**E-commerce Module**

**1. User Module With Role and Permission**

Install Laravel-permission

You can install the package via composer:

1. composer require spatie/laravel-permission

2. service provider in your config/app.php

'providers' => [

// ...

Spatie\Permission\PermissionServiceProvider::class,

];

3. php artisan vendor:publish --provider="Spatie\Permission\PermissionServiceProvider"

4. php artisan optimize:clear

5. php artisan migrate

6. Add the necessary trait to your User model:

use HasRoles;

Follow link: https://spatie.be/docs/laravel-permission/v6/installation-laravel

In **User** migration file add below this code

Schema::create('users', function (Blueprint $table) {

$table->id();

$table->string('name')->nullable();

$table->string('email')->unique()->nullable();

$table->timestamp('email\_verified\_at')->nullable();

$table->string('mobile')->nullable();

$table->string('password')->nullable();

$table->softDeletes(); /// Optional

$table->enum('status', ['Active', 'Inactive']); /// Optional if required then you will add this line

$table->rememberToken();

$table->timestamps();

});

***Note: If you have any need field you can add for your need***

**2. Category Module**

**You can create Category Model and migration using this single command line**

php artisan make:model Category –m

In **categories** migration file add below this code

**Schema::create('categories', function (Blueprint $table) {**

**$table->id();**

**$table->string('name')->nullable();**

**$table->text('img')->nullable(); //// optional if you need**

**$table->enum('status', ['Active', 'Inactive']);**

**$table->timestamps();**

**});**

***Note: If you have any need field you can add for your need***

**3.SubCategory Module**

**You can create SubCategory Model and migration using this single command line**

php artisan make:model SubCategory –m

In **sub\_categories** migration file add below this code

**Schema::create('sub\_categories', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('category\_id')->nullable();**

**$table->string('name')->nullable();**

**$table->text('img')->nullable(); //// optional if you need**

**$table->enum('status', ['Active', 'Inactive']);**

**$table->timestamps();**

**$table->foreign('category\_id')->references('id')->on('categories');**

**});**

***Note: If you have any need field you can add for your need***

**4. Product Module**

**You can create Product Model and migration using this single command line**

php artisan make:model Product –m

In **products** migration file add below this code

**Schema::create('products', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('category\_id')->nullable();**

**$table->unsignedBigInteger('sub\_category\_id')->nullable();**

**$table->string('name')->nullable();**

**$table->string('actual\_price')->nullable();**

**$table->string('discount\_price')->nullable();**

**$table->longText('desc')->nullable();**

**$table->enum('status', ['Active', 'Inactive']);**

**$table->timestamps();**

**$table->foreign('category\_id')->references('id')->on('categories');**

**$table->foreign('sub\_category\_id')->references('id')->on('sub\_categories');**

**});**

***Note: If you have any need field you can add for your need***

**5. Product Images Module**

**You can create ProductImage Model and migration using this single command line**

php artisan make:model ProductImage –m

In **product\_images** migration file add below this code

**Schema::create('product\_images', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('product\_id')->nullable();**

**$table->string('img')->nullable();**

**$table->string('color')->nullable();**

**$table->enum('status', ['Active', 'Inactive']);**

**$table->timestamps();**

**$table->foreign('product\_id')->references('id')->on('products');**

**});**

***Note: If you have any need field you can add for your need***

**6. Cart Module**

**You can create Cart Model and migration using this single command line**

php artisan make:model Cart –m

In **carts** migration file add below this code

**Schema::create('carts', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('product\_id')->nullable();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->string('uuid')->nullable();**

**$table->string('quantity')->nullable();**

**$table->timestamps();**

**$table->foreign('product\_id')->references('id')->on('products');**

**$table->foreign('user\_id')->references('id')->on('users');**

**});**

***Note: If you have any need field you can add for your need***

**7. Wishlist Module**

**You can create Wishlist Model and migration using this single command line**

php artisan make:model Wishlist –m

In  **wishlists** migration file add below this code

**Schema::create('wishlists', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('product\_id')->nullable();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->string('uuid')->nullable();**

