.0): Extracting archive
- Installing laravel/sanctum (v3.3.3): Extracting archive
- Installing nikic/php-parser (v5.4.0): Extracting archive
- Installing psy/psysh (v0.12.8): Extracting archive
- Installing laravel/tinker (v2.10.1): Extracting archive
- Installing hamcrest/hamcrest-php (v2.0.1): Extracting archive
- Installing mockery/mockery (1.6.12): Extracting archive
- Installing filp/whoops (2.18.0): Extracting archive
- Installing nunomaduro/collision (v7.12.0): Extracting archive
- Installing sebastian/version (4.0.1): Extracting archive
- Installing sebastian/type (4.0.0): Extracting archive
- Installing sebastian/recursion-context (5.0.0): Extracting archive
- Installing sebastian/object-reflector (3.0.0): Extracting archive
- Installing sebastian/object-enumerator (5.0.0): Extracting archive
- Installing sebastian/global-state (6.0.2): Extracting archive
- Installing sebastian/exporter (5.1.2): Extracting archive
- Installing sebastian/environment (6.1.0): Extracting archive
- Installing sebastian/diff (5.1.1): Extracting archive
- Installing sebastian/comparator (5.0.3): Extracting archive
- Installing sebastian/code-unit (2.0.0): Extracting archive
- Installing sebastian/cli-parser (2.0.1): Extracting archive
- Installing phpunit/php-timer (6.0.0): Extracting archive
- Installing phpunit/php-text-template (3.0.1): Extracting archive
- Installing phpunit/php-invoker (4.0.0): Extracting archive
- Installing phpunit/php-file-iterator (4.1.0): Extracting archive
- Installing theseer/tokenizer (1.2.3): Extracting archive
- Installing sebastian/lines-of-code (2.0.2): Extracting archive
- Installing sebastian/complexity (3.2.0): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (3.0.0): Extracting
archive
- Installing phpunit/php-code-coverage (10.1.16): Extracting archive
- Installing phar-io/version (3.2.1): Extracting archive
- Installing phar-io/manifest (2.0.4): Extracting archive
- Installing myclabs/deep-copy (1.13.0): Extracting archive
- Installing phpunit/phpunit (10.5.45): Extracting archive
- Installing spatie/error-solutions (1.1.3): Extracting archive
- Installing spatie/backtrace (1.7.1): Extracting archive
- Installing spatie/flare-client-php (1.10.1): Extracting archive
- Installing spatie/ignition (1.15.1): Extracting archive
- Installing spatie/laravel-ignition (2.9.1): Extracting archive
64 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

```

INFO Discovering packages.

```

laravel/sail
.....
DONE
laravel/sanctum
.....
DONE
laravel/tinker
.....
DONE
nesbot/carbon
.....
DONE

```



```

nunomaduro/collision
.....
nunomaduro/termwind
.....
spatie/laravel-ignition
.....
DONE

```

81 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 --force
```

```
INFO No publishable resources for tag [laravel-assets].
```

No security vulnerability advisories found.

```
> @php artisan key:generate --ansi
```

```
INFO Application key set successfully.
```

```
A@LAPTOP-RHI13GV6 MINGW64 /c/laravelapp/lesson14
$ cd warehouse
```

```
A@LAPTOP-RHI13GV6 MINGW64 /c/laravelapp/lesson14/warehouse
$ ls
README.md  bootstrap/  config/      phpunit.xml  routes/      vendor/
app/        composer.json  database/    public/       storage/
vite.config.js
artisan*    composer.lock  package.json  resources/    tests/
```

```
A@LAPTOP-RHI13GV6 MINGW64 /c/laravelapp/lesson14/warehouse
```

Создаем модель Category:

```
$ php artisan make:model Category -m
```

```
INFO Model [C:\laravelapp\lesson14\warehouse\app\Models\Category.php]
created successfully.
```

```
INFO Migration
[C:\laravelapp\lesson14\warehouse\database\Migrations\2025_04_01_175557_cr
eate_categories_table.php] created successfully.
```

