**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'**); } |

Now we will be displaying categories in datatables

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| **web.php** |
| Route::*get*(**'/admin/view-categories'**, **'CategoryController@viewCategories'**)->name(**'category.view'**); |

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| **CategoryController.php** |
| **public function** viewCategories(){  $categories = Category::*latest*()->get();  **return** view (**'admin.categories.view\_categories'**, *compact*(**'categories'**)); } |

Create a new blade file inside categories folder and name it **view\_categories.blade.php**

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

**Now update sidebar**

<**li class="sidebar-item"**>  
 <**a href="**{{route(**'category.view'**)}}**" class="sidebar-link"**>  
 <**i class="icon-Record"**></**i**>  
 <**span class="hide-menu"**> View Categories </**span**>  
 </**a**>  
</**li**>

**Now we will be working on our view categories page we will the code form datatables html file and customize**

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| **@foreach(**$categories **as** $category**)** <**tr**>  <**td**>{{$loop->**index** +1}}</**td**>  <**td**>{{$category->**name**}}</**td**>  <**td**>{{$category->**parent\_id**}}</**td**>  <**td**>  {{str\_limit($category->**description**, 40, **'[...]'**)}}  </**td**>  <**td**>{{$category->**slug**}}</**td**>  <**td**>  **@if(**$category->**status** == 1**)** <**span class="badge badge-success"**>Active</**span**>  **@else** <**span class="badge badge-warning"**>Inctive</**span**>  **@endif** </**td**>  <**td**>  <**a href="#" class="btn btn-info"**>  <**i class="fa fa-edit"**></**i**>  </**a**>  <**a href="#" class="btn btn-danger"**>  <**i class="fa fa-trash"**></**i**>  </**a**>  </**td**>  </**tr**>  **@endforeach** |

**\*\*\* Note: Do not forget to import css and js files too**

**Now we will be using toastr js for our flash messages**

**We will get the css and js for the toastr js**

header.blade.php

<**link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/toastr.js/latest/toastr.css"**>

**scripts.blade.php**

<**script src="https://cdnjs.cloudflare.com/ajax/libs/toastr.js/latest/toastr.min.js"**></**script**>

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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();  below code is only added  Session::*flash*(**'success'**, **'Category Has Been Inserted Successfully'**);  **return** redirect()->route(**'category.view'**);  till here changes  }  **return** view (**'admin.categories.add\_category'**); } |

Now

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| **view\_categories.blade.php** |
| <**script**>  **@if(**Session::*has*(**'success'**)**)  toastr**.success(**'**{{Session::*get*(**'success'**)}}**'**)  **@endif** </**script**> |

Now we will be editing and updating our category

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| **web.php** |
| Route::*match*([**'get'**, **'post'**], **'/admin/edit-category/{id}'**, **'CategoryController@editCategory'**)->name(**'category.edit'**); |

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| **CategoryController.php** |
| **public function** editCategory(Request $request, $id = **null**){  $category = Category::*where*([**'id'** => $id])->first();  **return** view (**'admin.categories.edit\_category'**)->with(*compact*(**'category'**)); } |

For edit category page we will copy add page and we will be customizing it

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| **edit\_category.blade.php** |
| <**form class="form" method="post" action="**{{route(**'category.edit'**, $category->**id**)}}**" id="add\_category" name="add\_category"**>  <**input class="form-control" type="text" name="name" id="name" value="**{{$category->**name**}}**"**>  <**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" @if(**$category->**status** == **"1") checked @endif**>  <**label class="custom-control-label" for="status"**>Status</**label**>  </**div**>  </**div**> </**div**> |

Now for updating we will be modifying our editProduct at controller

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| **public function** editCategory(Request $request, $id = **null**){  $category = Category::*where*([**'id'** => $id])->first();   **if**($request->isMethod(**'post'**)){  $data = $request->all();  **if**(**empty**($data[**'status'**])){  $data[**'status'**] = **"0"**;  } **else** {  $data[**'status'**] = **"1"**;  }  Category::*where*([**'id'** => $id])->update([**'name'** => *ucwords*(*strtolower*($data[**'name'**])) , **'parent\_id'** => $data[**'parent\_id'**] , **'description'** => $data[**'description'**] , **'slug'** => str\_slug($data[**'name'**]) , **'status'** => $data[**'status'**]  ]);  Session::*flash*(**'info'**, **'Category Has Been Updated'**);  **return** redirect()->route(**'category.view'**);  }  **return** view (**'admin.categories.edit\_category'**)->with(*compact*(**'category'**)); } |

