**6th Part-Controller:**

php artisan make:controller UserController

app\Http\Controllers\UserController.php

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class UserController extends Controller

{

// function show()

// {

// return "Hello from controller";

// }

function show($id)

{

return $id;

}

}

routes\web.php

<?php

use Illuminate\Support\Facades\Route;

use App\Http\Controllers\UserController;

use App\Http\Controllers\UsersController;

Route::get('/', function () {

return view('welcome');

});

//Route::get("user",[UserController::class,'show']);

Route::get("user/{id}",[UserController::class,'show']);

**7th Part-View:**

resources\views\users.blade.php

<h1>Users Page</h1>

routes\web.php

use App\Http\Controllers\UserController;

// Route::get('/user', function () {

// Route::get('/user/{name}', function ($name) {

// return view('users',["user"=>$name]);

// });

// Route::view("user","users");

Route::view("users","users");

resources\views\users.blade.php

<h1>Hello {{$name}}</h1>

Php artisan make:controller UsersController

app\Http\Controllers\UsersController.php

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class UsersController extends Controller

{

//

function loadView()

// function loadView($user)

{

return view('users');

// return view('users',['name'=>$user]);

}

}

**8th Part-Component:**

Php artisan make:component header

resources\views\components\header.blade.php

<div>

<h1>Header Component</h1>

<!-- Smile, breathe, and go slowly. - Thich Nhat Hanh -->

</div>

resources\views\users.blade.php

<x-header />

<h1>Users Page</h1>

routes\web.php

<?php

use Illuminate\Support\Facades\Route;

use App\Http\Controllers\UserController;

use App\Http\Controllers\UsersController;

Route::get('/', function () {

return view('welcome');

});

Route::view("users","users");

app\View\Components\Header.php

<?php

namespace App\View\Components;

use Illuminate\View\Component;

class Header extends Component

{

/\*\*

\* Create a new component instance.

\*

\* @return void

\*/

public function \_\_construct()

{

//

}

/\*\*

\* Get the view / contents that represent the component.

\*

\* @return \Illuminate\Contracts\View\View|string

\*/

public function render()

{

return view('components.header');

}

}

**9th Part-Blade Template:**

php artisan make:controller UsersController

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class UsersController extends Controller

{

//

function loadView()

{

return view('users');

}

// function loadView()

// {

// return view('users',['users'=>'Sudipta']);

// }

// function loadView()

// {

// return view('users',['names'=>['Sudipta','Sudip']]);

// }

// {

// return view('users',['name'=>'Sudipta']);

// }

function loadView()

{

$data=['Sudipta','Sudip','Ram'];

return view('users',['users'=>$data]);

}

}

routes\web.php

<?php

use Illuminate\Support\Facades\Route;

use App\Http\Controllers\UsersController;

Route::get('/', function () {

return view('welcome');

});

Route::get("users",[UsersController::class,'loadView']);

// Route::get("users/{user}",[UsersController::class,'loadView']);

resources\views\users.blade.php

<h1>Users Page</h1>

<h1>{{10\*20}}</h1>

//<h1>Hello, {{$users}}</h1>

//<h1>Hello, {{count($names)}}</h1>

//if-else

@if($name=='Sudipta')

<h2>Hi, {{$name}}</h2>

@elseif($name=='Sudip')

<h2>Hi, {{$name}}</h2>

@else

<h2>Hi, Unknown</h2>

@endif

//for loop

@for($i=0;$i<10;$i++)

<h4>{{$i}}</h4>

@endfor

//foreach loop

@foreach ($users as $user)

<h3>{{$user}}</h3>

@endforeach

**54th Part-API Validation:**

Route->api.php

<?php

use App\Http\Controllers\MemberController;

Route::middleware('auth:api')->get('/user', function (Request $request) {

return $request->user();

});

Route::post("validate",[MemberController::class,"testData"]);

App->Http->Controllers->MemberController.php

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Models\Member;

use Validator;

class MemberController extends Controller

{

function testData(Request $req)

{

$rules=array(

"emp\_id"=>"required | max:4",

"name"=>"required"

);

$validator= Validator::make($req->all(),$rules);

if($validator->fails())

{

//return $validator->errors();

return response()->json($validator->errors(),401);

}

else{

$member=new Member;

$member->name=$req->name;

$member->email=$req->email;

$member->address=$req->address;

$member->emp\_id=$req->emp\_id;

$result=$member->save();

if($result)

{

return ["result"=>"Data has been saved"];

}

else{

return ["result"=>"Operation Failed"];

}

}

}

}

**55th Part-API with Resource:**

Route->api.php

<?php

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Route;

use App\Http\Controllers\MemberController;

Route::middleware('auth:api')->get('/user', function (Request $request) {

return $request->user();

});

Route::apiResource("member",MemberController::class);

App->Http->Controllers->MemberController.php

php artisan make:controller MemberController –resource

php artisan make:model Member

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Models\Member;

class MemberController extends Controller

{

/\*\*

\* Display a listing of the resource.

\*

\* @return \Illuminate\Http\Response

\*/

public function index()

{

//

return Member::all();

}

**56th Part-API Authentication with Sanctum**

website link-github.com/anil-sidhu/laravel-sanctum

php artisan migrate