Редактируем миграцию:

```
<?php
```

```

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

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('categories', function (Blueprint $table) {
            $table->id();

```

```

        $table->string('name');
        $table->timestamps();
    });
}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::dropIfExists('categories');
}
};

```

Создаем модель Product:

```
$ $ php artisan make:model Product -m
```

```
INFO Model [C:\laravelapp\lesson14\warehouse\app\Models\Product.php]
created successfully.
```

```
INFO Migration
[C:\laravelapp\lesson14\warehouse\database\Migrations\2025_04_01_180019_cr
eate_products_table.php] created successfully.
```

Редактируем миграцию:

```
<?php
```

```

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

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('products', function (Blueprint $table) {
            $table->id();
            $table->string('sku')->unique();
            $table->string('name');
            $table->foreignId('category_id')->constrained();
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
}

```



```

        */
        public function down(): void
        {
            Schema::dropIfExists('products');
        }
    };
};

```

Выполняем миграции:

```
$ php artisan migrate
```

```
INFO Running migrations.
```

```

2025_04_01_175557_create_categories_table
..... 42ms DONE
2025_04_01_180019_create_products_table
..... 150ms DONE

```

Устанавливаем voyager:

```
$ composer require tcg/voyager
```

```
Cannot use tcg/voyager's latest version v1.8.0 as it requires php
^8.2|^8.3 which is not satisfied by your platform.
```

```
./composer.json has been updated
```

```
Running composer update tcg/voyager
```

```
Loading composer repositories with package information
```

```
Updating dependencies
```

```
Lock file operations: 9 installs, 0 updates, 0 removals
```

- Locking arrilot/laravel-widgets (3.14.0)
- Locking doctrine/cache (2.2.0)
- Locking doctrine/dbal (3.9.4)
- Locking doctrine/deprecations (1.1.4)
- Locking doctrine/event-manager (2.0.1)
- Locking intervention/image (2.7.2)
- Locking laravel/ui (v4.6.1)
- Locking psr/cache (3.0.0)
- Locking tcg/voyager (v1.7)

```
Writing lock file
```

```
Installing dependencies from lock file (including require-dev)
```

```
Package operations: 9 installs, 0 updates, 0 removals
```

- Downloading doctrine/deprecations (1.1.4)
- Downloading doctrine/event-manager (2.0.1)
- Downloading laravel/ui (v4.6.1)
- Downloading intervention/image (2.7.2)
- Downloading doctrine/dbal (3.9.4)
- Downloading arrilot/laravel-widgets (3.14.0)
- Downloading tcg/voyager (v1.7)
- Installing doctrine/cache (2.2.0): Extracting archive
- Installing doctrine/deprecations (1.1.4): Extracting archive
- Installing doctrine/event-manager (2.0.1): Extracting archive
- Installing psr/cache (3.0.0): Extracting archive
- Installing laravel/ui (v4.6.1): Extracting archive
- Installing intervention/image (2.7.2): Extracting archive
- Installing doctrine/dbal (3.9.4): Extracting archive
- Installing arrilot/laravel-widgets (3.14.0): Extracting archive
- Installing tcg/voyager (v1.7): Extracting archive

```
3 package suggestions were added by new dependencies, use `composer
suggest` to see details.
```

```
Package tcg/voyager is abandoned, you should avoid using it. No
replacement was suggested.
```

```
Generating optimized autoload files
```

```
> Illuminate\Foundation\ComposerScripts::postAutoLoadDump
```

```
> @php artisan package:discover --ansi
```

```
INFO Discovering packages.
```

```

arrilot/laravel-widgets
.....
intervention/image
.....
laravel/sail
.....
laravel/sanctum
.....
laravel/tinker
.....
laravel/ui
.....
nesbot/carbon
.....
nunomaduro/collision
.....
nunomaduro/termwind
.....
spatie/laravel-ignition
.....
tcg/voyager
.....
.....

```

86 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 --force

INFO No publishable resources for tag `[laravel-assets]`.