Now for deleting

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| **web.php** |
| Route::*match*([**'get'**, **'post'**], **'/admin/delete-category/{id}'**, **'CategoryController@deleteCategory'**)->name(**'category.delete'**); |

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| CatgeoryController.php |
| **public function** deleteCategory($id = **null**){  **if**(!**empty**($id)){  Category::*where*([**'id'** => $id])->delete();  Session::*flash*(**'danger'**, **'Category Has Been Permanently Deleted'**);  **return** redirect()->route(**'category.view'**);  } } |

**For deleting we will be using sweet alert**

<**a rel="**{{$category->**id**}}**" rel1="delete-category" href="javascript:" class="btn btn-danger deleteRecord"**>  
 <**i class="fa fa-trash"**></**i**>  
</**a**>

|  |
| --- |
| <**script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/sweetalert/1.1.3/sweetalert.min.js"**> </**script**> <**script**>  *$*(***document***).ready(**function** () {  *$*(**".deleteRecord"**).click(**function**(){  **var** id = *$*(**this**).attr(**'rel'**);  **var** deleteFunction = *$*(**this**).attr(**'rel1'**);  **swal**({  **title**: **"Are You Sure"**,  **text**: **"You will not be able to recover this record again"**,  **type**: **"warning"**,  **showCancelButton**: **true**,  **confirmButtonClass**: **"btn-danger"**,  **confirmButtonText**: **"Yes, Delete it!"** },  **function**(){  ***window***.location.href=**"/meropasal/admin/"**+deleteFunction+**"/"**+id;  }  );  });  }); </**script**> |

**For displaying all toastr messages**

**Do not forget to import css and js for sweet alert too**

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| <**script**>  **@if(**Session::*has*(**'success'**)**)  toastr**.success(**'**{{Session::*get*(**'success'**)}}**'**)  **@endif   @if(**Session::*has*(**'info'**)**)  toastr**.info(**'**{{Session::*get*(**'info'**)}}**'**)  **@endif   @if(**Session::*has*(**'danger'**)**)  toastr**.error(**'**{{Session::*get*(**'danger'**)}}**'**)  **@endif** </**script**> |

Adding Sub Categories to Categories

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| --- |
| **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();  Session::*flash*(**'success'**, **'Category Has Been Inserted Successfully'**);  **return** redirect()->route(**'category.view'**);  }   $levels = Category::*where*([**'parent\_id'** => 0])->get(); added this  **return** view (**'admin.categories.add\_category'**, *compact*(**'levels'**)); } |

|  |
| --- |
| **add\_category.blade.php** |
| <**select class="custom-select col-12" name="parent\_id" id="parent\_id"**>  <**option value="0"**>Main Category</**option**>  changed this  **@foreach(**$levels **as** $level**)** <**option value="**{{$level->**id**}}**"**>{{$level->**name**}}</**option**>  **@endforeach**  **till here** </**select**> |

Same process for edit too

Also, for displaying category name

<**td**>  
 **@if(**$category->**parent\_id** == 0**)** <**span class="badge badge-primary"**>{{ **'Main Category'** }}</**span**>  
 **@endif  
 @foreach(**$categories **as** $c**)  
 @if(**$c->**id** == $category->**parent\_id)** <**span class="badge badge-info"**>{{ $c->**name** }}</**span**>  
 **@endif  
 @endforeach**</**td**>

**Products Section**

**php artisan make:model Products –m**

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| Create\_products\_table.php |
| Schema::*create*(**'products'**, **function** (Blueprint $table) {  $table->increments(**'id'**);  $table->integer(**'category\_id'**);  $table->string(**'product\_name'**);  $table->string(**'product\_code'**);  $table->string(**'prodcut\_color'**);  $table->text(**'description'**);  $table->float(**'price'**);  $table->string(**'image'**);  $table->timestamps(); }); |

**php artisan migrate**

**php artisan make:contyroller ProductsController**

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| --- |
| **web.php** |
| Route::*match*([**'get'**, **'post'**], **'admin/add-product'**, **'ProductsController@addProduct'**)->name(**'product.add'**); |
| ProductController.php |
| **public function** addProduct(Request $request){  **return** view (**'admin.products.add\_product'**);  } |

