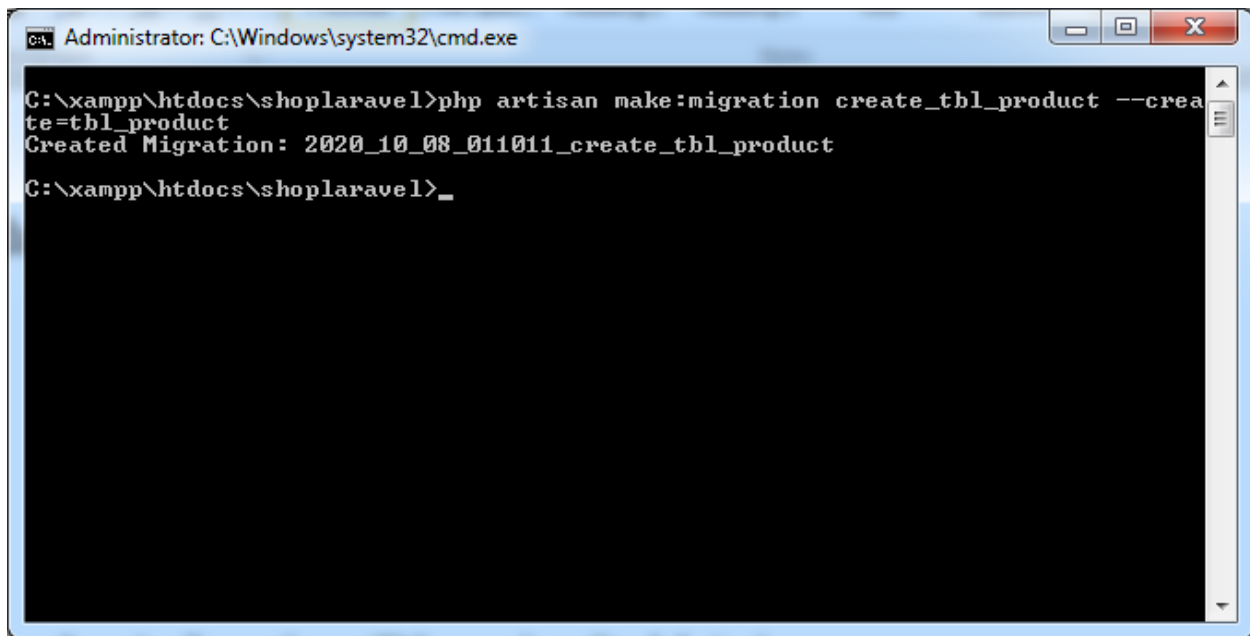


Câu 1. Thêm sản phẩm

Bước 1. Tạo bảng tbl_product

| # | Tên | Kiểu | Bảng mã đối chiếu | Thuộc tính | Null | Mặc định | Ghi chú | Thêm | Hành động |
|----|-----------------|--------------|--------------------|------------|-------|----------|----------------|------|-----------------|
| 1 | product_id | int(10) | | UNSIGNED | Không | Không | AUTO_INCREMENT | | Thay đổi Xóa Th |
| 2 | product_name | varchar(255) | utf8mb4_unicode_ci | | Không | Không | | | Thay đổi Xóa Th |
| 3 | category_id | int(11) | | | Không | Không | | | Thay đổi Xóa Th |
| 4 | brand_id | int(11) | | | Không | Không | | | Thay đổi Xóa Th |
| 5 | product_desc | text | utf8mb4_unicode_ci | | Không | Không | | | Thay đổi Xóa Th |
| 6 | product_content | text | utf8mb4_unicode_ci | | Không | Không | | | Thay đổi Xóa Th |
| 7 | product_price | varchar(255) | utf8mb4_unicode_ci | | Không | Không | | | Thay đổi Xóa Th |
| 8 | product_image | varchar(255) | utf8mb4_unicode_ci | | Không | Không | | | Thay đổi Xóa Th |
| 9 | product_status | int(11) | | | Không | Không | | | Thay đổi Xóa Th |
| 10 | created_at | timestamp | | | Có | NULL | | | Thay đổi Xóa Th |
| 11 | updated_at | timestamp | | | Có | NULL | | | Thay đổi Xóa Th |