Found 3 security vulnerability advisories affecting 1 package.
 Run "composer audit" for a full list of advisories.
 Using version ^1.7 for `tcg/voyager`

A@LAPTOP-RHI13GV6 MINGW64 /c/laravelapp/lesson14/warehouse
 Устанавливаем Voyager в приложение:
 \$ php artisan voyager:install
 Publishing the Voyager assets, database, and config files

INFO Publishing `[seeders]` assets.

Copying directory
 [C:\laravelapp\lesson14\warehouse\vendor\tcg\voyager\publishable\database\seeders] to [C:\laravelapp\lesson14\warehouse\database\seeders]
 DONE

Migrating the database tables into your application

INFO Running migrations.

```

2016_01_01_000000_add_voyager_user_fields
.....
36ms DONE
2016_01_01_000000_create_data_types_table
.....
182ms DONE

```

```

2016_05_19_173453_create_menu_table
.....
..... 152ms DONE
2016_10_21_190000_create_roles_table
.....
..... 37ms DONE
2016_10_21_190000_create_settings_table
.....
..... 49ms DONE
2016_11_30_135954_create_permission_table
.....
..... 38ms DONE
2016_11_30_141208_create_permission_role_table
.....
..... 217ms DONE
2016_12_26_201236_data_types__add__server_side
.....
..... 12ms DONE
2017_01_13_000000_add_route_to_menu_items_table
.....
..... 9ms DONE
2017_01_14_005015_create_translations_table
.....
..... 38ms DONE
2017_01_15_000000_make_table_name_nullable_in_permissions_table
.....
249ms DONE
2017_03_06_000000_add_controller_to_data_types_table
.....
..... 12ms DONE
2017_04_21_000000_add_order_to_data_rows_table
.....
..... 11ms DONE
2017_07_05_210000_add_policyname_to_data_types_table
.....
..... 8ms DONE
2017_08_05_000000_add_group_to_settings_table
.....
..... 9ms DONE
2017_11_26_013050_add_user_role_relationship
.....
..... 170ms DONE
2017_11_26_015000_create_user_roles_table
.....
..... 214ms DONE
2018_03_11_000000_add_user_settings
.....
..... 10ms DONE
2018_03_14_000000_add_details_to_data_types_table
.....
..... 8ms DONE
2018_03_16_000000_make_settings_value_nullable
.....
..... 84ms DONE

```

Attempting to set Voyager User model as parent to App\User
Adding Voyager routes to routes/web.php

INFO Publishing [config] assets.

Copying file
[C:\laravelapp\lesson14\warehouse\vendor\tcg\voyager\publishable\config\voyager.php] to [C:\laravelapp\lesson14\warehouse\config\voyager.php]
DONE

INFO Publishing [voyager_avatar] assets.

```
Copying directory
[C:\laravelapp\lesson14\warehouse\vendor\tcg\voyager\publishable\dummy_content\users] to [C:\laravelapp\lesson14\warehouse\storage\app\public\users] DONE
```

Dumping the autoloaded files and reloading all new files
Seeding data into the database

INFO Seeding database.

```
Database\Seeders\DataTypesTableSeeder
..... RUNNING
Database\Seeders\DataTypesTableSeeder
..... 48 ms DONE

Database\Seeders\DataRowsTableSeeder
..... RUNNING
Database\Seeders\DataRowsTableSeeder
..... 96 ms DONE

Database\Seeders\MenusTableSeeder
..... RUNNING
Database\Seeders\MenusTableSeeder
..... 6 ms DONE

Database\Seeders\MenuItemsTableSeeder
..... RUNNING
Database\Seeders\MenuItemsTableSeeder
..... 54 ms DONE

Database\Seeders\RolesTableSeeder
..... RUNNING
Database\Seeders\RolesTableSeeder
..... 17 ms DONE

Database\Seeders\PermissionsTableSeeder
..... RUNNING
Database\Seeders\PermissionsTableSeeder
..... 139 ms DONE

Database\Seeders\PermissionRoleTableSeeder
..... RUNNING
Database\Seeders\PermissionRoleTableSeeder
..... 123 ms DONE

Database\Seeders\SettingsTableSeeder
..... RUNNING
Database\Seeders\SettingsTableSeeder
..... 53 ms DONE
```

Adding the storage symlink to your public folder

INFO The [C:\laravelapp\lesson14\warehouse\public\storage] link has been connected to [C:\laravelapp\lesson14\warehouse\storage\app\public] .