**Create a new file:** add\_product.blade.php

**Copy and customize from add category page and get the form for inserting all the products**

For displaying categories in add product

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| **public function** addProduct(Request $request){  $categories = Category::*where*([**'parent\_id'** => 0])->get();  $categories\_dropdown = **"<option selected disabled> Select </option>"**;  **foreach**($categories **as** $cat){  $categories\_dropdown .= **"<option value='"**.$cat->**id**.**"'>"**.$cat->**name**.**"</option>"**;  $sub\_categories = Category::*where*([**'parent\_id'** => $cat->**id**])->get();  **foreach**($sub\_categories **as** $sub\_cat){  $categories\_dropdown .= **"<option value='"**.$sub\_cat->**id**.**"'> &nbsp; -- &nbsp;"** .$sub\_cat->**name** .**"</option>"**;  }  }  **return** view (**'admin.products.add\_product'**)->with(*compact*(**'categories\_dropdown'**)); } |

|  |
| --- |
| **add\_product.blade.php** |
| <**div class="form-group row"**>  <**label for="" class="col-2 col-form-label"**>Under Category</**label**>  <**div class="col-10"**>  <**select class="custom-select col-12" name="category\_id" id="category\_id"**>  **<?php echo** $categories\_dropdown **?>** </**select**>  </**div**> </**div**> |

Noe validate the product method

Now save the proucts

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| **public function** addProduct(Request $request){   **if**($request->isMethod(**'post'**)){  $data = $request->all(); *// echo "<pre>"; print\_r($data); die; // dd($data);* $product = **new** Product;  **if**(**empty**($data[**'category\_id'**])){  **return** redirect()->back()->with(**'flash\_message\_error'**, **'Under Category is Missing'**);  } **else** {  $product->**category\_id** = $data[**'category\_id'**];  }   $product->**product\_name** = *ucwords*(*strtolower*($data[**'product\_name'**]));  $product->**product\_code** = *strtoupper*($data[**'product\_code'**]);  $product->**prodcut\_color** = $data[**'product\_color'**];   **if**(!**empty**($data[**'description'**])){  $product->**description** = $data[**'description'**];  } **else** {  $product->**description** = **""**;  }  $product->**price** = $data[**'price'**];    **if**($request->hasFile(**'image'**)){  $image\_tmp = Input::*file*(**'image'**);  **if**($image\_tmp->isValid()){  $extension = $image\_tmp->getClientOriginalExtension();  $filename = *rand*(1200,999999).**'.'**.$extension;   $large\_image\_path = **'public/adminpanel/uploads/products/large/'**.$filename;  $medium\_image\_path = **'public/adminpanel/uploads/products/medium/'**.$filename;  $small\_image\_path = **'public/adminpanel/uploads/products/small/'**.$filename;   Image::*make*($image\_tmp)->save($large\_image\_path);  Image::*make*($image\_tmp)->resize(600,600)->save($medium\_image\_path);  Image::*make*($image\_tmp)->resize(300,300)->save($small\_image\_path);   $product->**image** = $filename;   }  }   $product->save();  **return** redirect()->back();   }    $categories = Category::*where*([**'parent\_id'** => 0])->get();  $categories\_dropdown = **"<option selected disabled> Select</option>"**;  **foreach**($categories **as** $cat){  $categories\_dropdown .= **"<option value='"**.$cat->**id**.**"'>"**. $cat->**name** .**" </option>"**;  $sub\_categories = Category::*where*([**'parent\_id'** => $cat->**id**])->get();  **foreach**($sub\_categories **as** $sub\_cat){  $categories\_dropdown .= **"<option value='"**.$sub\_cat->**id**.**"'> &nbsp; --- &nbsp; "**.$sub\_cat->**name**.**"</option>"**;  }  }  **return** view (**'admin.products.add\_product'**, *compact*(**'categories\_dropdown'**));  } |

**Now viewing the products**

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| **web.php** |
| Route::*get*(**'/admin/view-products'**, **'ProductsController@viewProducts'**)->name(**'product.view'**); |
| ProductsController.php |
| **public function** viewProducts(){  $products = Product::*latest*()->get();   **return** view (**'admin.products.view\_products'**, *compact*(**'products'**)); } |

