

Step-1: Add Resource Route

```
Route::resource('category', CategoryController::class);
```

by default resource provides following routes

Actions Handled By Resource Controller

Verb	URI	Action	Route Name
GET	/photos	index	photos.index
GET	/photos/create	create	photos.create
POST	/photos	store	photos.store
GET	/photos/{photo}	show	photos.show
GET	/photos/{photo}/edit	edit	photos.edit
PUT/PATCH	/photos/{photo}	update	photos.update
DELETE	/photos/{photo}	destroy	photos.destroy

Step-2: Add Model and Controller:

```
php artisan make:controller CategoryController --resource --model=Category
```

In this controller will create seven methods by default as bellow methods:

- 1) index()
- 2) create()
- 3) store()
- 4) show()
- 5) edit()
- 6) update()
- 7) destroy()

```

<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Category;

class CategoryController extends Controller
{
    public function index(){
        $categories=Category::latest()->paginate(3);
        return view("category.index",compact('categories'))
            ->with('i', (request()->input('page', 1) - 1) * 3);
    }
    public function create()
    {
        return view("category.create");
    }

    public function store(Request $req)
    {
        $req->validate([
            'name' => 'required',
        ]);
        // this will create new category in DB if html is exactly matching with DB columns
        Category::create($req->all());

        // OR
        $category =new Category();
        $category ->name="name";
        $category ->email="mzsabir@gmail.com";
        $category ->save();
        // OR
        Category::create([
            'name'=>$this->name,
            'image'=>$image_name
        ]);
        return redirect()->route('category.index')
            ->with('success','Category created successfully.');
```

```

    }

    public function show(Category $category){
        return view("category.show",compact('category'));
    }

    public function edit(Category $category){
        return view("category.edit",compact('category'));
    }

    public function update(Request $req,Category $category){
        $req->validate([
            'name' => 'required',

```

```

    });
    $category->update($req->all());
    return redirect("category")
        ->with("success","Category updated successfully");
    }

    public function destroy(Category $category){

        $category->delete();
        return redirect("category")
            ->with("success","Category deleted successfully");
    }
}

```

Create following views

- 1) layout.blade.php (optional)
- 2) index.blade.php
- 3) create.blade.php
- 4) edit.blade.php
- 5) show.blade.php

create.blade.php

Provide forms to add new record, also provide errors if validations does not matches

```

@if ($errors->any())
    <div class="alert alert-danger">
        <strong>Whoops!</strong> There were some problems with your input.<br><br>
        <ul>
            @foreach ($errors->all() as $error)

```

```

        <li>{{ $error }}</li>
    @endforeach
</ul>

</div>
@endif

<form action="{{route('category.store')}}" method="POST">
    @csrf
    <!-- form -->
    <button class="btn btn-info" type="submit"> Submit</button>
</form>

```

edit.blade.php

contain forms filled with data, also provide errors if validations does not matches

```

@if ($errors->any())
    <div class="alert alert-danger">
        <strong>Whoops!</strong> There were some problems with your input.<br><br>
        <ul>
            @foreach ($errors->all() as $error)
                <li>{{ $error }}</li>
            @endforeach
        </ul>
    </div>
@endif

<form action="{{ route('category.update',$category->id) }}" method="POST">
    @csrf
    @method('PUT')
    <!-- FORM -->
    <button class="btn btn-info " type="submit">Submit</button>

```

index.blade.php

contain pagination and table data with show, edit, delete links

```

@foreach($categories as $category)

    <form action="{{ route('category.destroy', $category->id) }}" method="POST">
        <a class="blue" href="{{route('category.show',$category->id)}}">Show</a>
        <a class="green" href="{{route('category.edit',$category->id)}}">Edit </a>
        @csrf
        @method('DELETE')
        <input class="red" type="submit" value="Delete">
    </form>
@endforeach

```

```
</form>  
@endforeach  
  
{!! $categories->links() !!}
```