Successfully installed Voyager! Enjoy

Создаем администратора:

A@LAPTOP-RHI13GV6 MINGW64 /c/laravelapp/lesson14/warehouse

```
$ php artisan voyager:admin admin@example.com --create
```

Enter the admin name:

> admin

Enter admin password:

>

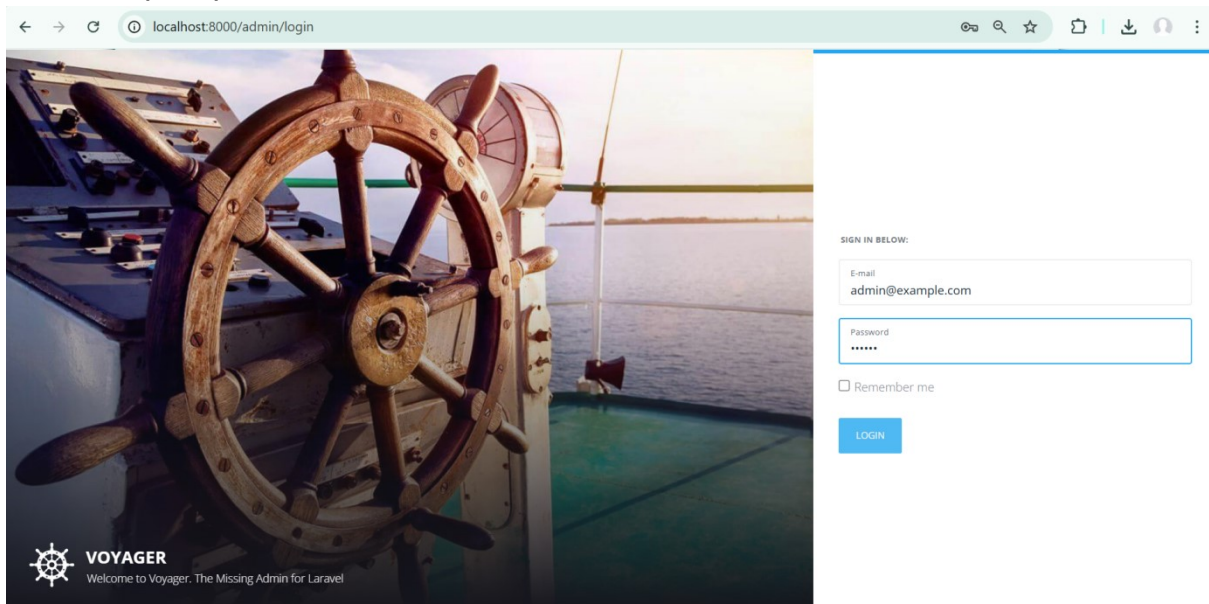
Confirm Password:

>

Creating admin account

The user now has full access to your site.

Перейдем в административную панель и введем логин и пароль администратора:



Перейду на вкладку tools/bread и поставлю возможность редактирования сущностей category и product:

localhost:8000/admin/bread

Dashboard > Bread

BREAD

Table Name

categories

failed_jobs

menus

password_reset_tokens

permissions

products

roles

translations

users

BREAD/CRUD Actions

Add BREAD to this table

Add BREAD to this table

Browse

Edit

Delete

Add BREAD to this table

Add BREAD to this table

Add BREAD to this table

Browse

Edit

Delete

Add BREAD to this table

Browse

Edit

Delete

Add BREAD to this table

Browse

Edit

Delete

localhost:8000/admin/bread/categories/create

Dashboard > BREAD > Category > Add

Edit the rows for the categories table below:

Field	Visibility	Input Type	Display Name	Optional Details
<div><div>+</div>id</div> <div>Type: bigint Key: PRI Required: Yes</div>	<div><input type="checkbox"/> Browse</div> <div><input type="checkbox"/> Read</div> <div><input type="checkbox"/> Edit</div> <div><input type="checkbox"/> Add</div> <div><input type="checkbox"/> Delete</div>	<div>Text</div>	<div>Id</div>	<div></div>
<div><div>+</div>name</div> <div>Type: varchar Key: Required: Yes</div>	<div><input checked="" type="checkbox"/> Browse</div> <div><input checked="" type="checkbox"/> Read</div> <div><input checked="" type="checkbox"/> Edit</div> <div><input checked="" type="checkbox"/> Add</div> <div><input checked="" type="checkbox"/> Delete</div>	<div>Text</div>	<div>Name</div>	<div></div>
<div><div>+</div>created_at</div> <div>Type: timestamp</div>	<div><input checked="" type="checkbox"/> Browse</div> <div><input checked="" type="checkbox"/> Read</div>	<div>Timestamp</div>	<div>Created At</div>	<div></div>

localhost:8000/admin/bread

Dashboard > Bread

BREAD

Table Name

categories

failed_jobs

menus

password_reset_tokens

permissions

products

roles

translations

users

BREAD/CRUD Actions

Browse

Edit

Delete

Add BREAD to this table

Browse

Edit

Delete

Add BREAD to this table

Add BREAD to this table

Browse

Edit

Delete

Browse

Edit

Delete

Add BREAD to this table

Browse

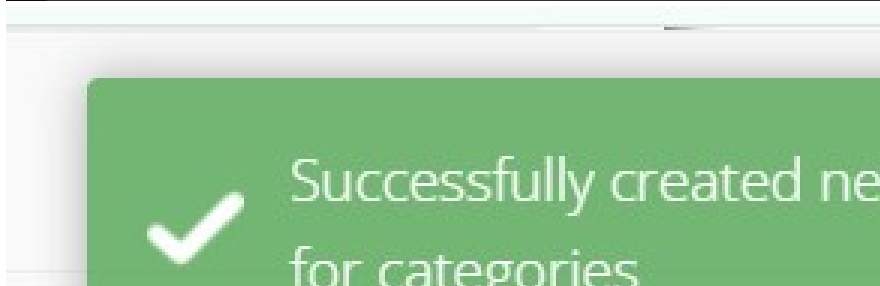
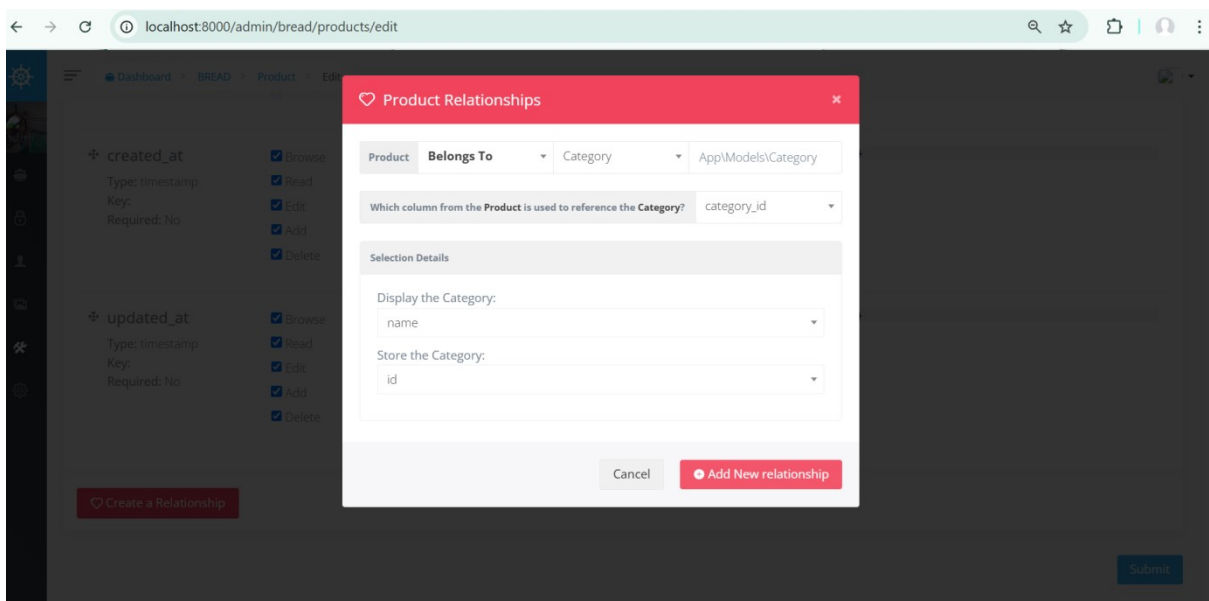
Edit