**Now create the view\_products.blade.php file and show the details**

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| View\_products.blade.php |
| **@foreach(**$products **as** $product**)** <**tr**>  <**td**>{{$loop->**index** +1}}</**td**>  <**td**>{{$product->**product\_name**}}</**td**>  <**td**>{{$product->**category\_name**}}</**td**>  <**td**>  <**img src="**{{asset(**'public/adminpanel/uploads/products/small/'**.$product->**image**)}}**" alt="" width="100px;"**>  </**td**>  <**td**>{{$product->**price**}}</**td**>  <**td**>  <**a href="" class="btn btn-info"**>  <**i class="fa fa-edit"**></**i**>  </**a**>  <**a rel="" rel1="delete-category" href="javascript:" class="btn btn-danger deleteRecord"**>  <**i class="fa fa-trash"**></**i**>  </**a**>  </**td**>  </**tr**>  **@endforeach** |

Displaying the categories name according to the category id

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| **public function** viewProducts(){  $products = Product::*get*();  **foreach**($products **as** $key => $val){  $category\_name = Category::*where*([**'id'**=>$val->**category\_id**])->first();  $products[$key]->**category\_name** = $category\_name->**name**;  }  **return** view(**'admin.products.view\_products'**)->with(*compact*(**'products'**)); } |
| <**td**>  **@if(**!**empty**($product->**image**)**)** <**img src="**{{asset(**'/images/backend\_images/products/small/'**.$product->**image**)}}**" alt="" width="60px;"**>  **@endif** </**td**>  <**td**>{{$product->**category\_name**}}</**td**> |

**Products Details Modal Pop Up**

**It is not possible to show complete products details in view products table itself so we will open modal pop up to show details for the products**

|  |
| --- |
| <**a data-toggle="modal" data-target="#myModal**{{$product->**id**}}**" class="btn btn-warning"**>  <**i class="fa fa-eye"**></**i**> </**a**>  <**div id="myModal**{{$product->**id**}}**" class="modal fade" tabindex="-1" role="dialog" aria-labelledby="myModalLabel" aria-hidden="true"**>  <**div class="modal-dialog"**>  <**div class="modal-content"**>  <**div class="modal-header"**>  <**h4 class="modal-title" id="myModalLabel"**>{{$product->**product\_name**}}</**h4**>  <**button type="button" class="close" data-dismiss="modal" aria-hidden="true"**>×</**button**>  </**div**>  <**div class="modal-body"**>  <**p**><**strong**>Product Code : </**strong**> {{$product->**product\_code**}}</**p**>  <**p**><**strong**>Product Color : </**strong**> {{$product->**prodcut\_color**}}</**p**>  <**p**><**strong**>Product Price : </**strong**> {{$product->**price**}}</**p**>  <**p**><**strong**>Description</**strong**></**p**>  {!! *htmlspecialchars\_decode*($product->**description**) !!}   </**div**>  <**div class="modal-footer"**>  <**button type="button" class="btn btn-info waves-effect" data-dismiss="modal"**>Close</**button**>  </**div**>  </**div**>  *<!-- /.modal-content -->* </**div**>  *<!-- /.modal-dialog -->* </**div**> |

**Now editing products**

|  |
| --- |
| **Web.php** |
| Route::*match*([**'get'**, **'post'**], **'/admin/edit-product/{id}'**, **'ProductsController@editProduct'**)->name(**'product.edit'**); |

|  |
| --- |
| ProductsController.php |
| **public function** editProduct(Request $request, $id){  $productDetails = Product::*where*([**'id'** => $id])->first();   $categories = Category::*where*([**'parent\_id'** => 0])->get();  $categories\_dropdown = **"<option value='' selected disabled> Select </option>"**;  **foreach**($categories **as** $cat){  **if**($cat->**id** == $productDetails->**category\_id**){  $selected = **"selected"**;  } **else** {  $selected = **""**;  }  $categories\_dropdown .= **"<option value='"**.$cat->**id**.**"' "**.$selected.**"> "**.$cat->**name**.**" </option>"**;   $sub\_categories = Category::*where*([**'parent\_id'** => $cat->**id**])->get();  **foreach**($sub\_categories **as** $sub\_cat){  **if**($sub\_cat->**id** == $productDetails->**category\_id**){  $selected = **"selected"**;  } **else** {  $selected = **""**;  }   $categories\_dropdown .= **"<option value='"**.$sub\_cat->**id**.**"' "**.$selected.**"> &nbsp; --- &nbsp; "**.$sub\_cat->**name**.**" </option>"**;   }  }   **return** view (**'admin.products.edit\_product'**, *compact*(**'productDetails'**, **'categories\_dropdown'**)); } |
| Same dropdown code as add on the edit also |