Php artisan make:migration create_tbl_product --create=tbl_product



```
Administrator: C:\Windows\system32\cmd.exe
C:\xampp\htdocs\shoplaravel>php artisan make:migration create_tbl_product --create=tbl_product
Created Migration: 2020_10_08_011011_create_tbl_product
C:\xampp\htdocs\shoplaravel>
```

- Trong thư mục migration → Mở tệpcreate_tbl_product bổ sung các cột sau:

public function up()

{

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

\$table->increments('product_id');

\$table->string('product_name');

\$table->string('product_slug');

\$table->integer('category_id');

\$table->integer('brand_id');

\$table->text('product_desc');

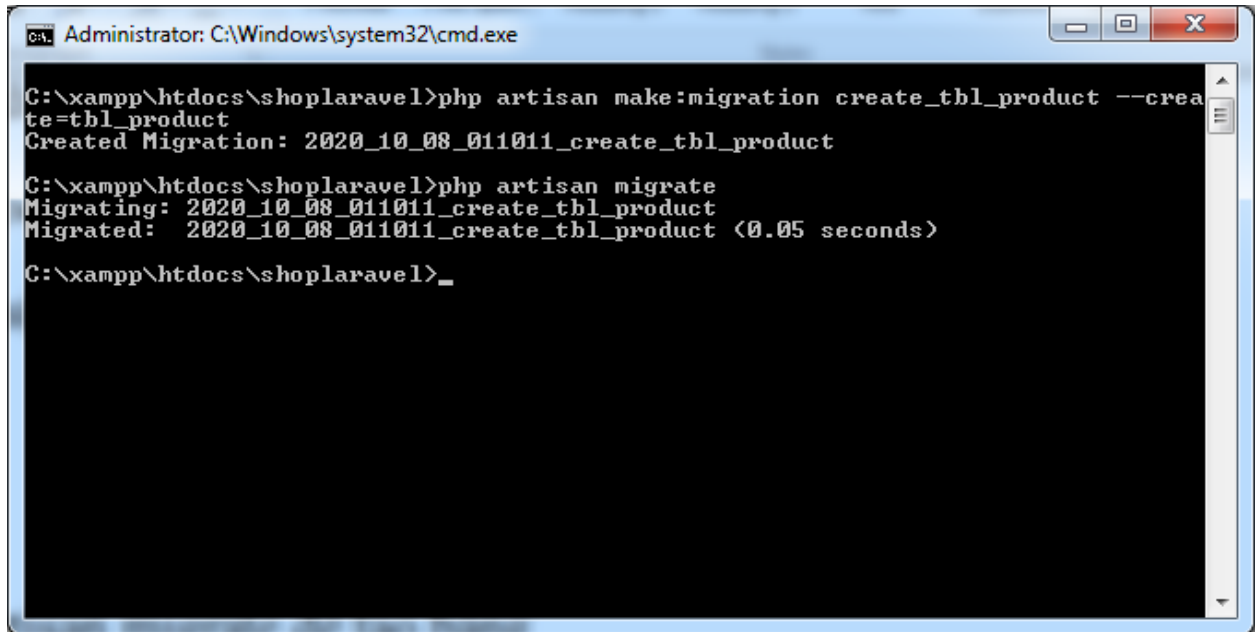
\$table->text('product_content');

\$table->string('product_price');

\$table->string('product_image');