Delete



Для сущности Product создаем связь как показано на рисунке в задании:

- Тип связи: Belongs To
- Модель: App\Models\Category
- Поле для связи: category_id
- Отображать: name
- Хранить: id



Создаем тестовую категорию и товар через админ-панель Voyager:



Dashboard > Categories > (

Add Category

Name

Контроллеры освещения

Created At

04/01/2025 9:47 PM



Dashboard > Categories

✓ Successfully Added New Category

Categories

➕ Add New

🗑 Bulk Delete

Show 10 entries

Search:

<input type="checkbox"/>	Name	Created At	Updated At	Actions
<input type="checkbox"/>	Контроллеры освещения	2025-04-01 21:47:00	2025-04-01 21:47:00	View Edit Delete

Showing 1 to 1 of 1 entries

< Previous 1 Next >



Add Product

Sku

Nema LW

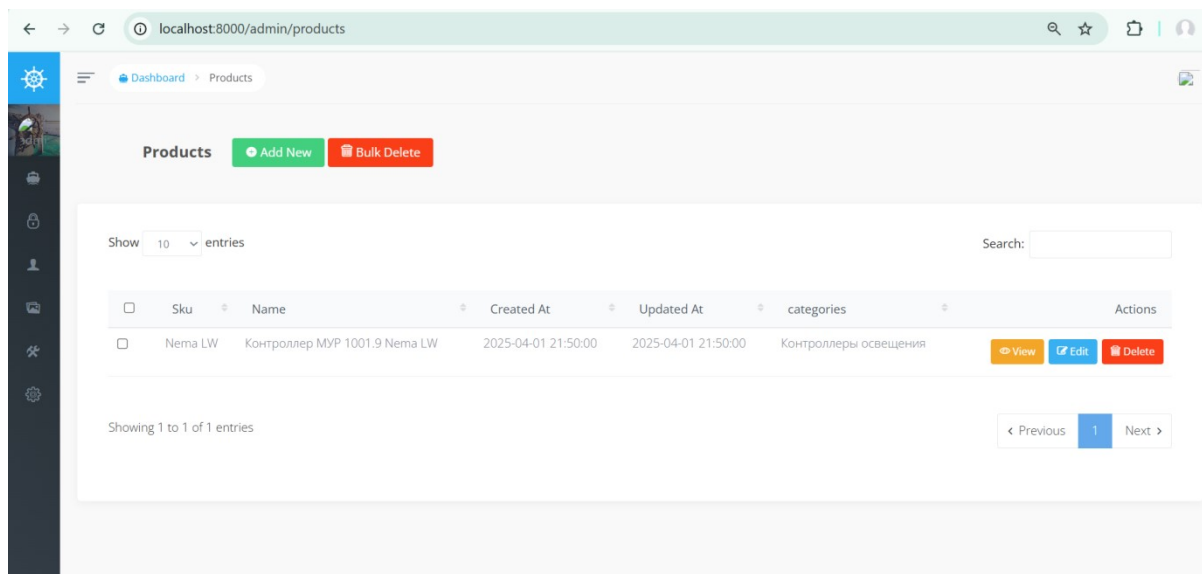
Name

Контроллер МУР 1001.9 Nema LW

Created At

04/01/2025 9:50 PM

Updated At



Создадим директорию для виджетов:

```
mkdir -p app/Admin/Widgets
```

Создадим файл app/Admin/Widgets/ProductsWidget.php::

```
<?php
```

```
namespace App\Admin\Widgets;
```

```
use App\Models\Product;
```

```
use TCG\Voyager\Widgets\BaseDimmer;
```

```
class ProductsWidget extends BaseDimmer
```

```
{
```

```
    protected $config = [];
```

```
    public function run()
```

```
    {
```

```
        $count = Product::count();
```

```
        return view('voyager::dimmer', array_merge($this->config, [
```

```
            'icon'     => 'voyager-bag',
```

```
            'title'    => "Товары",
```

```
            'text'     => "У вас {$count} товаров",
```

```
            'button' => [
```

```
                'text' => 'Просмотреть все товары',
```

```
                'link' => route('voyager.products.index'),
```

```
            ],
```

```
            'image' => voyager_asset('images/widget-backgrounds/02.jpg'),
```

```
        ]));
```

```
    }
```

```
    public function shouldBeDisplayed()
```

```
    {
```

```
        return auth()->user()->can('browse', app(Product::class));
```

```
    }
```

```
}
```

Создадим файл CategoriesWidget.php:

```
<?php
```

```
namespace App\Admin\Widgets;
```

```
use App\Models\Category;
```

```
use TCG\Voyager\Widgets\BaseDimmer;
```

```
class CategoriesWidget extends BaseDimmer
```

```
{
```

```
    protected $config = [];
```

```
    public function run()
```

```
    {
```

```
        $count = Category::count();
```

```