Display all the values of the fields of the edit page

Ie. **value="**{{$productDetails->**prodcut\_color**}}**"**

Now updating the products

|  |
| --- |
| **ProductController.php** |
| **public function** editProduct(Request $request, $id){  $productDetails = Product::*where*([**'id'** => $id])->first();   **if**($request->isMethod(**'post'**)){  $data = $request->all();   **if**($request->hasFile(**'image'**)){  $image\_tmp = Input::*file*(**'image'**);  **if**($image\_tmp->isValid()){  $extension = $image\_tmp->getClientOriginalExtension();  $filename = *rand*(1200,999999).**'.'**.$extension;   $large\_image\_path = **'public/adminpanel/uploads/products/large/'**.$filename;  $medium\_image\_path = **'public/adminpanel/uploads/products/medium/'**.$filename;  $small\_image\_path = **'public/adminpanel/uploads/products/small/'**.$filename;   Image::*make*($image\_tmp)->save($large\_image\_path);  Image::*make*($image\_tmp)->resize(600,600)->save($medium\_image\_path);  Image::*make*($image\_tmp)->resize(300,300)->save($small\_image\_path);   }  } **else** {  $filename = $data[**'current\_image'**];  }   **if**(**empty**($data{**'description'**})){  $data[**'description'**] = **""**;  }   Product::*where*([**'id'** => $id])->update([**'category\_id'** => $data[**'category\_id'**], **'product\_name'** => *ucwords*(*strtolower*($data[**'product\_name'**])), **'product\_code'** => $data[**'product\_code'**], **'prodcut\_color'** => $data[**'product\_color'**], **'price'** => $data[**'price'**], **'description'** => $data[**'description'**], **'image'** => $filename  ]);   Session::*flash*(**'success'**, **'Products Updated Successfully'**);  **return** redirect()->route(**'product.view'**);  }    $categories = Category::*where*([**'parent\_id'** => 0])->get();  $categories\_dropdown = **"<option value='' selected disabled> Select </option>"**;  **foreach**($categories **as** $cat){  **if**($cat->**id** == $productDetails->**category\_id**){  $selected = **"selected"**;  } **else** {  $selected = **""**;  }  $categories\_dropdown .= **"<option value='"**.$cat->**id**.**"' "**.$selected.**"> "**.$cat->**name**.**" </option>"**;   $sub\_categories = Category::*where*([**'parent\_id'** => $cat->**id**])->get();  **foreach**($sub\_categories **as** $sub\_cat){  **if**($sub\_cat->**id** == $productDetails->**category\_id**){  $selected = **"selected"**;  } **else** {  $selected = **""**;  }   $categories\_dropdown .= **"<option value='"**.$sub\_cat->**id**.**"' "**.$selected.**"> &nbsp; --- &nbsp; "**.$sub\_cat->**name**.**" </option>"**;   }  }   **return** view (**'admin.products.edit\_product'**, *compact*(**'productDetails'**, **'categories\_dropdown'**)); } |

|  |
| --- |
| <**div class="form-group m-t-40 row"**>  <**label for="name" class="col-2 col-form-label"**>Product Image</**label**>  <**div class="col-10"**>  <**input class="form-control" type="file" name="image" id="image"**>  <**input type="hidden" name="current\_image" value="**{{$productDetails->**image**}}**"**>  <**img src="**{{asset(**'public/adminpanel/uploads/products/small/'**.$productDetails->**image**)}}**" alt="" width="100px;"**>  </**div**> </**div**> |

Now deleting the product

|  |
| --- |
| **web.php** |
| Route::*get*(**'/admin/delete-product/{id}'**, **'ProductsController@deleteProduct'**)->name(**'product.delete'**); |
| **ProductController.php** |
| **public function** deleteProduct($id = **null**){  $product = Product::*findOrFail*($id);  $product->delete();  Session::*flash*(**'danger'**, **'Product Deleted'**);  **return** redirect()->route(**'product.view'**); } |

|  |
| --- |
| <**a rel="**{{$product->**id**}}**" rel1="delete-product" href="javascript:" class="btn btn-danger deleteRecord"**>  <**i class="fa fa-trash"**></**i**>   </**a**> |

Adding the functionality of deleteing the products while we delete the category

|  |
| --- |
| **Products migartion** |
| $table->foreign(**'category\_id'**)->references(**'id'**)->on(**'categories'**)->onDelete(**'cascade'**); |
| **public function** down() {  Schema::*table*(**'products'**, **function** (Blueprint $table){  $table->dropForeign(**'products\_category\_id\_foreign'**);  });  Schema::**dropIfExists**(**'products'**); } |