**$table->timestamps();**

**$table->foreign('product\_id')->references('id')->on('products');**

**$table->foreign('user\_id')->references('id')->on('users');**

**});**

***Note: If you have any need field you can add for your need***

**8. Coupon Module**

**You can create Coupon Model and migration using this single command line**

php artisan make:model Coupon –m

In  **coupons** migration file add below this code

**Schema::create('coupons', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->string('coupon\_name')->nullable();**

**$table->string('amount')->nullable();**

**$table->string('quntity')->nullable();**

**$table->date('start\_date')->nullable();**

**$table->date('end\_date')->nullable();**

**$table->string('minimum\_amount')->nullable();**

**$table->string('maximum\_discount\_amount')->nullable();**

**$table->enum('type', ['Percentage', 'Fixed'])->nullable();**

**$table->enum('status', ['Active', 'Inactive'])->nullable();**

**$table->timestamps();**

**$table->foreign('user\_id')->references('id')->on('users');**

**});**

***Note: If you have any need field you can add for your need***

**9. Order Module**

**You can create Order Model and migration using this single command line**

php artisan make:model Order –m

In  **orders** migration file add below this code

**Schema::create('orders', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->unsignedBigInteger('coupon\_id')->nullable();**

**$table->string('amount')->nullable();**

**$table->string('coupon\_amount')->nullable();**

**$table->string('payable\_amount')->nullable();**

**$table->string('order\_generate\_id')->nullable();**

**$table->string('payment\_gateway\_id')->nullable();**

**$table->text('order\_note')->nullable();**

**$table->string('method')->nullable();**

**$table->enum('type', ['COD', 'Online'])->nullable();**

**$table->enum('status', ['Pending', 'Success', 'Delivered'])->nullable();**

**$table->timestamps();**

**$table->foreign('user\_id')->references('id')->on('users');**

**});**

***Note: If you have any need field you can add for your need***

**10. Order Details Module**

**You can create OrderDetail Model and migration using this single command line**

php artisan make:model OrderDetail –m

In  **order\_details** migration file add below this code

**Schema::create('order\_details', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->unsignedBigInteger('order\_id')->nullable();**

**$table->unsignedBigInteger('product\_id')->nullable();**

**$table->text('product\_name')->nullable();**

**$table->string('amount')->nullable();**

**$table->string('quantity')->nullable();**

**$table->string('total\_amount')->nullable();**

**$table->timestamps();**

**$table->foreign('user\_id')->references('id')->on('users');**

**$table->foreign('order\_id')->references('id')->on('orders');**

**$table->foreign('product\_id')->references('id')->on('products');**

**});**

***Note: If you have any need field you can add for your need***

**11. Order Billing Address Module**

**You can create OrderBillingAddress Model and migration using this single command line**

php artisan make:model OrderBillingAddress –m

In  **order\_billing\_addresses** migration file add below this code

**Schema::create('order\_billing\_addresses', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->unsignedBigInteger('order\_id')->nullable();**

**$table->string('f\_name')->nullable();**

**$table->string('l\_name')->nullable();**

**$table->string('company\_name')->nullable();**

**$table->string('country')->nullable();**

**$table->text('street')->nullable();**

**$table->string('city')->nullable();**

**$table->string('district')->nullable();**

**$table->string('zip')->nullable();**

**$table->string('mobile')->nullable();**

**$table->string('email')->nullable();**

**$table->timestamps();**

**$table->foreign('user\_id')->references('id')->on('users');**

**$table->foreign('order\_id')->references('id')->on('orders');**

**});**

***Note: If you have any need field you can add for your need***

**11. Order Ship Address Module**

**You can create OrderShipAddress Model and migration using this single command line**

php artisan make:model OrderShipAddress –m

In  **order\_ship\_addresses** migration file add below this code

**Schema::create('order\_ship\_addresses', function (Blueprint $table) {**

**$table->id();**

**$table->unsignedBigInteger('user\_id')->nullable();**

**$table->unsignedBigInteger('order\_id')->nullable();**

**$table->string('f\_name')->nullable();**

**$table->string('l\_name')->nullable();**

**$table->string('company\_name')->nullable();**

**$table->string('country')->nullable();**

**$table->text('street')->nullable();**

**$table->string('city')->nullable();**

**$table->string('district')->nullable();**

**$table->string('zip')->nullable();**

**$table->string('mobile')->nullable();**

**$table->string('email')->nullable();**

**$table->timestamps();**

**$table->foreign('user\_id')->references('id')->on('users');**

**$table->foreign('order\_id')->references('id')->on('orders');**

**});**

***Note: If you have any need field you can add for your need***