        return view('voyager::dimmer', array_merge($this->config, [
```

```
            'icon' => 'voyager-categories',
```

```
            'title' => "Категории",
```

```
            'text' => "У вас {$count} категорий",
```

```
            'button' => [
```

```
                'text' => 'Просмотреть все категории',
```

```
                'link' => route('voyager.categories.index'),
```

```
            ],
```

```
            'image' => voyager_asset('images/widget-  
backgrounds/03.jpg'),
```

```
        ]));
```

```
    }
```

```
    public function shouldBeDisplayed()
```

```
    {
```

```
        return auth()->user()->can('browse', app(Category::class));
```

```
    }
```

```
}
```

Добавляем виджеты в конфигурацию Voyager (config/voyager.php):

```
<?php
```

```
return [
```

```
    /*
```

```
    |-----
```

```
-----
```

```
    | User config
```

```
    |-----
```

```
-----
```

```
    |
```

```
    | Here you can specify voyager user configs
```

```
    |
```

```

*/
'widgets' => [
    \App\Admin\Widgets\ProductsWidget::class,
    \App\Admin\Widgets\CATEGORIESWidget::class,
],

'user' => [
    'add_default_role_on_register' => true,
    'default_role' => 'user',
    'default_avatar' => 'users/default.png',
    'redirect' => '/admin',
],

/*
|-----
| Controllers config
|-----
|
| Here you can specify voyager controller settings
|
*/

'controllers' => [
    'namespace' => 'TCG\\Voyager\\Http\\Controllers',
],

/*
|-----
| Models config
|-----
|
| Here you can specify default model namespace when creating
BREAD.
| Must include trailing backslashes. If not defined the default
application
| namespace will be used.
|
*/

'models' => [
    // 'namespace' => 'App\\Models\\',
],

/*

```



```

|-----
-----
| Storage Config
|-----
-----
|
| Here you can specify attributes related to your application
file system
|
*/

'storage' => [
    'disk' => 'public',
],

/*
|-----
-----
| Media Manager
|-----
-----
|
| Here you can specify if media manager can show hidden files
like(.gitignore)
|
*/

'hidden_files' => false,

/*
|-----
-----
| Database Config
|-----
-----
|
| Here you can specify voyager database settings
|
*/

'database' => [
    'tables' => [
        'hidden' => ['migrations', 'data_rows', 'data_types',
'menu_items', 'password_resets', 'permission_role',
'personal_access_tokens', 'settings'],
    ],
    'autoload_migrations' => true,
],