**Products Attributes**

php artisan make:model ProductsAttribute –m

|  |
| --- |
| $table->increments(**'id'**); $table->integer(**'product\_id'**); $table->string(**'sku'**); $table->string(**'size'**); $table->float(**'price'**); $table->integer(**'stock'**); $table->timestamps(); |

php artisan migrate

|  |
| --- |
| Route::*match*([**'get'**, **'post'**], **'/admin/add-attribute/{id}'**, **'ProductsController@addAttributes'**)->name(**'product.addattribute'**);  **public function** addAttributes(Request $request, $id = **null**){  **return** view (**'admin.products.add\_attributes'**); } |

Create a new blade file in **products/add\_attributes.blade.php**

|  |
| --- |
| **@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"**>Products Attributes</**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"**>Products Attributes</**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 Product Attributes</**h4**>  **@if(**Session::*has*(**'flash\_message\_error'**)**)** <**div class="alert alert-error alert-block"**>  <**button type="button" class="close" data-dismiss="alert"**>x</**button**>  <**strong**>{!! session(**'flash\_message\_error'**) !!}</**strong**>  </**div**>  **@endif** <**div class="form-group"**>  <**div class="row"**>  <**div class="col-md-3"**>  <**label**>Product Name</**label**>  </**div**>  <**div class="col-md-6"**>  <**label class="control-label"**>  {{$productDetails->**product\_name**}}  </**label**>  </**div**>  </**div**>  <**div class="row"**>  <**div class="col-md-3"**>  <**label**>Product Code</**label**>  </**div**>  <**div class="col-md-6"**>  <**label class="control-label"**>  {{$productDetails->**product\_code**}}  </**label**>  </**div**>  </**div**>    <**form method="post" action="" name="add\_attribute" id="add\_attribute"**>  **@csrf** <**input type="hidden" name="product\_id" value="**{{$productDetails->**id**}}**"**>  <**div class="control-group"**>  <**div class="control-label"**>  <**div class="field\_wrapper"**>  <**div**>  <**input type="text" name="sku[]" id="sku" placeholder="SKU" width="120px;"**>  <**input type="text" name="size[]" id="size" placeholder="Size" width="120px;"**>  <**input type="text" name="price[]" id="price" placeholder="Price" width="120px;"**>  <**input type="text" name="stock[]" id="stock" placeholder="Stock" width="120px;"**>  <**a href="javascript:void(0);" class="add\_button" title="Add Field"**>Add</**a**>  </**div**>    </**div**>   </**div**>  </**div**>   <**input type="submit" name="submit" value="Store" class="btn btn-primary"**>  </**form**>   </**div**>  </**div**>  </**div**>  </**div**>  </**div**>    </**div**>   **@endsection  @section('script')** <**script type="text/javascript"**>  *$*(***document***).ready(**function**(){  **var** maxField = 10; *//Input fields increment limitation* **var** addButton = *$*(**'.add\_button'**); *//Add button selector* **var** wrapper = *$*(**'.field\_wrapper'**); *//Input field wrapper* **var** fieldHTML = **'<div class="field\_wrapper"> <div> <input type="text" name="sku[]" id="sku" placeholder="SKU" width="120px;"> <input type="text" name="size[]" id="size" placeholder="Size" width="120px;"> <input type="text" name="price[]" id="price" placeholder="Price" width="120px;"> <input type="text" name="stock[]" id="stock" placeholder="Stock" width="120px;"> <a href="javascript:void(0);" class="remove\_button"> Remove </a></div> </div> '**;   **var** x = 1; *//Initial field counter is 1   //Once add button is clicked  $*(addButton).click(**function**(){  *//Check maximum number of input fields* **if**(x < maxField){  x++; *//Increment field counter  $*(wrapper).append(fieldHTML); *//Add field html* }  });   *//Once remove button is clicked  $*(wrapper).on(**'click'**, **'.remove\_button'**, **function**(e){  e.preventDefault();  *$*(**this**).parent(**'div'**).remove(); *//Remove field html* x--; *//Decrement field counter* });  });  </**script**>  **@endsection** |

**Adding products attributes and displaying**

|  |
| --- |
| **public function** addAttributes(Request $request, $id = **null**){  $productDetails = Product::*with*(**'attributes'**)->where([**'id'** => $id])->first();   **if**($request->isMethod(**'post'**)){  $data = $request->all(); *// echo "<pre>"; print\_r($data); die;* **foreach**($data[**'sku'**] **as** $key => $val){  **if**(!**empty**($val)){  $attribute = **new** ProductsAttribute;  $attribute->**product\_id** = $data[**'product\_id'**];  $attribute->**sku** = $val;  $attribute->**size** = $data[**'size'**][$key];  $attribute->**price** = $data[**'price'**][$key];  $attribute->**stock** = $data[**'stock'**][$key];  $attribute->save();  }  }  Session::*flash*(**'success'**, **'Attribute Has Been Added Successfully'**);  **return** redirect()->back();   }   **return** view (**'admin.products.add\_attributes'**, *compact*(**'productDetails'**));  } |

**We will update our product model to add hasMany relation . hasMany relations means one to many like there is one prdocut and that can have multiple attribute**

|  |
| --- |
| Product.php |
| **public function** attributes(){  **return** $this->hasMany(ProductsAttribute::***class***, **'product\_id'**); } |

|  |
| --- |
| <**div class="row"**>  <**div class="col-12"**>  <**div class="card"**>  <**div class="card-body"**>  <**h4 class="card-title"**>Products Attributes</**h4**>  <**div class="table-responsive"**>  <**table id="zero\_config" class="table table-striped table-bordered"**>  <**thead**>  <**tr**>  <**th**>#</**th**>  <**th**>SKU</**th**>  <**th**>Size</**th**>  <**th**>Price</**th**>  <**th**>Stock</**th**>  <**th**>Actions</**th**>  </**tr**>  </**thead**>  <**tbody**>  **@foreach(**$productDetails[**'attributes'**] **as** $attribute**)** <**tr**>  <**td**>{{$loop->**index** +1}}</**td**>  <**td**>{{$attribute->**sku**}}</**td**>  <**td**>{{$attribute->**size**}}</**td**>  <**td**>{{$attribute->**price**}}</**td**>  <**td**>{{$attribute->**stock**}}</**td**>  <**td**>  <**a rel="**{{$attribute->**id**}}**" rel1="delete-attribute" href="javascript:" class="btn btn-danger deleteRecord"**>  Delete  </**a**>  </**td**>  </**tr**>  **@endforeach** </**tbody**>   </**table**>  </**div**>  </**div**>  </**div**>  </**div**> </**div**> |

**For deleting**

Route::*get*(**'/admin/delete-attribute/{id}'**, **'ProductsController@deleteAttribute'**)->name(**'delete.attribute'**);

**public function** deleteAttribute($id){  
 $attribute = ProductsAttribute::*findOrFail*($id);  
 $attribute->delete();  
 Session::*flash*(**'danger'**, **'Product Attribute Has Been Deleted Successfully'**);  
 **return** redirect()->back();  
}

Resumed

Download Free Template for e-commerce : E-shopper

<https://www.free-css.com/free-css-templates/page203/e-shopper>

php artisan make:controller IndexController

first remove the previous route for the root

|  |
| --- |
| **web.php** |
| Route::*get*(**'/'**, **'IndexController@index'**)->name(**'indexpage'**); |

|  |
| --- |
| **IndexController.php** |
| **public function** index(){  **return** view (**'frontend.index'**); } |

Now create a new folder and blade file named frontend/index.blade.php

Set the frontend design.

**Showing Products in Index Page**

|  |
| --- |
| **FrontEndController.php** |
| **public function** index(){  $products = Product::*latest*()->get();  **return** view (**'frontend.index'**,*compact*(**'products'**)); } |

|  |
| --- |
| **index.blade.php** |
| **@foreach(**$products **as** $product**)** <**div class="col-sm-4"**>  <**div class="product-image-wrapper"**>  <**div class="single-products"**>  <**div class="productinfo text-center"**>  <**img src="**{{asset(**'public/adminpanel/uploads/products/small/'**.$product->**image**)}}**" alt=""** />  <**h2**>Rs. {{$product->**price**}}</**h2**>  <**p**>{{$product->**product\_name**}}</**p**>  <**a href="#" class="btn btn-default add-to-cart"**><**i class="fa fa-shopping-cart"**></**i**>Add to cart</**a**>  </**div**>  <**div class="product-overlay"**>  <**div class="overlay-content"**>  <**h2**>Rs. {{$product->**price**}}</**h2**>  <**p**>{{$product->**product\_name**}}</**p**>  <**a href="#" class="btn btn-default add-to-cart"**><**i class="fa fa-shopping-cart"**></**i**>Add to cart</**a**>  </**div**>  </**div**>  </**div**>   </**div**>  </**div**> **@endforeach** |

**Display Categoires At Left sidebar**

|  |
| --- |
| Category.php |
| **public function** categories(){  **return** $this->hasMany(**'App\Category'**, **'parent\_id'**); } |

|  |
| --- |
| **IndexController.php** |
| **public function** index(){  $products = Product::*latest*()->get();  $categories = Category::*with*(**'categories'**)->where([**'parent\_id'** => 0])->get();  **return** view (**'frontend.index'**,*compact*(**'products'**, **'categories'**)); } |

|  |
| --- |
| index.blade.php |
| **@foreach(**$categories **as** $category**)** <**div class="panel panel-default"**>  <**div class="panel-heading"**>  <**h4 class="panel-title"**>  <**a data-toggle="collapse" data-parent="#**{{$category->**id**}}**" href="#**{{$category->**id**}}**"**>  <**span class="badge pull-right"**><**i class="fa fa-plus"**></**i**></**span**>  {{$category->**name**}}  </**a**>  </**h4**>  </**div**>  <**div id="**{{$category->**id**}}**" class="panel-collapse collapse"**>  <**div class="panel-body"**>  <**ul**>  **@foreach(**$category->**categories as** $subcategory**)** <**li**><**a href="#"**>{{$subcategory->**name**}}</**a**></**li**>  **@endforeach** </**ul**>  </**div**>  </**div**> </**div**> **@endforeach** |

Category Listing page

php artisan make:controller FrontController

|  |
| --- |
| Route::*get*(**'/products/{slug}'**, **'FrontController@products'**)->name(**'products'**); |

|  |
| --- |
| FrontController.php |
| **public function** products($slug = **null**){  $categories = Category::*with*(**'categories'**)->where([**'parent\_id'** => 0])->get();  $categoryDetails = Category::*where*([**'slug'** => $slug])->first();  $products = Product::*where*([**'category\_id'** => $categoryDetails->**id**])->get();  **return** view (**'frontend.products.listing'**, *compact*(**'categoryDetails'**, **'categories'**, **'products'**)); } |

|  |
| --- |
| products/listing.blade.php |
| Copy and paste the code from index.blade.php  <**h2 class="title text-center"**>{{$categoryDetails->**name**}}</**h2**> |

|  |
| --- |
| Index.blade.php |
| <**li**><**a href="**{{route(**'products'**, $subcategory->**slug**)}}**"**>{{$subcategory->**name**}}</**a**></**li**> |

Showing Sub categories Products in Main Categories

**Controller.php**

**public static function** mainCategories(){  
 $mainCategories = Category::*where*([**'parent\_id'** => 0])->get();  
 **return** $mainCategories;  
}

**Header.blade.php**

**<?php  
 use** App\Http\Controllers\Controller;  
 $mainCategories = Controller::*mainCategories*();  
**?>**

<**ul role="menu" class="sub-menu"**>  
 **@foreach(**$mainCategories **as** $category**)** <**li**><**a href="**{{route(**'products'**,$category->**slug**)}}**"**>{{$category->**name**}}</**a**></**li**>  
 **@endforeach**</**ul**>

FrontController.php

**public function** products($slug = **null**){  
  
*// Get all the categories and sub categories* $categories = Category::*with*(**'categories'**)->where([**'parent\_id'** => 0])->get();  
 $categoriesDetails = Category::*where*([**'slug'** => $slug])->first();  
  
 **if**($categoriesDetails->**parent\_id** == 0){  
*// if slug is main category* $subCategories = Category::*where*([**'parent\_id'** => $categoriesDetails->**id**])->get();  
 **foreach**($subCategories **as** $subcat){  
 $cat\_ids[] = $subcat->**id**;  
 }  
 $productsAll = Product::*whereIn*(**'category\_id'**, $cat\_ids)->get();  
 $productsAll = *json\_decode*(*json\_encode*($productsAll));  
 } **else** {  
*// if slug is subcategory* $productsAll = Product::*where*([**'category\_id'** => $categoriesDetails->**id**])->get();  
 }

**Displaying 404 error page**

|  |
| --- |
| **public function** products($slug = **null**){   $countCategory = Category::*where*([**'slug'** => $slug])->count();  **if**($countCategory == 0){  abort(404);  }  … below code same |

Make a new folder inside views/errors/404.blade.php

Get the 404.html code in this page.