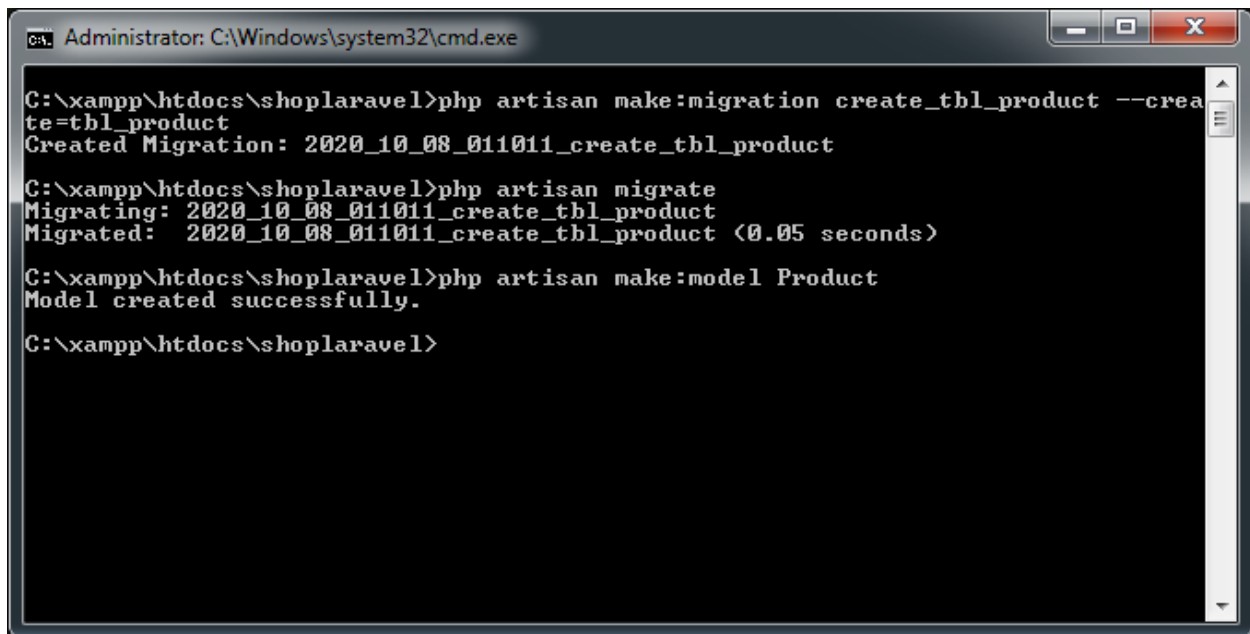
```
$table->integer('product_status');  
  
$table->timestamps();  
  
});  
  
}
```

- Thực thi lệnh php artisan migrate để tạo bảng



```
C:\Windows\system32\cmd.exe  
  
C:\xampp\htdocs\shoplaravel>php artisan make:migration create_tbl_product --crea  
te=tbl_product  
Created Migration: 2020_10_08_011011_create_tbl_product  
  
C:\xampp\htdocs\shoplaravel>php artisan migrate  
Migrating: 2020_10_08_011011_create_tbl_product  
Migrated: 2020_10_08_011011_create_tbl_product (0.05 seconds)  
  
C:\xampp\htdocs\shoplaravel>_
```

Bước 2. Tạo model Product như sau:



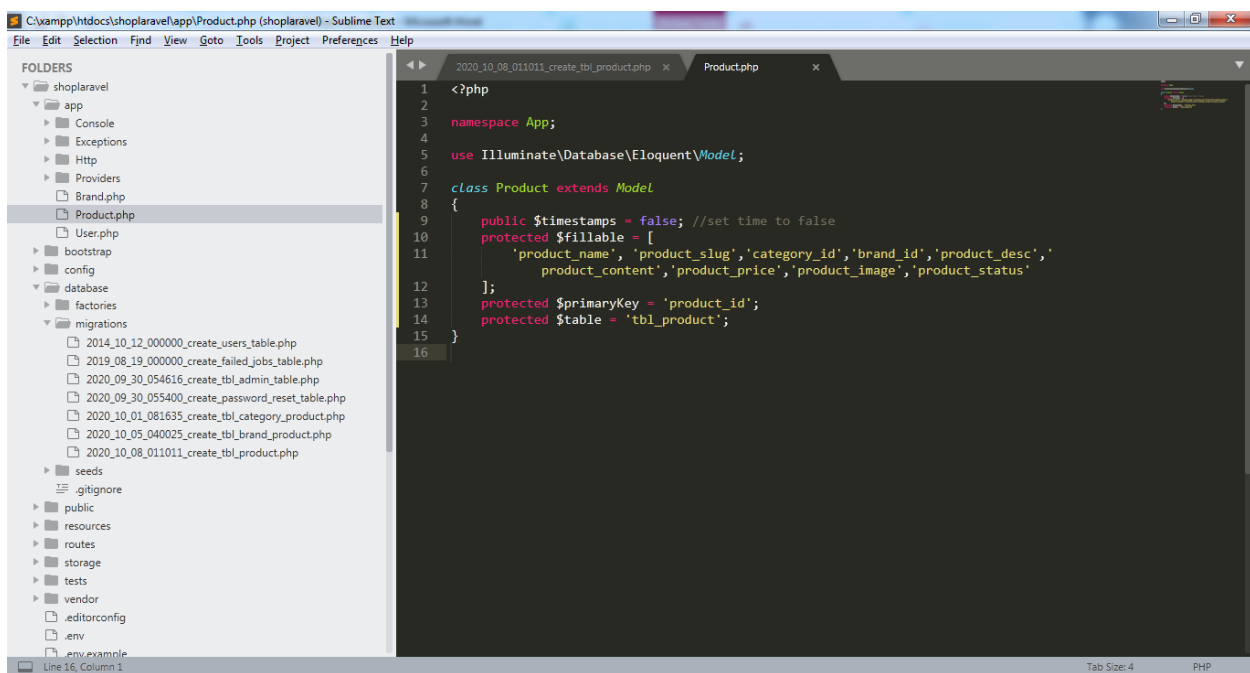
```
C:\xampp\htdocs\shoplaravel>php artisan make:migration create_tbl_product --create=tbl_product
Created Migration: 2020_10_08_011011_create_tbl_product

C:\xampp\htdocs\shoplaravel>php artisan migrate
Migrating: 2020_10_08_011011_create_tbl_product
Migrated: 2020_10_08_011011_create_tbl_product (0.05 seconds)

C:\xampp\htdocs\shoplaravel>php artisan make:model Product
Model created successfully.

C:\xampp\htdocs\shoplaravel>
```

Trong thư mục app tạo tệp Product.php như sau



```
C:\xampp\htdocs\shoplaravel\app\Product.php (shoplaravel) - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help

FOLDERS
shoplaravel
├── app
│   ├── Console
│   ├── Exceptions
│   ├── Http
│   ├── Providers
│   ├── Brand.php
│   ├── Product.php
│   └── User.php
├── bootstrap
├── config
├── database
│   ├── factories
│   └── migrations
│       ├── 2014_10_12_000000_create_users_table.php
│       ├── 2019_08_19_000000_create_failed_jobs_table.php
│       ├── 2020_09_30_054616_create_tbl_admin_table.php
│       ├── 2020_09_30_055400_create_password_reset_table.php
│       ├── 2020_10_01_081635_create_tbl_category_product.php
│       ├── 2020_10_05_040025_create_tbl_brand_product.php
│       └── 2020_10_08_011011_create_tbl_product.php
├── seeds
│   └── .gitignore
├── public
├── resources
├── routes
├── storage
├── tests
├── vendor
├── .editorconfig
├── .env
└── .env.example

2020_10_08_011011_create_tbl_product.php x Product.php x

1 <?php
2
3 namespace App;
4
5 use Illuminate\Database\Eloquent\Model;
6
7 class Product extends Model
8 {
9
10     public $timestamps = false; //set time to false
11     protected $fillable = [
12         'product_name', 'product_slug', 'category_id', 'brand_id', 'product_desc',
13         'product_content', 'product_price', 'product_image', 'product_status'
14     ];
15     protected $primaryKey = 'product_id';
16     protected $table = 'tbl_product';
17 }
```

Khai báo thuộc tính cho lớp Product như sau

```
<?php

namespace App;
```

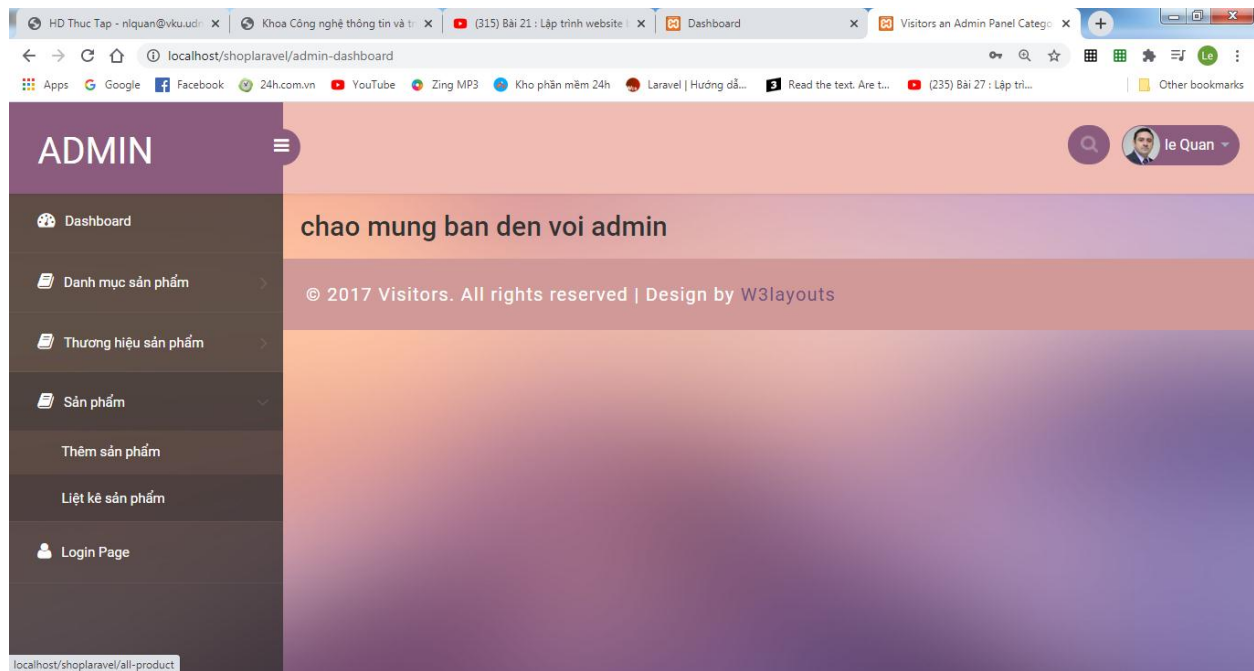
```

use Illuminate\Database\Eloquent\Model;

class Product extends Model
{
    public $timestamps = false; //set time to false
    protected $fillable = [
        'product_name',
        'product_slug','category_id','brand_id','product_desc','product_content','product_price','product_image','product_status'
    ];
    protected $primaryKey = 'product_id';
    protected $table = 'tbl_product';
}

```

Bước 3. Thiết kế giao diện tran admin → thêm menu thêm sản phẩm và liệt kê sản phẩm



```
<li class="sub-menu">
```

```
<a href="javascript:;">
```

```
<i class="fa fa-book"></i>
```

```

        <span>Sản phẩm</span>

    </a>

    <ul class="sub">

        <li><a href="{{URL::to('/add-product')}}">Thêm sản phẩm</a></li>

        <li><a href="{{URL::to('/all-product')}}">Liệt kê sản phẩm</a></li>

    </ul>

</li>

```

Bước 4. Trong thư mục admin tạo tệp add_product.blade.php có nội dung như sau:

```

@extends('admin_layout')

@section('admin_content')

<div class="row">

    <div class="col-lg-12">

        <section class="panel">

            <header class="panel-heading">

                Thêm sản phẩm

            </header>

            <?php

                $message = Session::get('message');

                if($message){

```

```
        echo '<span class="text-alert">'.$message.'</span>';

        Session::put('message',null);

    }

?>

<div class="panel-body">

    <div class="position-center">

        <form role="form" action="{ { URL::to('/save-product') } }"
method="post" enctype="multipart/form-data">

            { { csrf_field() } }

            <div class="form-group">

                <label for="exampleInputEmail1">Tên sản phẩm</label>

                <input type="text" data-validation="length" data-validation-
length="min10" data-validation-error-msg="Làm ơn điền ít nhất 10 ký tự"
name="product_name" class="form-control" id="exampleInputEmail1"
placeholder="Tên danh mục">

            </div>

            <div class="form-group">

                <label for="exampleInputEmail1">Slug</label>

                <input type="text" name="product_slug" class="form-
control" id="exampleInputEmail1" placeholder="Tên danh mục">

            </div>

            <div class="form-group">

                <label for="exampleInputEmail1">Giá sản phẩm</label>
```

```
<input type="text" data-validation="number" data-  
validation-error-msg="Làm ơn điền số tiền" name="product_price" class="form-  
control" id="" placeholder="Tên danh mục">
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="exampleInputEmail1">Hình ảnh sản  
phẩm</label>
```

```
<input type="file" name="product_image" class="form-  
control" id="exampleInputEmail1">
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="exampleInputPassword1">Mô tả sản  
phẩm</label>
```

```
<textarea style="resize: none" rows="8" class="form-  
control" name="product_desc" id="ckeditor1" placeholder="Mô tả sản  
phẩm"></textarea>
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="exampleInputPassword1">Nội dung sản  
phẩm</label>
```

```
<textarea style="resize: none" rows="8" class="form-  
control" name="product_content" id="id4" placeholder="Nội dung sản  
phẩm"></textarea>
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="exampleInputPassword1">Danh mục sản  
phẩm</label>
```



```

        <select name="product_cate" class="form-control input-sm
m-bot15">

            @foreach($cate_product as $key => $cate)

                <option value="{{ $cate->category_id }}">{{ $cate-
>category_name }}</option>

            @endforeach

        </select>

    </div>

    <div class="form-group">

        <label for="exampleInputPassword1">Thương hiệu</label>

        <select name="product_brand" class="form-control input-
sm m-bot15">

            @foreach($brand_product as $key => $brand)

                <option value="{{ $brand->brand_id }}">{{ $brand-
>brand_name }}</option>

            @endforeach

        </select>

    </div>

    <div class="form-group">

        <label for="exampleInputPassword1">Hiển thị</label>

        <select name="product_status" class="form-control input-
sm m-bot15">

```

```
<option value="0">Ẩn</option>
<option value="1">Hiện thị</option>

</select>

</div>

<button type="submit" name="add_product" class="btn btn-
info">Thêm sản phẩm</button>

</form>

</div>

</div>

</section>

</div>

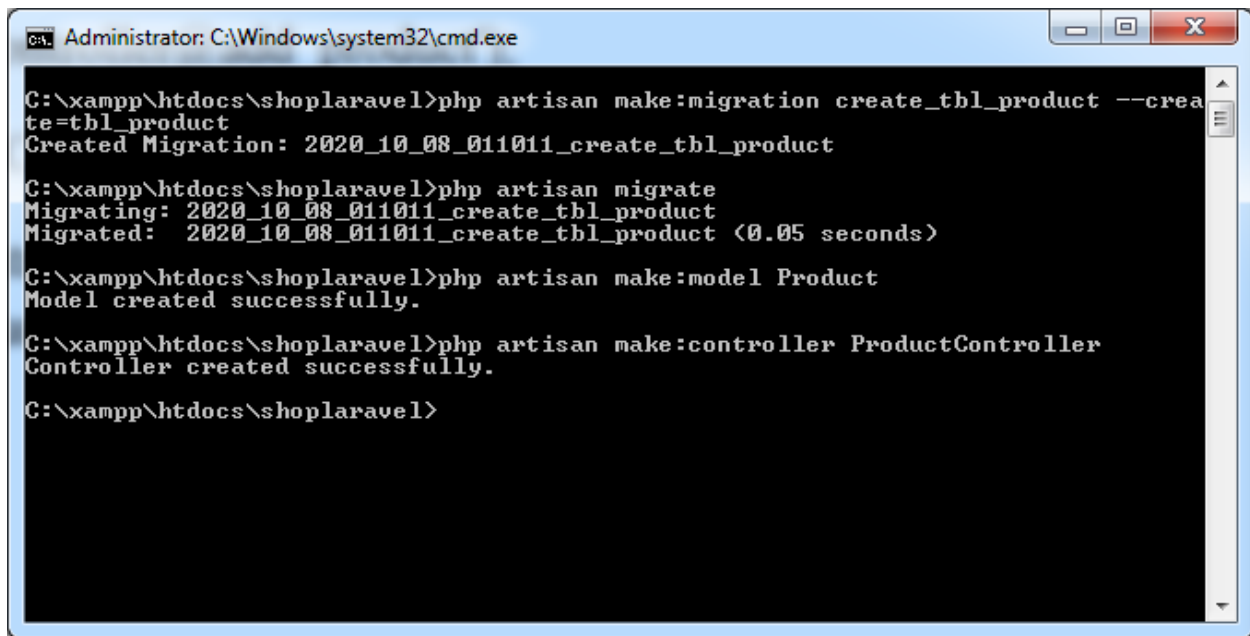
@endsection
```

Bước 5. Tạo routes/web.php gọi hàm xóa và lưu như sau

```
Route::get('/add-product','ProductController@add_product');
```

```
Route::post('/save-product','ProductController@save_product');
```

Bước 6. Tạo Controller ProductController. Trong controller này tạo 2 hàm add_product và save_product như sau:



```
C:\Windows\system32\cmd.exe

C:\xampp\htdocs\shoplaravel>php artisan make:migration create_tbl_product --create=tbl_product
Created Migration: 2020_10_08_011011_create_tbl_product

C:\xampp\htdocs\shoplaravel>php artisan migrate
Migrating: 2020_10_08_011011_create_tbl_product
Migrated: 2020_10_08_011011_create_tbl_product <0.05 seconds>

C:\xampp\htdocs\shoplaravel>php artisan make:model Product
Model created successfully.

C:\xampp\htdocs\shoplaravel>php artisan make:controller ProductController
Controller created successfully.

C:\xampp\htdocs\shoplaravel>
```

Khai báo thư viện

```
use Illuminate\Http\Request;
```

```
use DB;
```

```
use Session;
```

```
use App\Http\Requests;
```

```
use Illuminate\Support\Facades\Redirect;
```

```
session_start();
```

- Tạo hàm add_product

```
public function add_product(){
```

```
    $this->AuthLogin();
```

```
    $cate_product = DB::table('tbl_category_product')->orderby('category_id','desc')->get();
```

```
    $brand_product = DB::table('tbl_brand')->orderby('brand_id','desc')->get();
```

```
return view('admin.add_product')->with('cate_product', $cate_product)->with('brand_product', $brand_product);
```

```
}
```

- Tạo hàm save_product thực thi nút Thêm sản phẩm

```
public function save_product(Request $request){  
    $this->AuthLogin();  
    $data = array();  
    $data['product_name'] = $request->product_name;  
    $data['product_slug'] = $request->product_slug;  
    $data['product_price'] = $request->product_price;  
    $data['product_desc'] = $request->product_desc;  
    $data['product_content'] = $request->product_content;  
    $data['category_id'] = $request->product_cate;  
    $data['brand_id'] = $request->product_brand;  
    $data['product_status'] = $request->product_status;  
    $data['product_image'] = $request->product_status;  
    $get_image = $request->file('product_image');  
  
    if($get_image){  
        $get_name_image = $get_image->getClientOriginalName();
```

```
$name_image = current(explode('.', $get_name_image));  
  
$new_image = $name_image.rand(0,99).'.'.$get_image->getClientOriginalExtension();  
  
$get_image->move('public/uploads/product', $new_image);  
  
$data['product_image'] = $new_image;  
  
DB::table('tbl_product')->insert($data);  
  
Session::put('message', 'Thêm sản phẩm thành công');  
  
return Redirect::to('add-product');  
  
}  
  
$data['product_image'] = "";  
  
DB::table('tbl_product')->insert($data);  
  
Session::put('message', 'Thêm sản phẩm thành công');  
  
return Redirect::to('all-product');  
  
}
```

Câu 2. Tạo trang liệt kê sản phẩm trang admin

Bước 1. Tạo giao diện trang liệt kê sản phẩm. Trong thư mục view/admin tạo tệp all_product.blade.php

```
@extends('admin_layout')  
  
@section('admin_content')  
  
    <div class="table-agile-info">  
  
    <div class="panel panel-default">  
  
        <div class="panel-heading">
```

Liệt kê sản phẩm

</div>

<div class="row w3-res-tb">

<div class="col-sm-5 m-b-xs">

<select class="input-sm form-control w-sm inline v-middle">

<option value="0">Bulk action</option>

<option value="1">Delete selected</option>

<option value="2">Bulk edit</option>

<option value="3">Export</option>

</select>

<button class="btn btn-sm btn-default">Apply</button>

</div>

<div class="col-sm-4">

</div>

<div class="col-sm-3">

<div class="input-group">

<input type="text" class="input-sm form-control" placeholder="Search">

<button class="btn btn-sm btn-default" type="button">Go!</button>

</div>

</div>

</div>

```
<div class="table-responsive">

    <?php

        $message = Session::get('message');

        if($message){

            echo '<span class="text-alert">'.$message.'</span>';

            Session::put('message',null);

        }

    ?>

<table class="table table-striped b-t b-light">

<thead>

<tr>

    <th style="width:20px;">

        <label class="i-checks m-b-none">

            <input type="checkbox"><i></i>

        </label>

    </th>

    <th>Tên sản phẩm</th>

    <th>Slug</th>

    <th>Giá</th>

    <th>Hình sản phẩm</th>

    <th>Danh mục</th>

    <th>Thương hiệu</th>
```

```

        <th>Hiện thị</th>

        <th style="width:30px;"></th>

    </tr>

</thead>

<tbody>

    @foreach($all_product as $key => $pro)

    <tr>

        <td><label class="i-checks m-b-none"><input type="checkbox"
name="post[]"><i></i></label></td>

        <td>{{ $pro->product_name }}</td>

        <td>{{ $pro->product_slug }}</td>

        <td>{{ $pro->product_price }}</td>

        <td></td>

        <td>{{ $pro->category_name }}</td>

        <td>{{ $pro->brand_name }}</td>

        <td><span class="text-ellipsis">

            <?php

                if($pro->product_status==0){

                    ?>

                    <a href="{{ URL::to('/unactive-product/'.$pro->product_id) }}"><span
class="fa-thumb-styling fa fa-thumbs-up"></span></a>

```



```

        <?php
        }else{
        ?>

        <a href="{ {URL::to('/active-product/'.$pro->product_id)} }"><span
class="fa-thumb-styling fa fa-thumbs-down"></span></a>

        <?php
        }
        ?>

    </span></td>

    <td>

        <a href="{ {URL::to('/edit-product/'.$pro->product_id)} }" class="active
styling-edit" ui-toggle-class="">

            <i class="fa fa-pencil-square-o text-success text-active"></i></a>

            <a onclick="return confirm('Bạn có chắc là muốn xóa sản phẩm này
ko?')" href="{ {URL::to('/delete-product/'.$pro->product_id)} }" class="active
styling-edit" ui-toggle-class="">

                <i class="fa fa-times text-danger text"></i>

            </a>

        </td>

    </tr>

    @endforeach

</tbody>

</table>

```

<footer class="panel-footer">

<div class="row">

```
<div class="col-sm-5 text-center">
```

showing 20-30 of 50 items

<div class="col-sm-7 text-right text-center-xs">

- [1](#)
- [2](#)
- [3](#)
- [4](#)
- [5](#)
- [6](#)
- [7](#)
- [8](#)
- [9](#)
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- [99](#)
- [100](#)

- [*fa fa-chevron-left*](#)
- [1](#)
- [2](#)
- [3](#)
- [4](#)
- [*fa fa-chevron-right*](#)

@endsection

Bước 2. Mở routes/web.php bổ sung lệnh gọi hàm all_product

```
Route::get('/all-product','ProductController@all_product');
```

```
Route::get('/unactive-product/{product_id}','ProductController@unactive_product');
```

```
Route::get('/active-product/{product_id}','ProductController@active_product');
```

Bước 3. Mở controller Product_Controller thực hiện tạo hàm all_product như sau

```
public function all_product(){  
    $this->AuthLogin();  
    $all_product = DB::table('tbl_product')  
    -  
>join('tbl_category_product','tbl_category_product.category_id','=','tbl_product.category_id')  
    ->join('tbl_brand','tbl_brand.brand_id','=','tbl_product.brand_id')  
    ->orderby('tbl_product.product_id','desc')->get();  
    $manager_product = view('admin.all_product')->with('all_product',$all_product);  
    return view('admin_layout')->with('admin.all_product', $manager_product);  
}
```

Bước 4. Tạo chức năng unactive và active để ẩn hiện sản phẩm

```
public function unactive_product($product_id){  
    $this->AuthLogin();
```

```
DB::table('tbl_product')->where('product_id',$product_id)->update(['product_status'=>1]);

Session::put('message','Không kích hoạt sản phẩm thành công');

return Redirect::to('all-product');

}

public function active_product($product_id){

    $this->AuthLogin();

    DB::table('tbl_product')->where('product_id',$product_id)->update(['product_status'=>0]);

    Session::put('message','Không kích hoạt sản phẩm thành công');

    return Redirect::to('all-product');

}
```