**Laravel:5.7Scratch**

**Episode:25:Core Concepts: Middleware**

* In http directory we find a directory called middleware ,there are various class like authentication. php ,kernel. php etc
* There are various section in kernel. php
* The middleware run during every request from the user application

**Code: kernel. Php**

protected $routeMiddleware = [

‘auth’ => \App\Http\Middleware\Authenticate::class,

‘auth.basic’ => \Illuminate\Auth\Middleware\AuthenticateWithBasicAuth::class,

‘bindings’ => \Illuminate\Routing\Middleware\SubstituteBindings::class,

‘cache.headers’ => \Illuminate\Http\Middleware\SetCacheHeaders::class,

‘can’ => \Illuminate\Auth\Middleware\Authorize::class,

* These are the layers that checks for every steps
* Next there is a authenticate. php class with a method

**Code:Authenticate.php**

protected function redirectTo($request)

{

if (! $request->expectsJson()) {

return route('login');

}

}

* When the user is not authenticated we redirect to the above path

use Illuminate\Auth\Middleware\Authenticate as Middleware;

* We can vist the above path ,in that we have a method handle
* On each layer the middleware try to call a method handle which checks for authentication etc ,it’s the place where we receive the request ,change it ,checks it if everything checks out then pass it to the next layer
* Each layer perform the same process ,everything is checking for authentication if not redirecting to unauthorized error that the basis of middle
* Must be authenticated to continue the route
* In kernel.php we could see the route middleware if the key auth which checks fo authentication

'auth' => \App\Http\Middleware\Authenticate::class

* It can be either in route or controllers

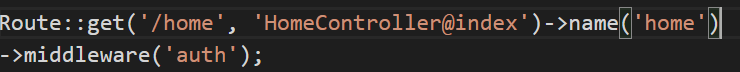
public function \_\_construct()

{

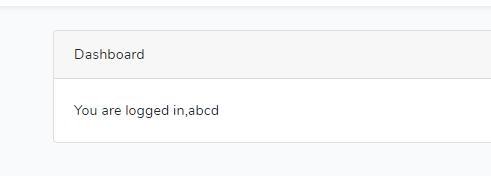
$this->middleware('auth');

}

* If we comment la middleware (‘auth’) any one can sign in the page but if its there only the authenticated user can sign in the page
* If we are signed in with auth so that we can make next step in application
* We can also reference middleware authentication in routefile
* We can also make the name of the user who signed in



**Output:**



* But if the user request for /signup but already if he signedup then there is a middleware to redirect to sigin page

**Code:Kernel.php**

'guest' => \App\Http\Middleware\RedirectIfAuthenticated::class

* We get the 404 error because we already authenticated
* We can also create our own middleware,but if we want it to run globally we must be declared in kernel.php

**Code:**

**PS D:\xampp\htdocs\laravel6> php artisan make:middleware LogQueries**

**Middleware created successfully.**

**Code: kernel.php**

* In this middle ware we can make any logic

\App\Http\Middleware\LogQueries::class,