**Ecommerce Notes for Students**

1. **Categories Migrations and CRUD**

Here we will be working on creating categories for our ecommerce project

php artisan make:model Category –m

php artisan make:controller CategoryController

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| **create\_categories.table.php** |
| Schema::*create*(**'categories'**, **function** (Blueprint $table) {  $table->increments(**'id'**);  $table->integer(**'parent\_id'**);  $table->string(**'name'**);  $table->text(**'description'**);  $table->string(**'slug'**);  $table->tinyInteger(**'status'**);  $table->timestamps(); }); |

php artisan migrate

Now we will be creating route for adding our categories

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| **web.php** |
| Route::*match*([**'get'**, **'post'**], **'/admin/add-category'**, **'CategoryController@addCategory'**)->name(**'category.add'**); |
| **CategoryController.php** |
| public function addCategory(){  return view ('admin.categories.add\_category'); } |

Now create a new folder and files: **admin/categories/add\_category.blade.php**

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| **add\_category.blade.php** |
| @extends('admin.adminLayouts.admin\_design') @section('content')  @endsection |

Now in sidebar we will add our routes

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| **sidebar.blade.php** |
| <**li class="sidebar-item"**>  <**a class="sidebar-link waves-effect waves-dark sidebar-link" href="**{{route(**'admin.dashboard'**)}}**" aria-expanded="false"**>  <**i class="fas fa-tachometer-alt"**></**i**>  <**span class="hide-menu"**>Dashboard</**span**>  </**a**> </**li**>  <**li class="sidebar-item"**>  <**a class="sidebar-link has-arrow waves-effect waves-dark" href="javascript:void(0)" aria-expanded="false"**>  <**i class="fas fa-filter"**></**i**>  <**span class="hide-menu"**>Categories </**span**>  </**a**>  <**ul aria-expanded="false" class="collapse first-level"**>  <**li class="sidebar-item"**>  <**a href="**{{route(**'category.add'**)}}**" class="sidebar-link"**>  <**i class="icon-Record"**></**i**>  <**span class="hide-menu"**> Add Category</**span**>  </**a**>  </**li**>  <**li class="sidebar-item"**>  <**a href="" class="sidebar-link"**>  <**i class="icon-Record"**></**i**>  <**span class="hide-menu"**> View Categories </**span**>  </**a**>  </**li**>   </**ul**> </**li**> |

Now we will be creating a form in our add\_category.blade.php

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| **@extends('admin.adminLayouts.admin\_design')  @section('content')** <**div class="page-breadcrumb"**>  <**div class="row"**>  <**div class="col-5 align-self-center"**>  <**h4 class="page-title"**>Categories</**h4**>  <**div class="d-flex align-items-center"**>   </**div**>  </**div**>  <**div class="col-7 align-self-center"**>  <**div class="d-flex no-block justify-content-end align-items-center"**>  <**nav aria-label="breadcrumb"**>  <**ol class="breadcrumb"**>  <**li class="breadcrumb-item"**>  <**a href="**{{route(**'admin.dashboard'**)}}**"**>Home</**a**>  </**li**>  <**li class="breadcrumb-item active" aria-current="page"**>Categories</**li**>  </**ol**>  </**nav**>  </**div**>  </**div**>  </**div**>  </**div**>   <**div class="container-fluid"**>   <**div class="row"**>  <**div class="col-sm-12"**>  <**div class="card"**>  <**div class="card-body"**>  <**h4 class="card-title"**>Add a New Category</**h4**>  <**form class="form" method="post" action="**{{route(**'category.add'**)}}**" id="add\_category" name="add\_category"**>  **@csrf** <**div class="form-group m-t-40 row"**>  <**label for="name" class="col-2 col-form-label"**>Category Name</**label**>  <**div class="col-10"**>  <**input class="form-control" type="text" name="name" id="name" placeholder="Please Enter Category Name"**>  </**div**>  </**div**>   <**div class="form-group row"**>  <**label for="" class="col-2 col-form-label"**>Category Level</**label**>  <**div class="col-10"**>  <**select class="custom-select col-12" name="parent\_id" id="parent\_id"**>  <**option value="0"**>Main Category</**option**>  </**select**>  </**div**>  </**div**>   <**div class="form-group m-t-40 row"**>  <**label for="description" class="col-2 col-form-label"**>Description</**label**>  <**div class="col-10"**>  <**textarea name="description" id="description" cols="30" rows="10" class="form-control col-12"**></**textarea**>  </**div**>  </**div**>   <**div class="form-group m-t-40 row"**>  <**div class="col-10"**>  <**div class="custom-control custom-checkbox mr-sm-2"**>  <**input type="checkbox" class="custom-control-input" id="status" name="status"**>  <**label class="custom-control-label" for="status"**>Status</**label**>  </**div**>  </**div**>  </**div**>   <**div class="form-group row"**>  <**div class="text-center"**>  <**input type="submit" name="submit" class="btn btn-primary" value="Insert Category"**>  </**div**>  </**div**>  </**form**>  </**div**>  </**div**>  </**div**>  </**div**>  </**div**>  **@endsection** |

Now we will be creating a validation for our products

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| **add\_category.blade.php** |
| **@section('script')** <**script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-validate/1.16.0/jquery.validate.js?fbclid=IwAR0gve14W2V8EXN6DR0mdbmJ6\_pcNkxyRRcUjMPer\_eKY7pwwSj8E-WcaKM"**> </**script**>  <**script type="text/javascript"**>  *$*(***document***).ready(**function** () {  *$*(**"#add\_category"**).validate({  **rules**: {  **name**: {  **required**: **true** },  **description**: {  **required**: **true** },   } ,  **messages** : {  **name**: {  **required**: **"<span class='text-danger'> Please Enter Category Name </span>"** },  **description**: {  **required** : **"<span class='text-danger'> Please Insert Description </span>"** },    }  });  });   </**script**>  **@endsection** |

Now storing the value

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| **CategoryController.php** |
| **public function** addCategory(Request $request){  **if**($request->isMethod(**'post'**)){  $data = $request->all();  $category = **new** Category;  $category->**name** = *ucwords*(*strtolower*($data[**'name'**]));  $category->**description** = $data[**'description'**];  $category->**slug** = str\_slug($data[**'name'**]);  **if**($request->**status** = **"checked"**){  $category->**status** = **"1"**;  } **else** {  $category->**status** = **"0"**;  }  $category->**parent\_id** = $data[**'parent\_id'**];  $category->save();  **return** redirect()->back();  }  **return** view (**'admin.categories.add\_category'**); } |