```

```

/*
|-----
-----
| Multilingual configuration
|-----
-----
|
| Here you can specify if you want Voyager to ship with support
for | multilingual and what locales are enabled.
|
*/

'multilingual' => [
  /*
   * Set whether or not the multilingual is supported by the
BREAD input.
  */
  'enabled' => false,

  /*
   * Select default language
  */
  'default' => 'en',

  /*
   * Select languages that are supported.
  */
  'locales' => [
    'en',
    //'pt',
  ],
],

/*
|-----
-----
| Dashboard config
|-----
-----
|
| Here you can modify some aspects of your dashboard
|
*/

'dashboard' => [
  // Add custom list items to navbar's dropdown
  'navbar_items' => [
    'voyager::generic.profile' => [

```

```

        'route'      => 'voyager.profile',
        'classes'    => 'class-full-of-rum',
        'icon_class' => 'voyager-person',
    ],
    'voyager::generic.home' => [
        'route'      => '/',
        'icon_class'  => 'voyager-home',
        'target_blank' => true,
    ],
    'voyager::generic.logout' => [
        'route'      => 'voyager.logout',
        'icon_class'  => 'voyager-power',
    ],
],

'widgets' => [

],

],

/*
|-----
| Automatic Procedures
|-----
|
| When a change happens on Voyager, we can automate some
routines.
|
*/

'bread' => [
    // When a BREAD is added, create the Menu item using the
BREAD properties.
    'add_menu_item' => true,

    // which menu add item to
    'default_menu' => 'admin',

    // When a BREAD is added, create the related Permission.
    'add_permission' => true,

    // which role add premissions to
    'default_role' => 'admin',
],

/*

```

```

|-----
| UI Generic Config
|-----
|
| Here you change some of the Voyager UI settings.
|
*/

'primary_color' => '#22A7F0',

'show_dev_tips' => true, // Show development tip "How To Use:"
in Menu and Settings

// Here you can specify additional assets you would like to be
included in the master.blade
'additional_css' => [
    //'css/custom.css',
],

'additional_js' => [
    //'js/custom.js',
],

'googlemaps' => [
    'key' => env('GOOGLE_MAPS_KEY', ''),
    'center' => [
        'lat' => env('GOOGLE_MAPS_DEFAULT_CENTER_LAT',
'32.715738'),
        'lng' => env('GOOGLE_MAPS_DEFAULT_CENTER_LNG', '-
117.161084'),
    ],
    'zoom' => env('GOOGLE_MAPS_DEFAULT_ZOOM', 11),
],

/*
|-----
| Model specific settings
|-----
|
| Here you change some model specific settings
|
*/

'settings' => [
    // Enables Laravel cache method for

```

```

        // storing cache values between requests
        'cache' => false,
    ],

    // Activate compass when environment is NOT local
    'compass_in_production' => false,

    'media' => [
        // The allowed mimetypes to be uploaded through the media-
manager.
        // 'allowed_mimetypes' => '*', //All types can be uploaded
        'allowed_mimetypes' => [
            'image/jpeg',
            'image/png',
            'image/gif',
            'image/bmp',
            'video/mp4',
        ],
        //Path for media-manager. Relative to the filesystem.
        'path' => '/',
        'show_folders' => true,
        'allow_upload' => true,
        'allow_move' => true,
        'allow_delete' => true,
        'allow_create_folder' => true,
        'allow_rename' => true,
        /*'watermark' => [
            'source' => 'watermark.png',
            'position' => 'bottom-left',
            'x' => 0,
            'y' => 0,
            'size' => 15,
        ],
        'thumbnails' => [
            [
                'type' => 'fit',
                'name' => 'fit-500',
                'width' => 500,
                'height'=> 500
            ]
        ]
    ],
];

```

Видим, что появились виджеты категорий и товаров:

