**Multple Authentication**

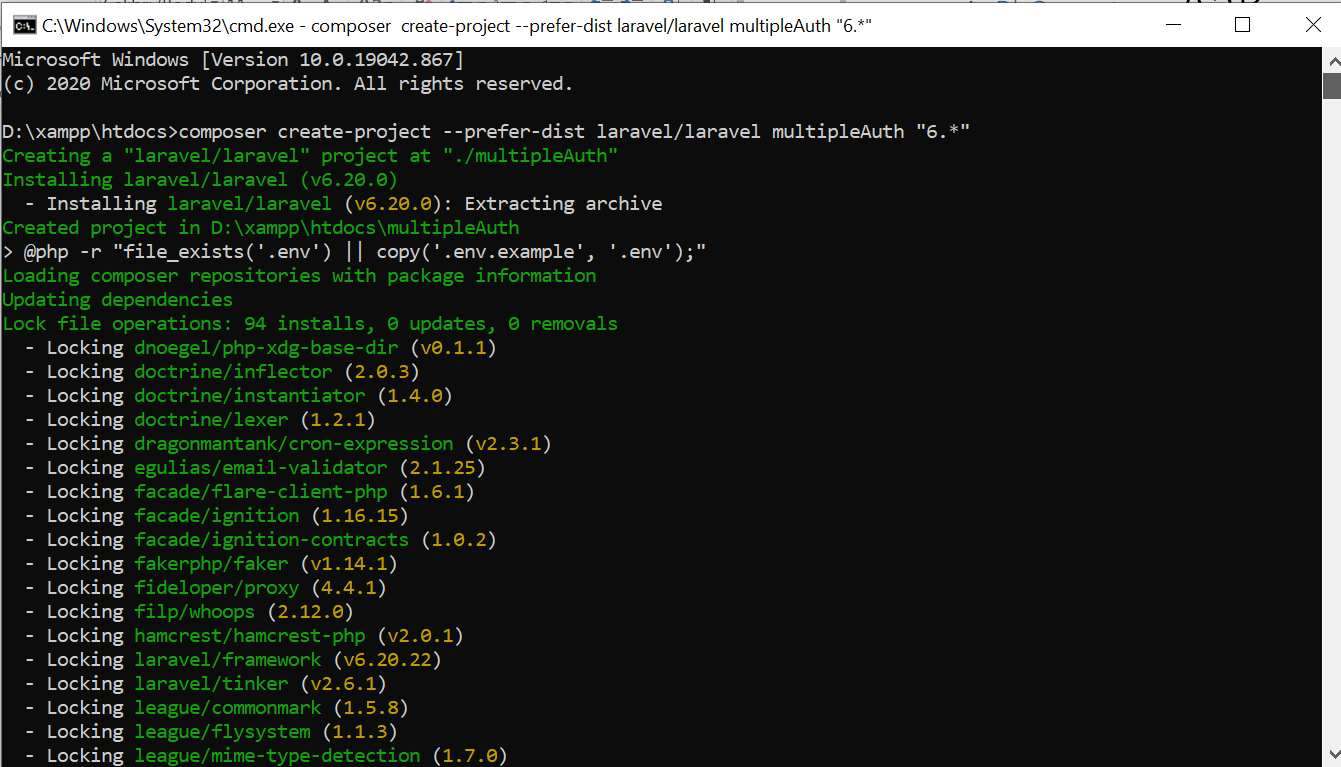
**Laravel Framework 6.20.22**

Open xampp/htdocs

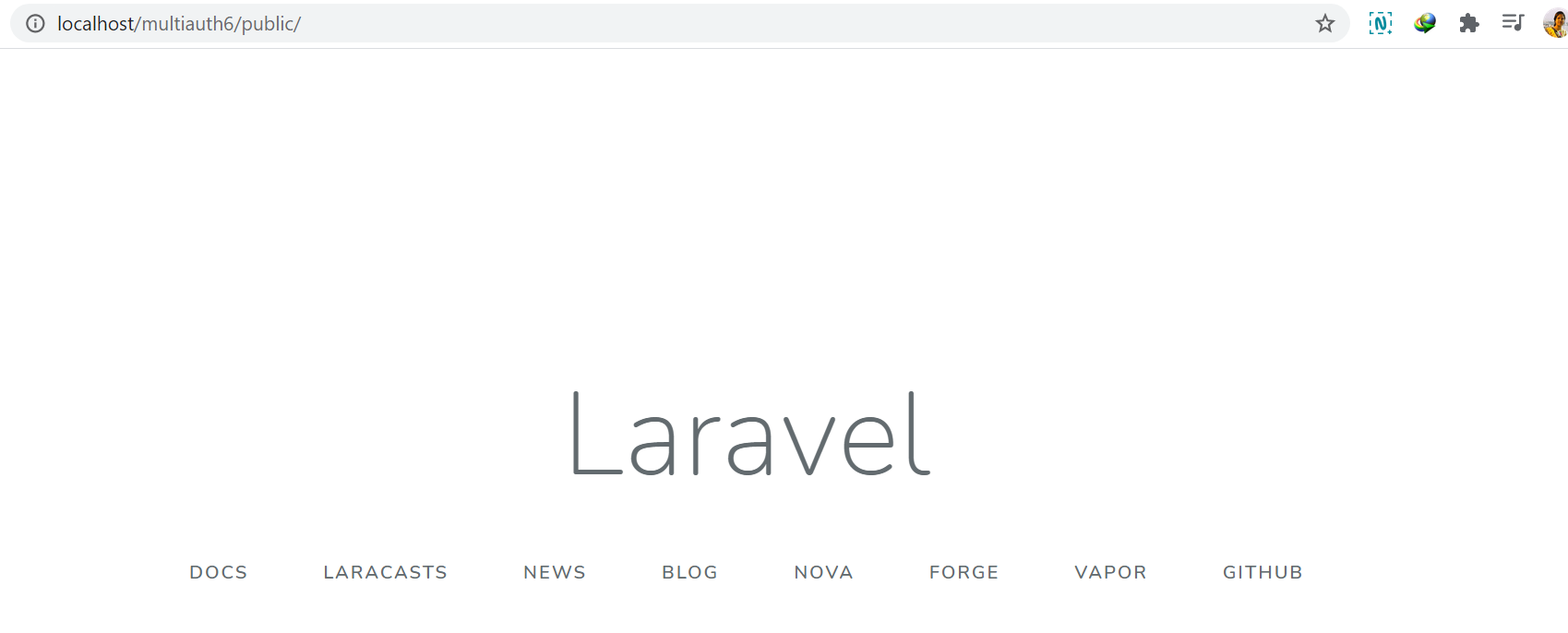
Run cmd

Install fresh package with below command , Here projectname newmultiauth

composer create-project --prefer-dist laravel/laravel projectName "6.\*"



Open browser and enter localhost/multiauth6/public



To omit public keyword create .htaccess file and keep it inside the project folder.

.htaccess code

<IfModule mod\_rewrite.c>

<IfModule mod\_negotiation.c>

Options -MultiViews

</IfModule>

RewriteEngine On

RewriteCond %{REQUEST\_FILENAME} -d [OR]

RewriteCond %{REQUEST\_FILENAME} -f

RewriteRule ^ ^$1 [N]

RewriteCond %{REQUEST\_URI} (\.\w+$) [NC]

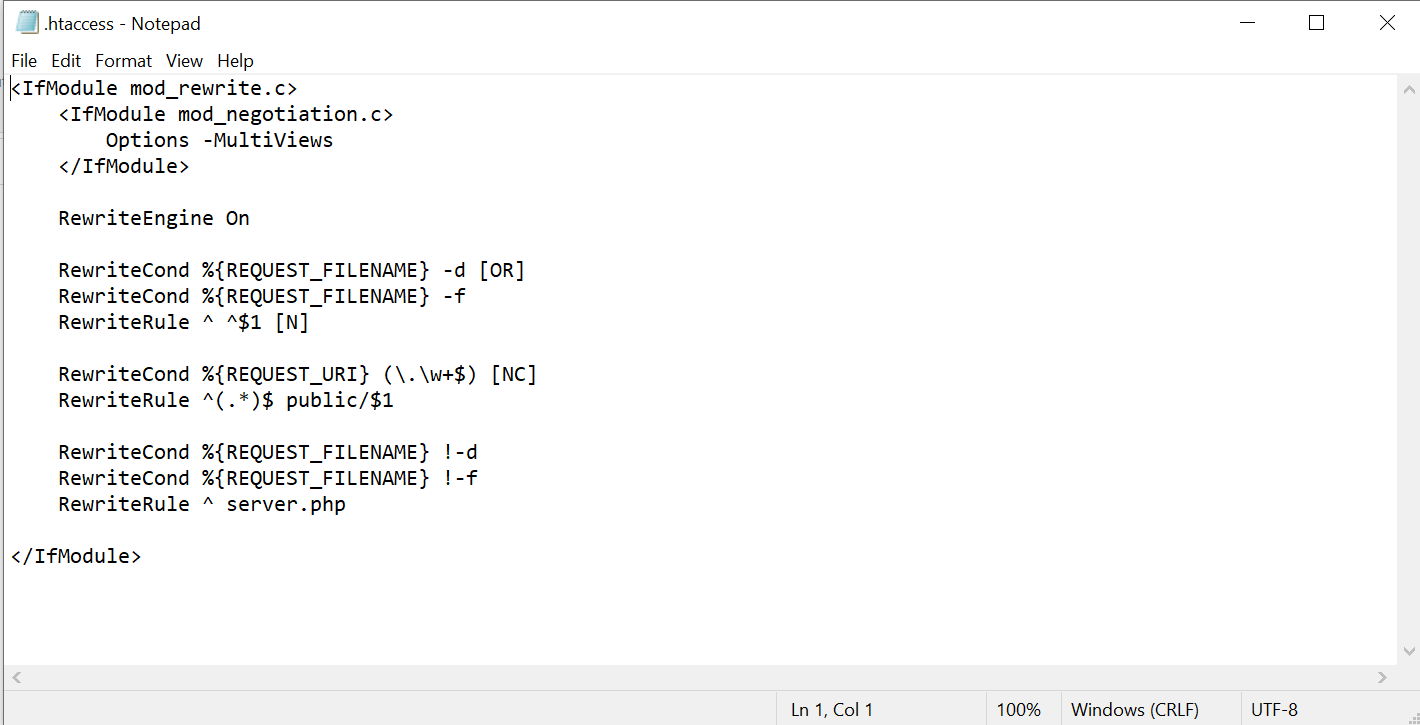
RewriteRule ^(.\*)$ public/$1

RewriteCond %{REQUEST\_FILENAME} !-d

RewriteCond %{REQUEST\_FILENAME} !-f

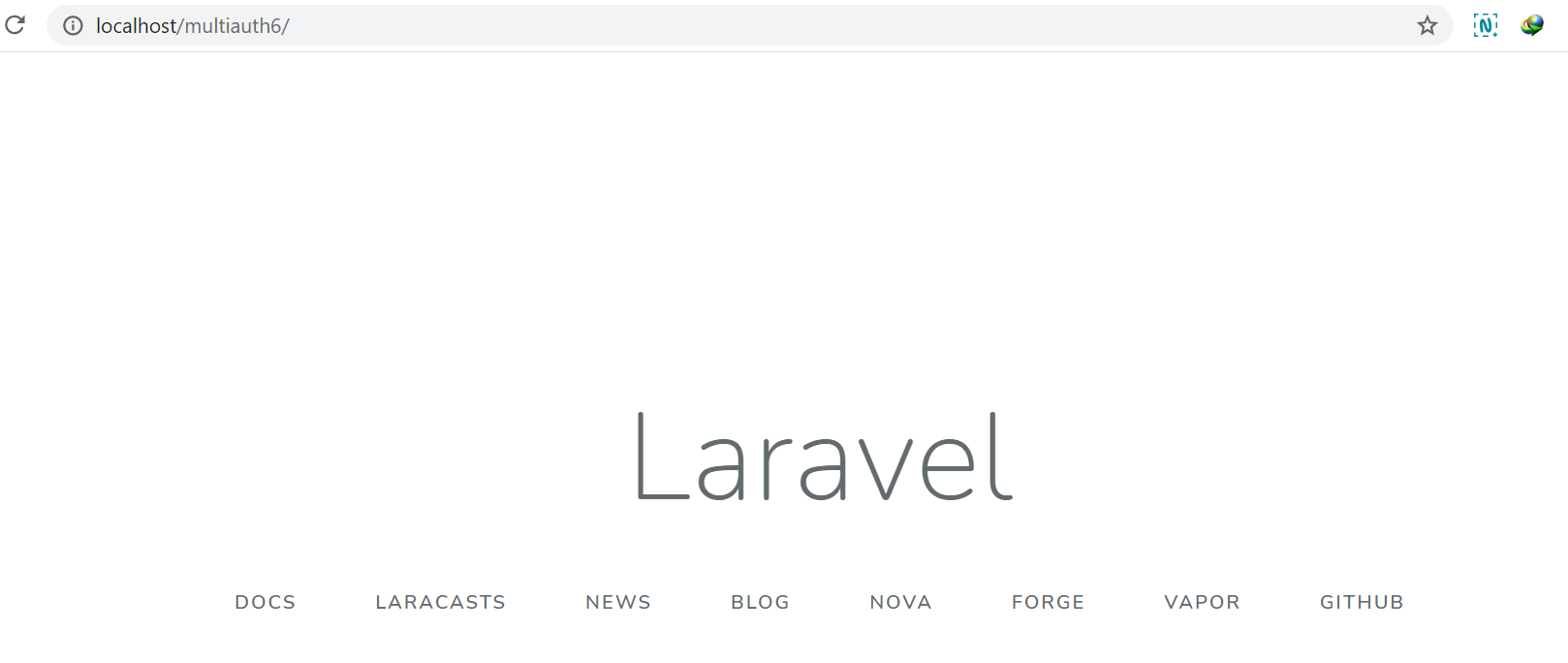
RewriteRule ^ server.php

</IfModule>



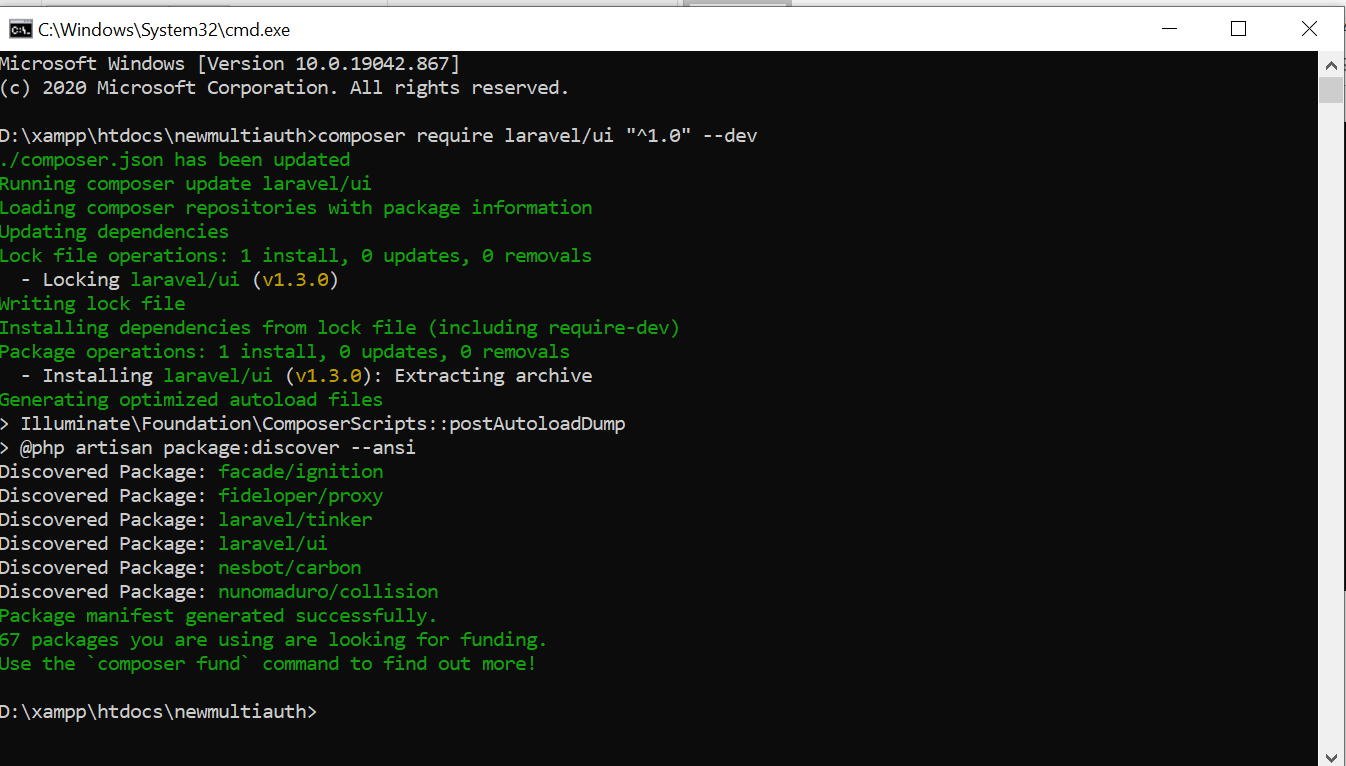
Video no <https://www.youtube.com/watch?v=iKRLrJXNN4M&list=PLwAKR305CRO9S6KVHMJYqZpjPzGPWuQ7Q&index=1>

Now enter in browser localhost/multiauth6



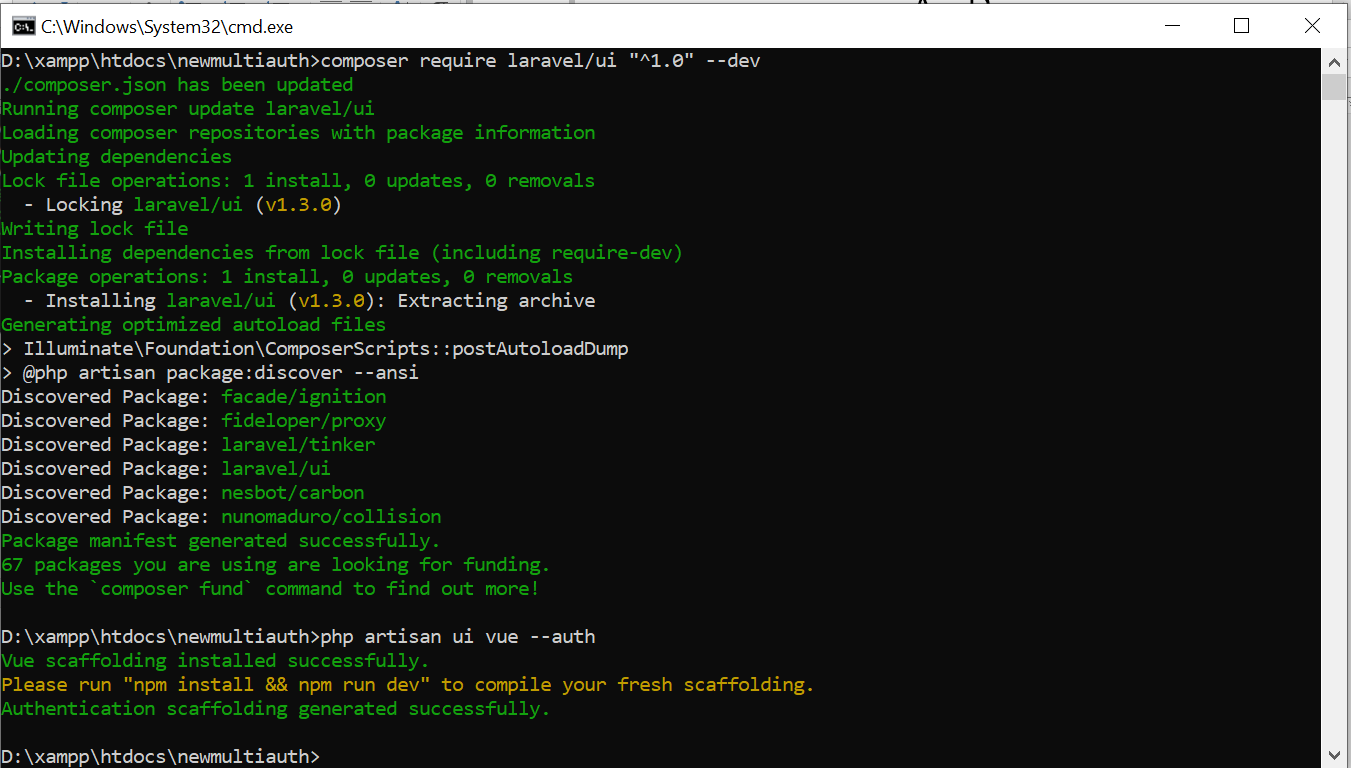
Lor log in , Auth scaffolding generate with below command

composer require laravel/ui "^1.0" --dev



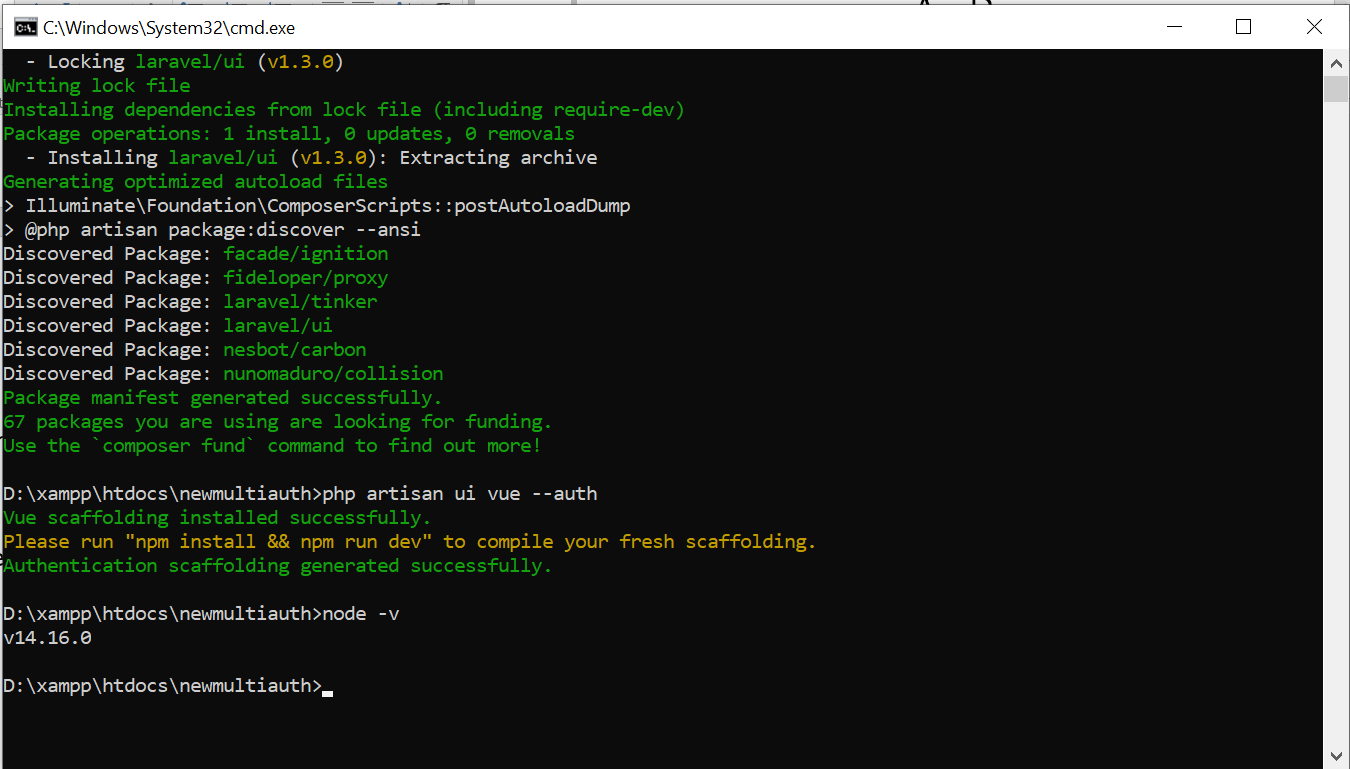
Run the below command

php artisan ui vue --auth

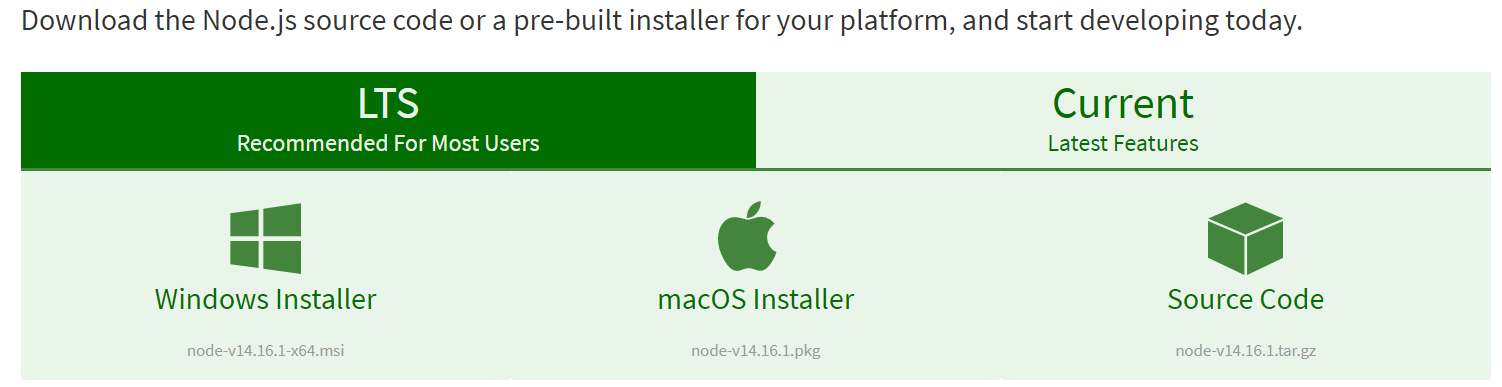


Run npm install && npm run dev command, it will need node.js to be installed

To check if you’ve node or not run the command node –v

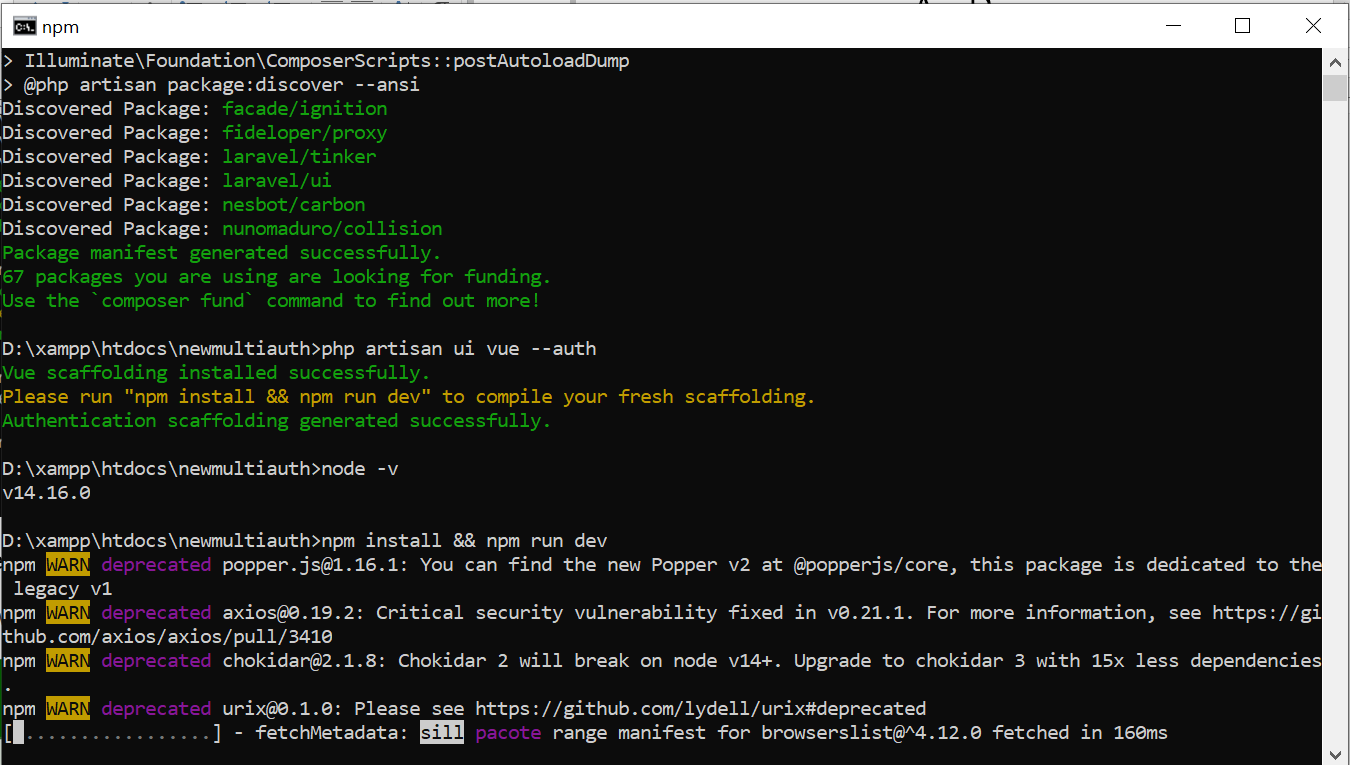


Otherwise install node from the link <https://nodejs.org/en/download/>

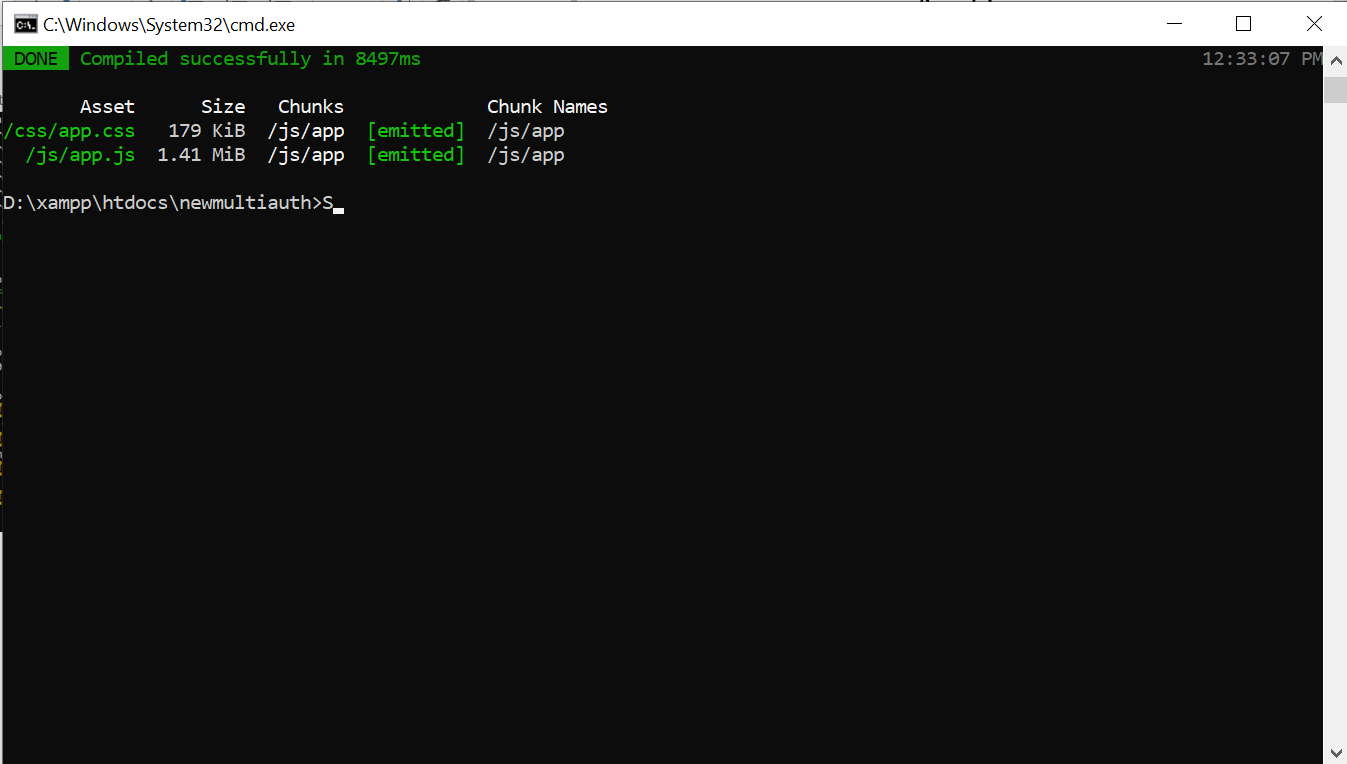


Download windows installer for windows and install node

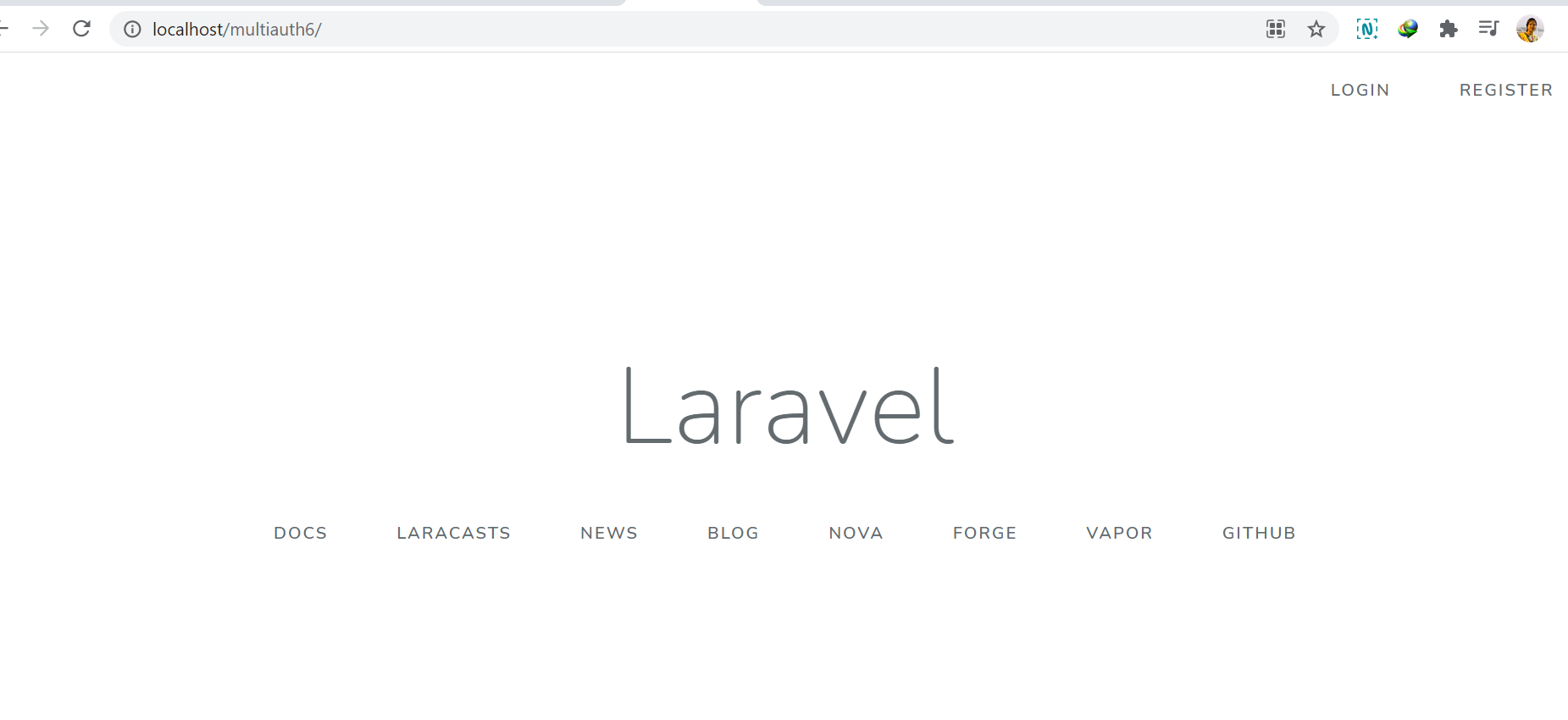
Run npm install && npm run dev command,



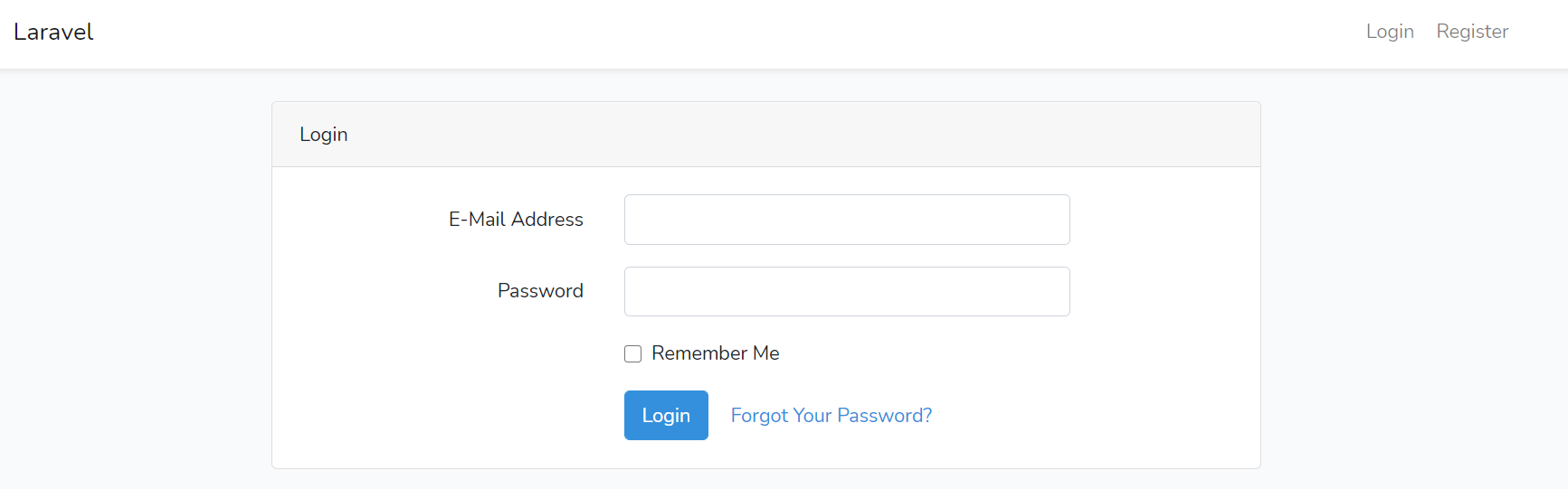
If everything is ok , you will get a window like below



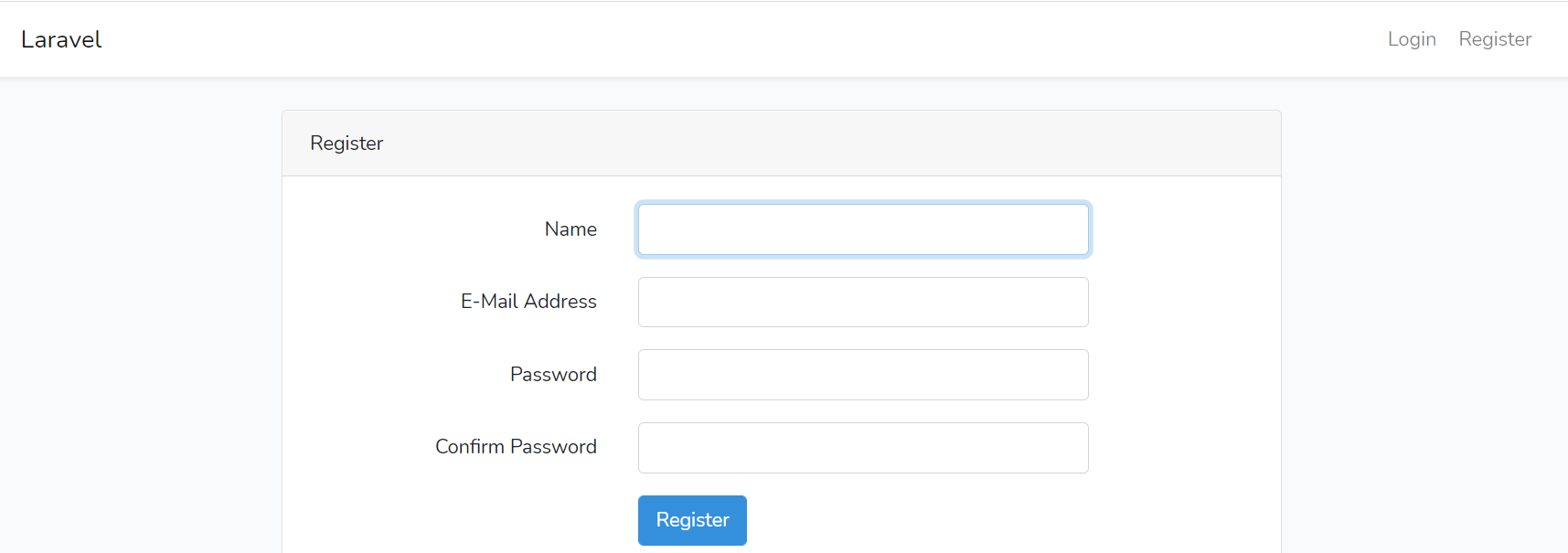
Now go to browser and hit localhost/newmultiauth , you will see the login and register link for installing package auth



Click log in

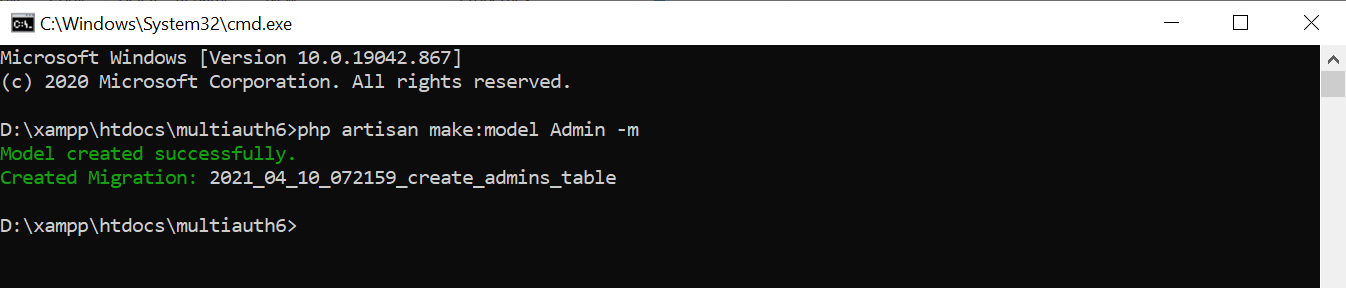


Click register

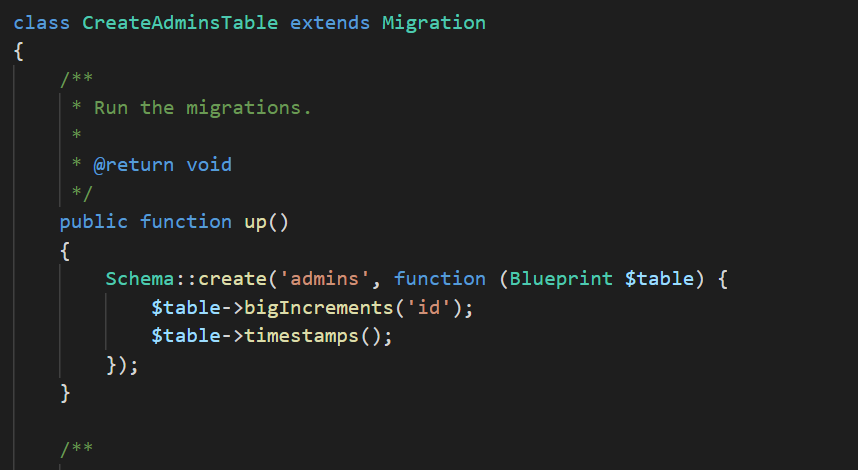


No create Admin model and migration file with the command below

php artisan make:model Admin –m

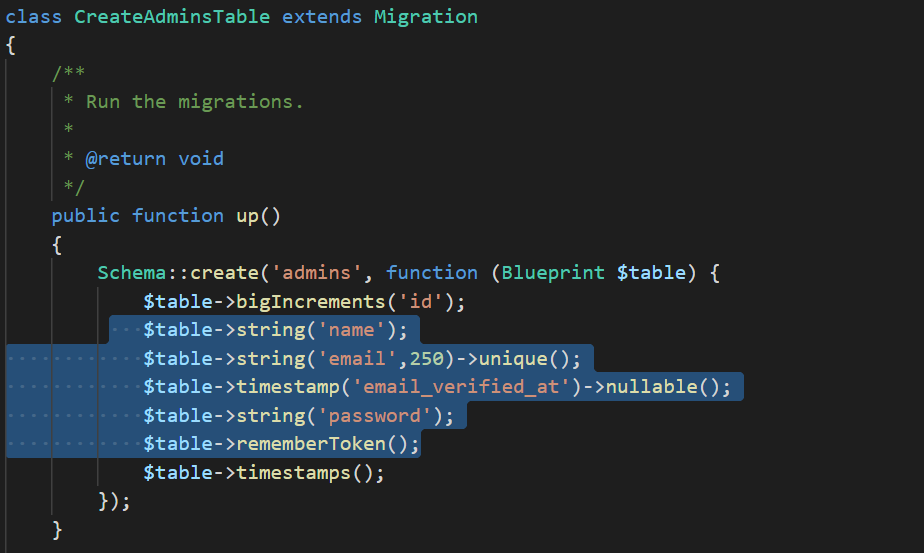


Open migration file of admin database/migrations/ 2021\_04\_10\_072159\_create\_admins\_table.php



open user migration file and copy name,email,email\_verified\_at,password,remember\_token() from user migration and paste those in admin migration file

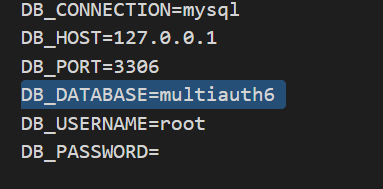
Edited admin migration file



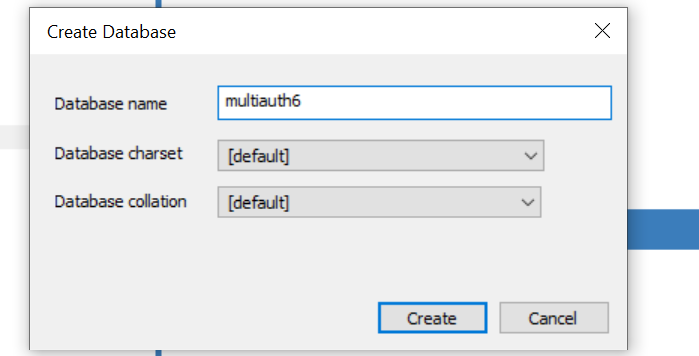
Change email field’s varchar length to 250 in three migrations file ,admin,user and password reset

  $table->string('email',250)->index();

Now open .env file and set database name

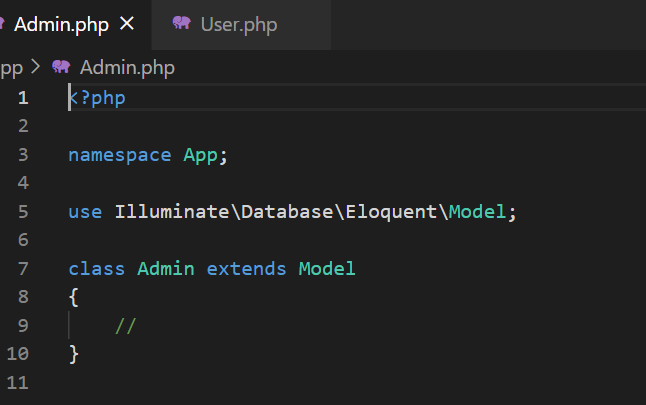


Create database in phpmyadmin



Open Admin,User models from app\Admin.php

Initial Admin model look



Copy everything from User model And paste it into Admin model. Only change class name Admin

<?php

namespace App;

use Illuminate\Contracts\Auth\MustVerifyEmail;

use Illuminate\Foundation\Auth\User as Authenticatable;

use Illuminate\Notifications\Notifiable;

class Admin extends Authenticatable

{

    use Notifiable;

    /\*\*

     \* The attributes that are mass assignable.

     \*

     \* @var array

     \*/

    protected $fillable = [

        'name', 'email', 'password',

    ];

    /\*\*

     \* The attributes that should be hidden for arrays.

     \*

     \* @var array

     \*/

    protected $hidden = [

        'password', 'remember\_token',

    ];

    /\*\*

     \* The attributes that should be cast to native types.

     \*

     \* @var array

     \*/

    protected $casts = [

        'email\_verified\_at' => 'datetime',

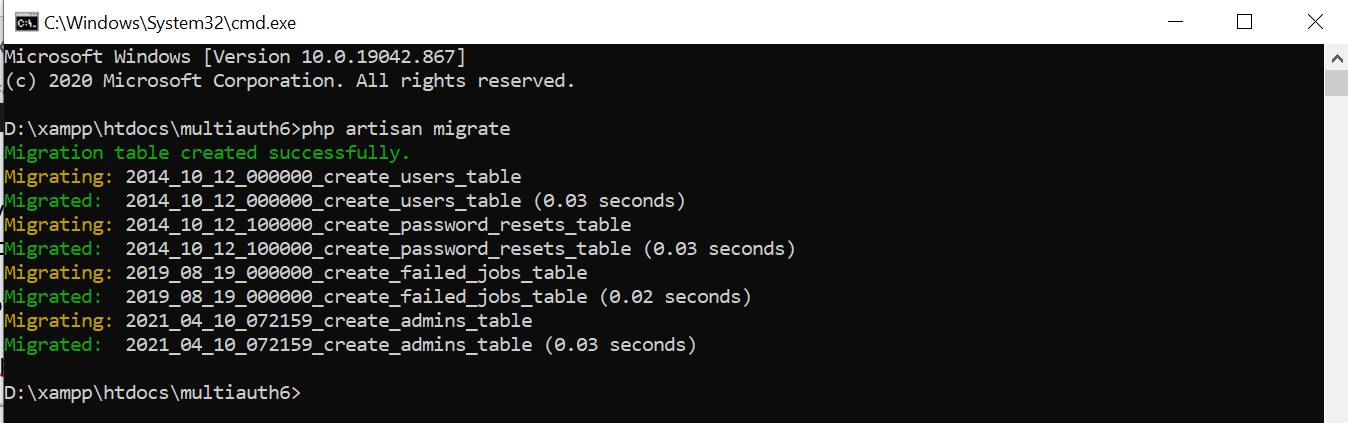
    ];

}

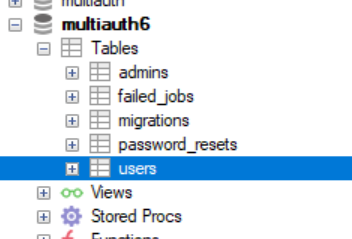
If you have different field in admins table then, change fields names inside fillable and protected property.

Now run the migration with the command below.

php artisan migrate



Tables are migrated



Now set up guard.

Authentication related everything remains in auth.php file.

Open Config\auth.php

Updated guard file , create a new guard admin and provider admins. For computer type authentication laravel uses web guard.

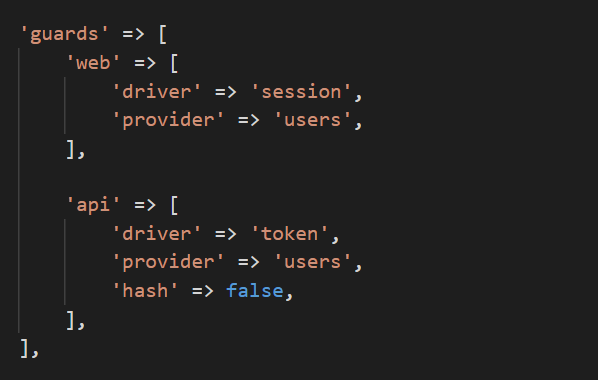
For api authentication laravel uses Api guard

By default laravel uses web guard. If we write Auth::check($credentials), laravel will return credentials those are guarded/protected by web guard.

If we want to know the credentials of a admin then we have to specify the guard name.

Ex: Auth::guard(‘admin’)->check($credentials);

Default View



Guards basically use two different ways to track authenticated users. Session and token.

Session uses storage and cookies. Api uses token

Create new guard for admin and create new provider for admin.

Provider defines how we communicate with database tables. Eloquent(use model) or querybuilder( use database query)

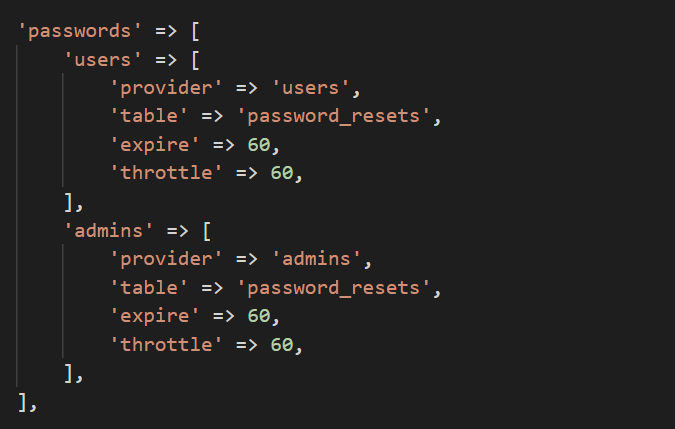
New provider create for admin



Now create admin guard for web and api, named admin and admin-api, here we have to mention provider name admins

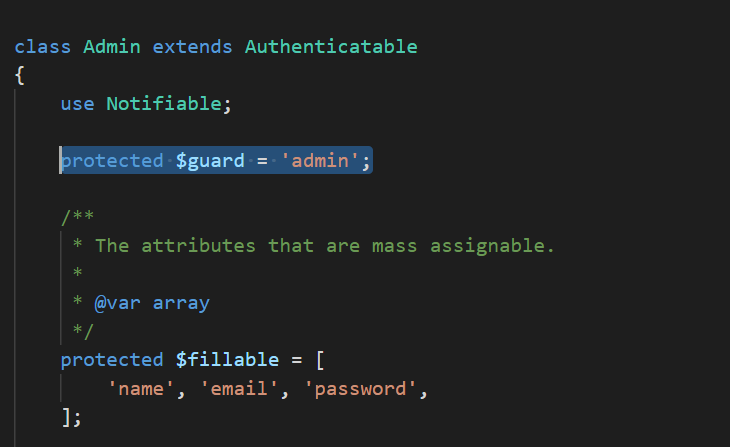


Now create password reset configuration for admins table



Now set the guard name ‘admin’ in Admin model. Open Admin.php file.

protected $guard = 'admin';

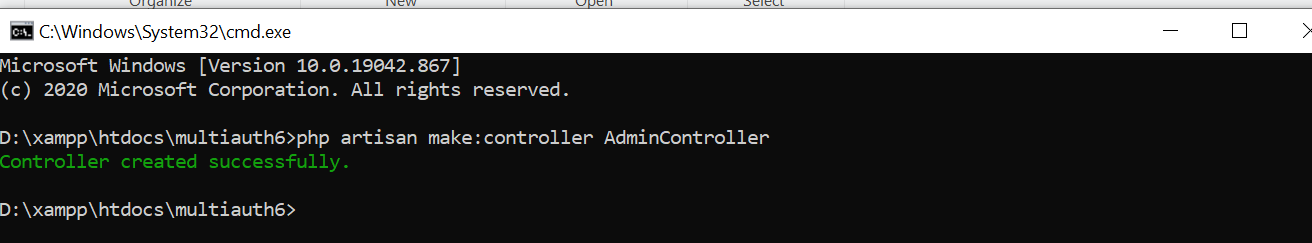


Creates a route for admin

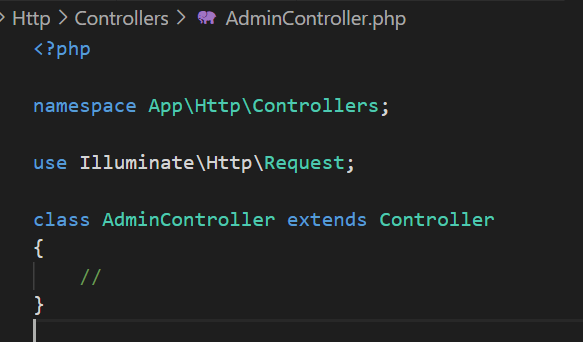
Route::get('/admin', 'AdminController@index')->name('admin-dashboard');

Create AdminController file

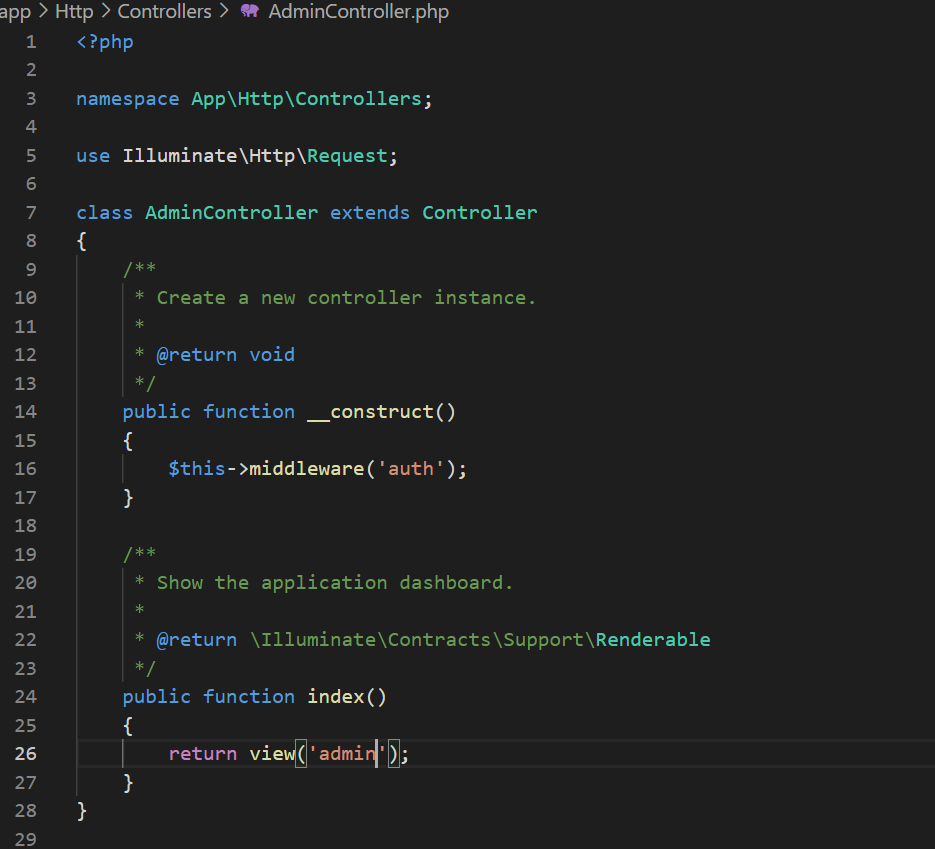
Command php artisan make:controller AdminController



Default controller file look

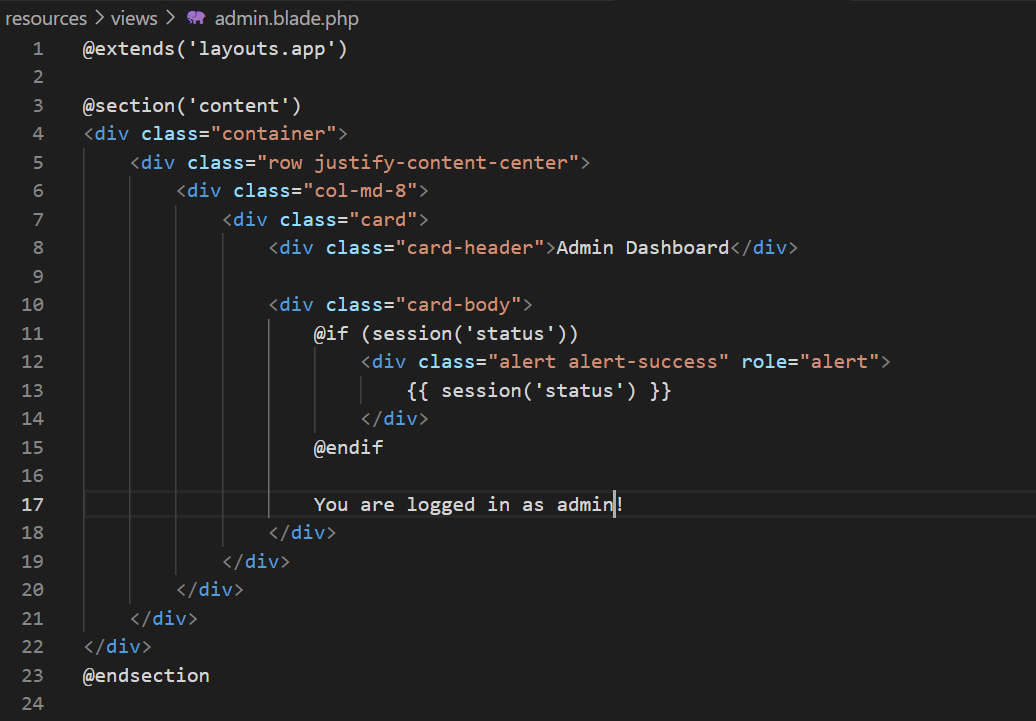


Open Home controller and copy all the contents of home controller and paste into AdminController.php

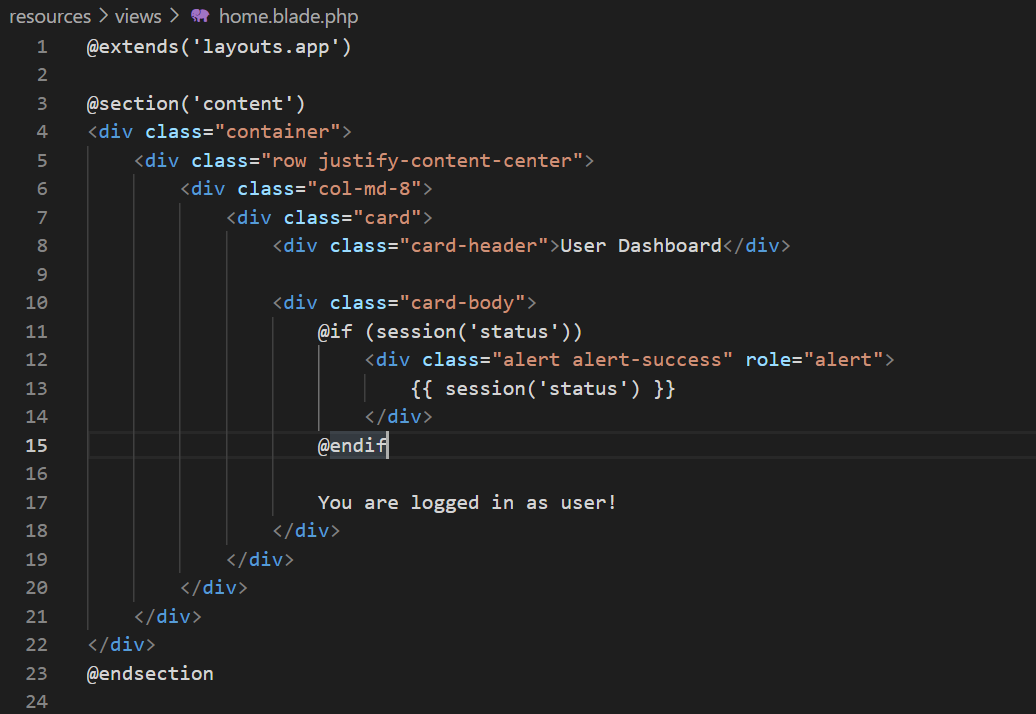


Change class name AdminController and change view file name

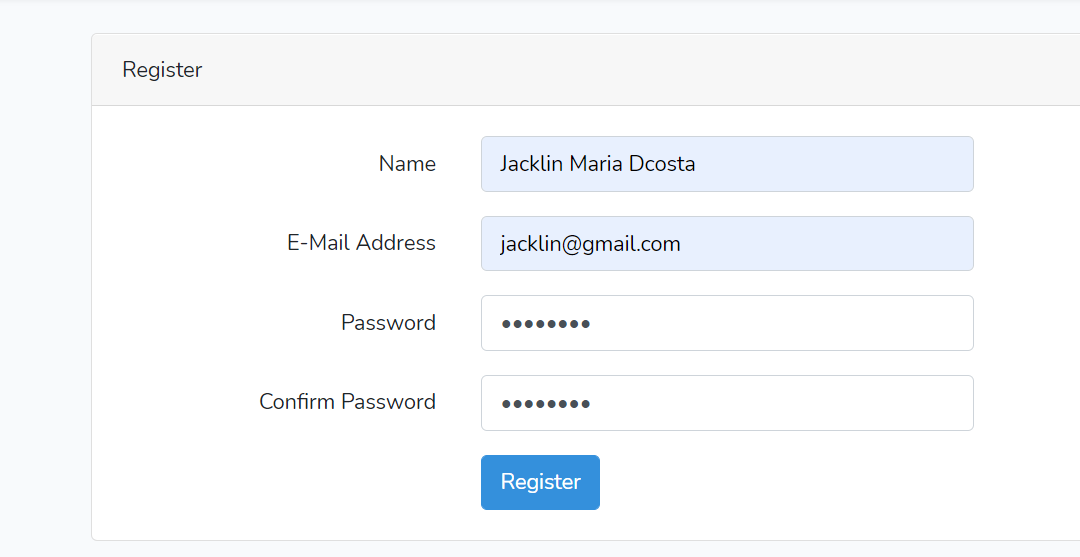
View file create. Copy home.blade.php and duplicate it and name it admin.blade.php and edit the file



Update home.blade.php so that one can understand it is user dashboard



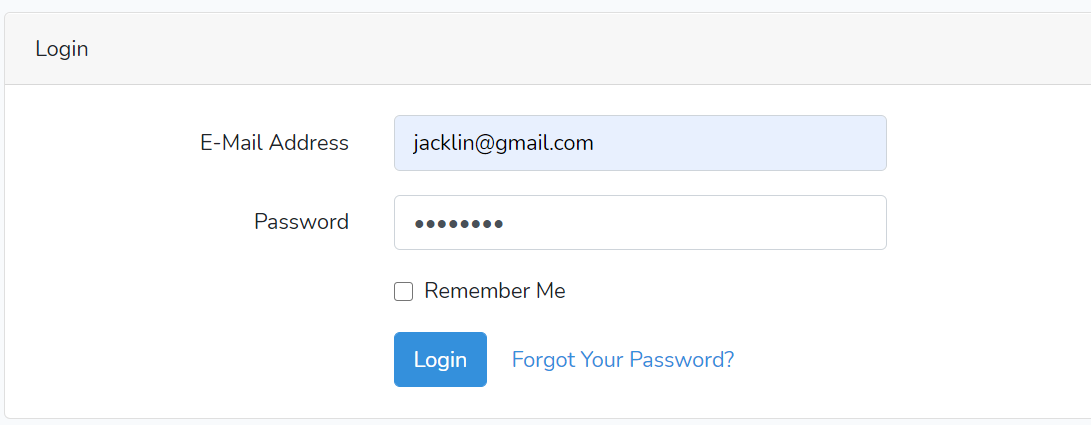
Now create a new registration



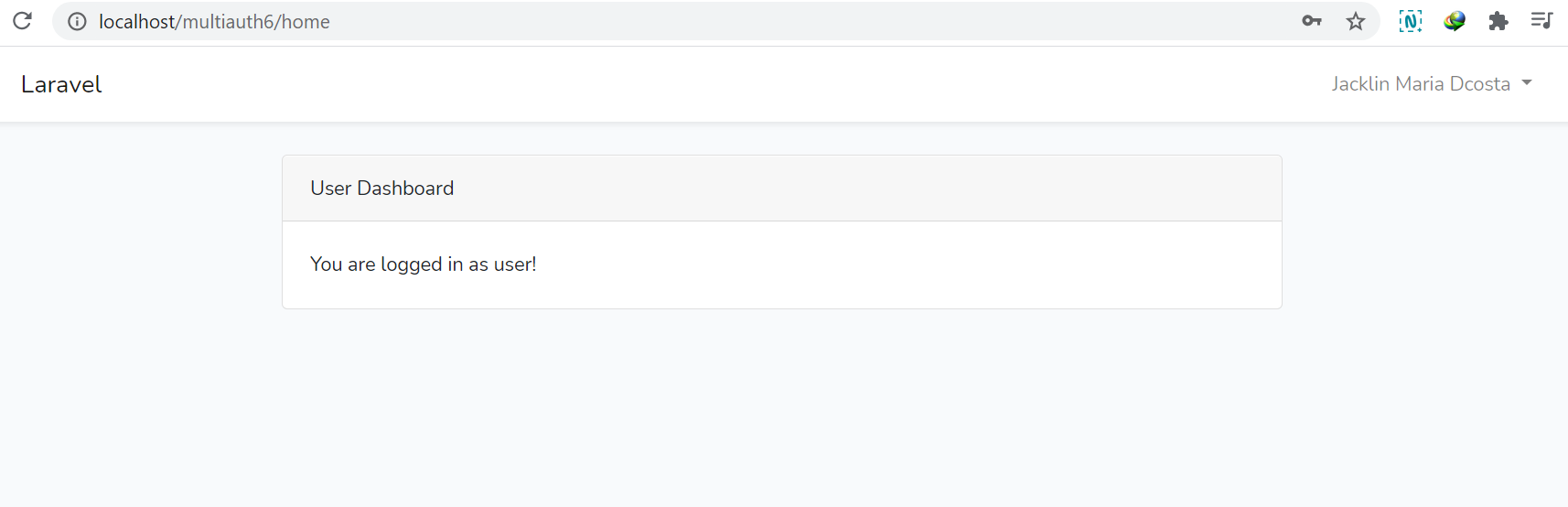
Log in

Email: [jacklin@gmail.com](mailto:jacklin@gmail.com)

Password:12345678



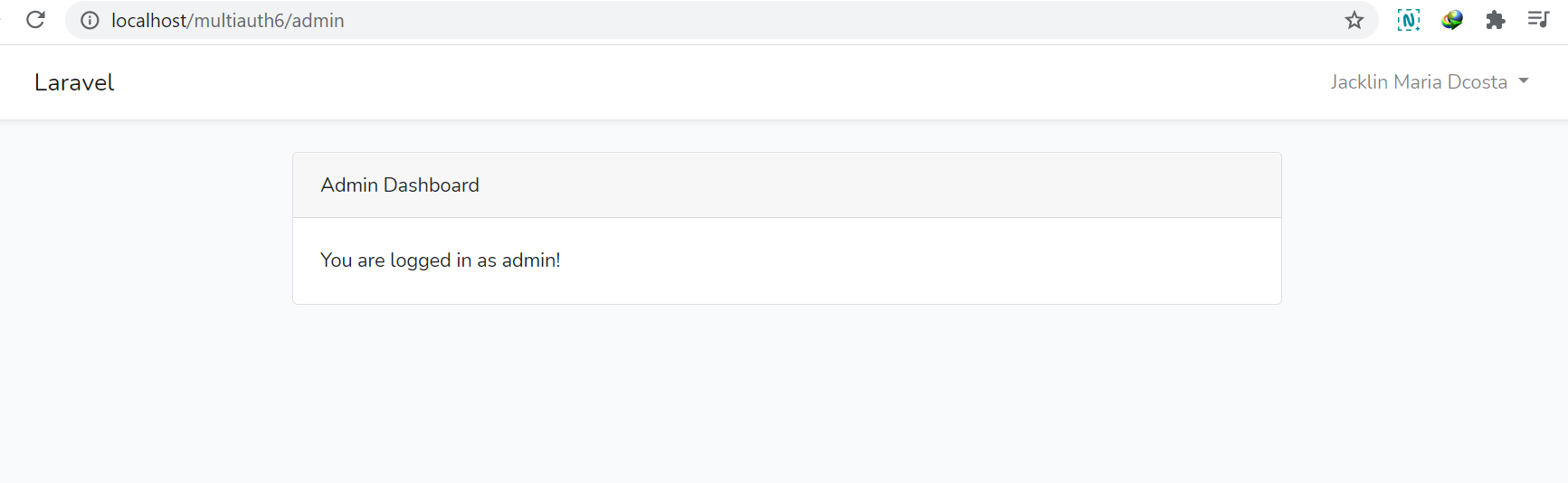
After login user dashboard



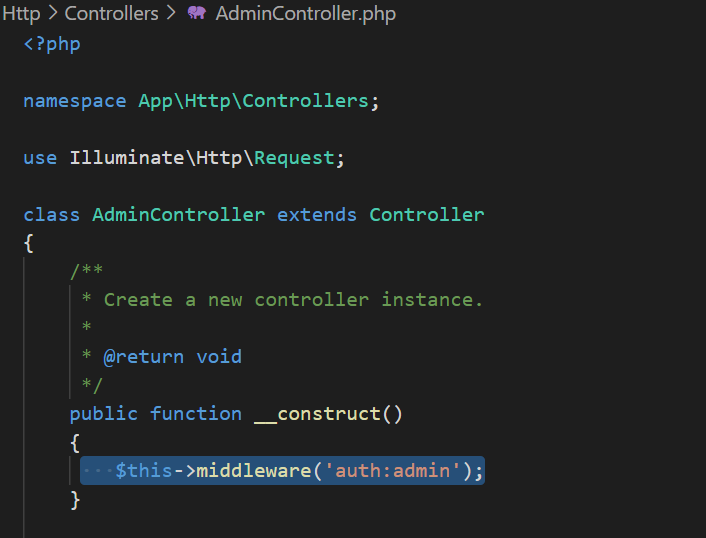
If we put localhost/multiauth6/admin, then same dashboard ashtese. Kintu eta ashar kotha na. Karon admin dile home dashboard e redirect kora kotha.

Authenticate user ra defult guard web use kore .

Tar jonno AdminController e giye gurad define kore dite hoy.



Open AdminController.php



Now localhost/multiauth6/admin dile o localhost/multiauth6/home e redirect hobe.

Video no

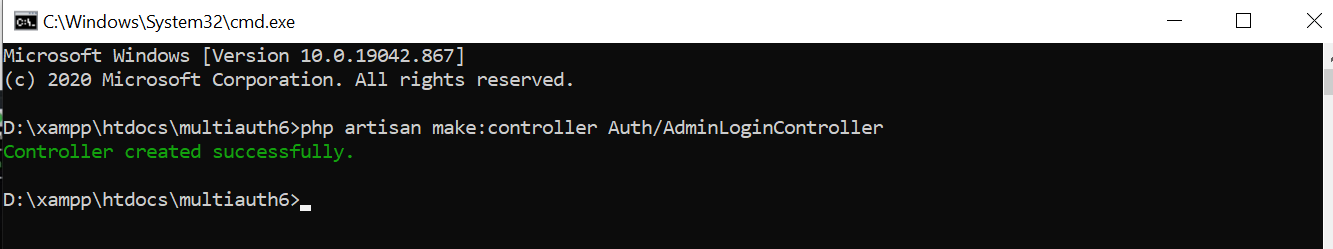
<https://www.youtube.com/watch?v=Ir2nAD9UDGg&list=PLwAKR305CRO9S6KVHMJYqZpjPzGPWuQ7Q&index=2>

Custom login for admin

admin login er jonno amader route,controller and blade file create korte hobe.

Auth folder e controller file , AdminLoginController.php create korbo , jate Auth ershob functionality paoa jay.

Create AdminLoginController by the command php artisan make:controller Auth/AdminLoginController



Now admin login er jonno blade file create. Copy login.blade.php and duplicate it as admin-login.blade.php inside auth folder of resource./views

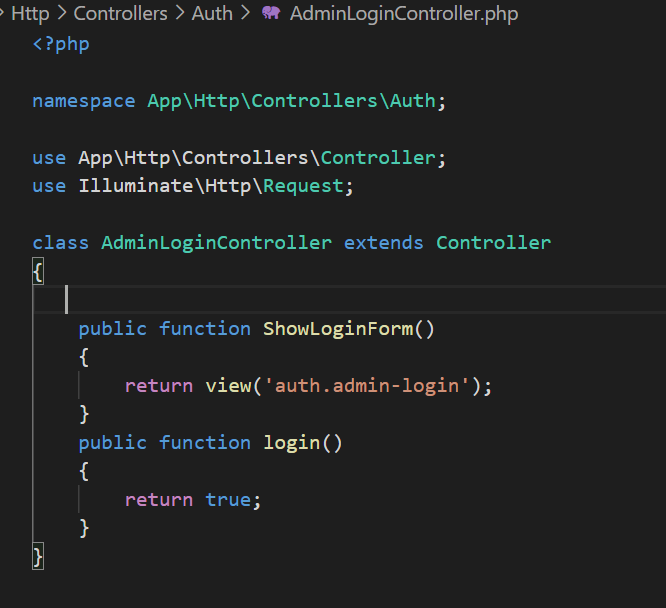
Update admin-login.blade.php

Change route of post

 Change heading



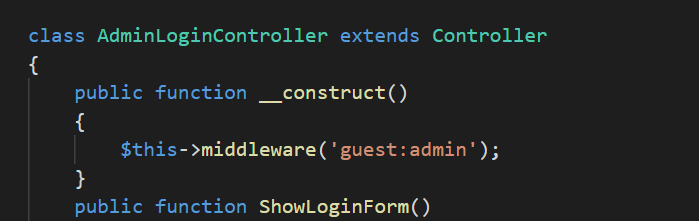
Admin controller e login er jonno method create



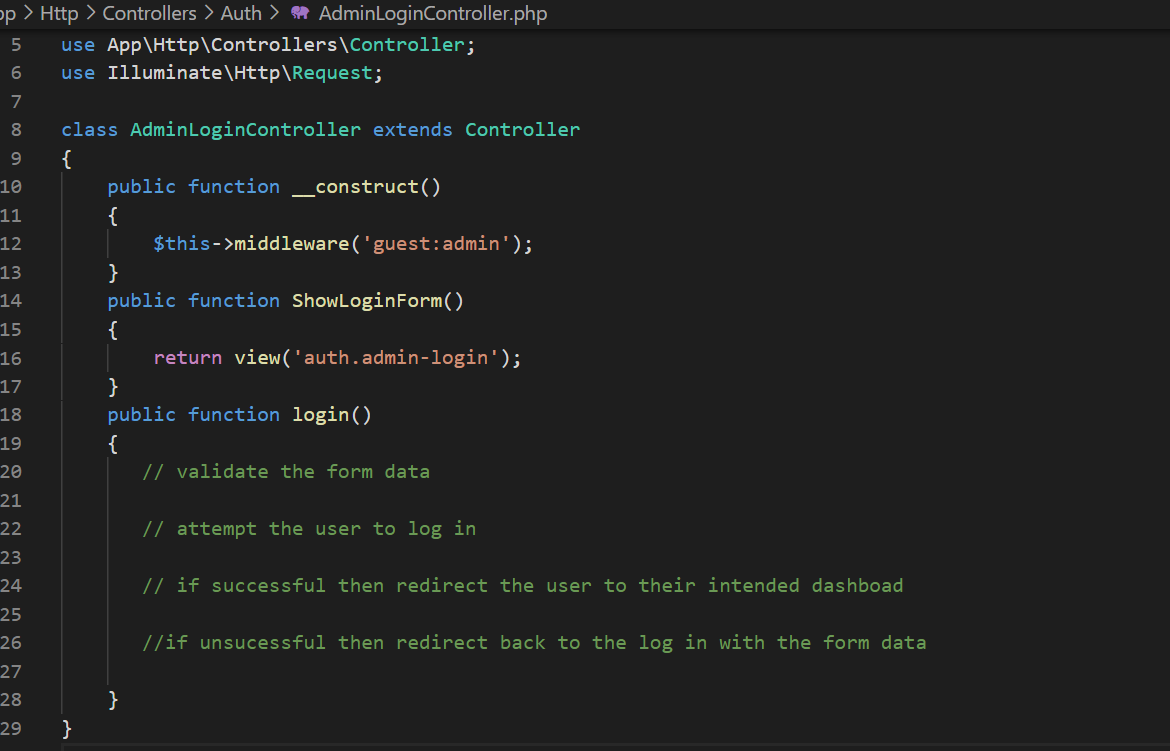
Routes create



Construct function create in AdminLoginController and mention guest admin jara login nai tar admin/login page e jabe

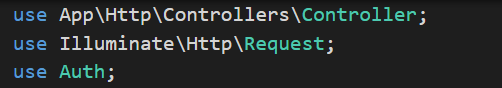


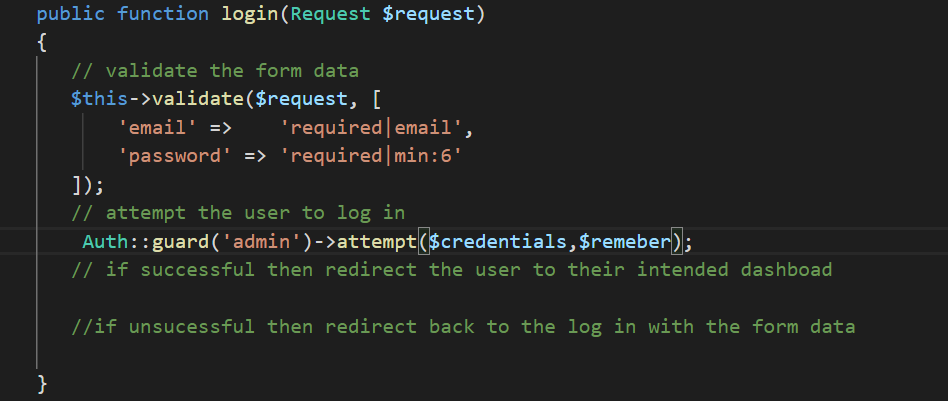
Admin login step in AdminLoginController

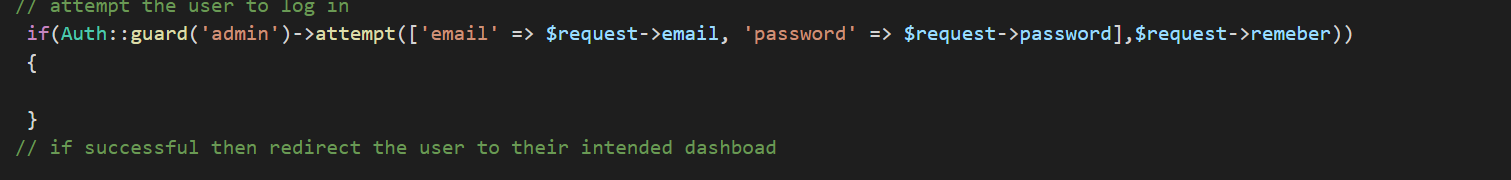


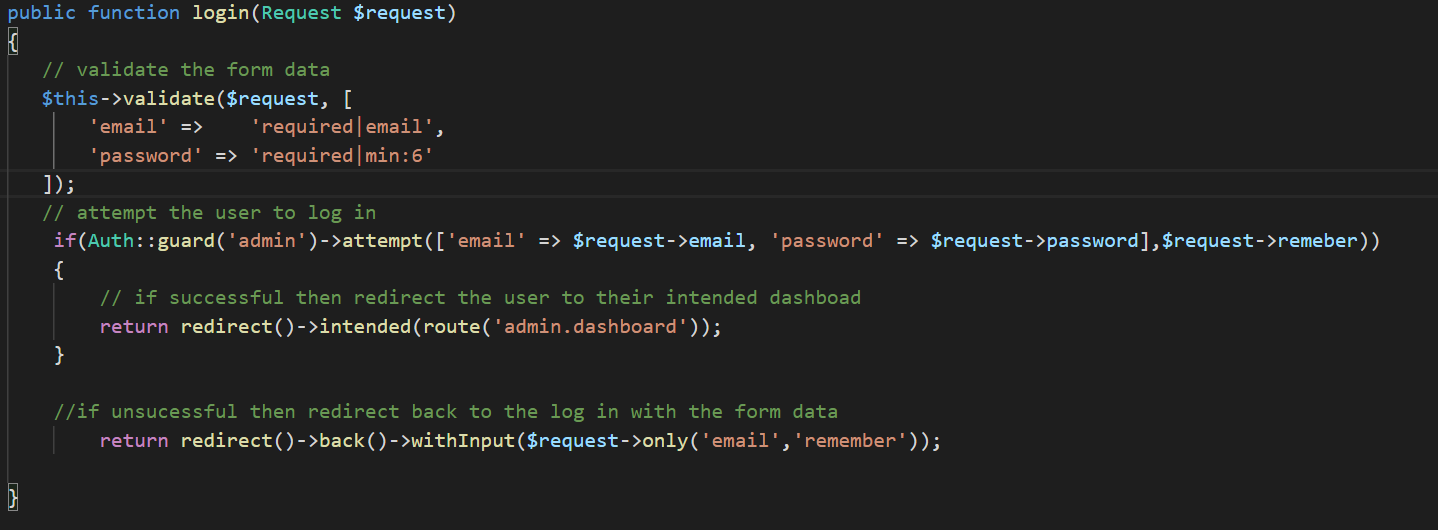
<https://youtu.be/Ir2nAD9UDGg?list=PLwAKR305CRO9S6KVHMJYqZpjPzGPWuQ7Q>

Use Auth

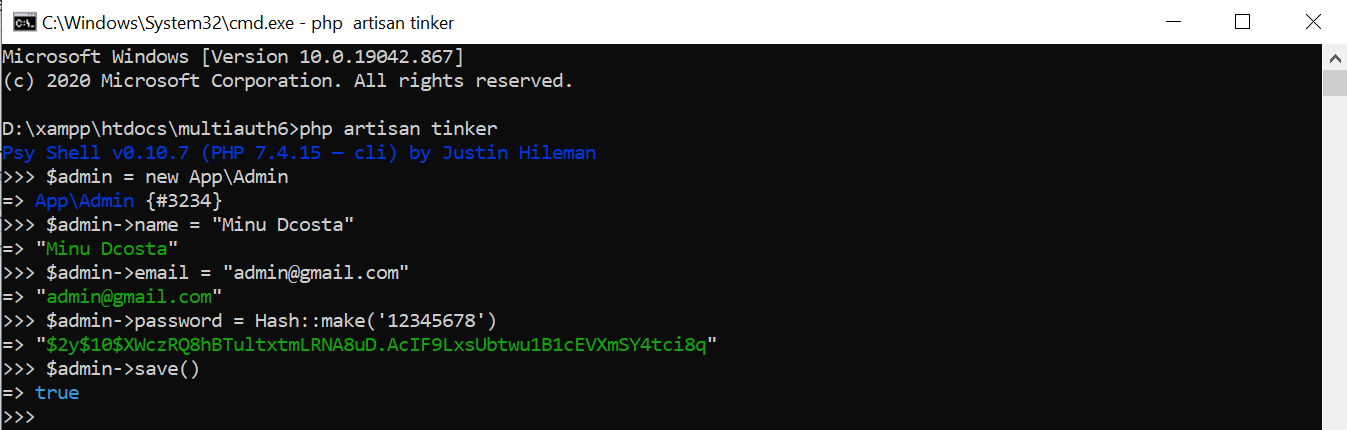








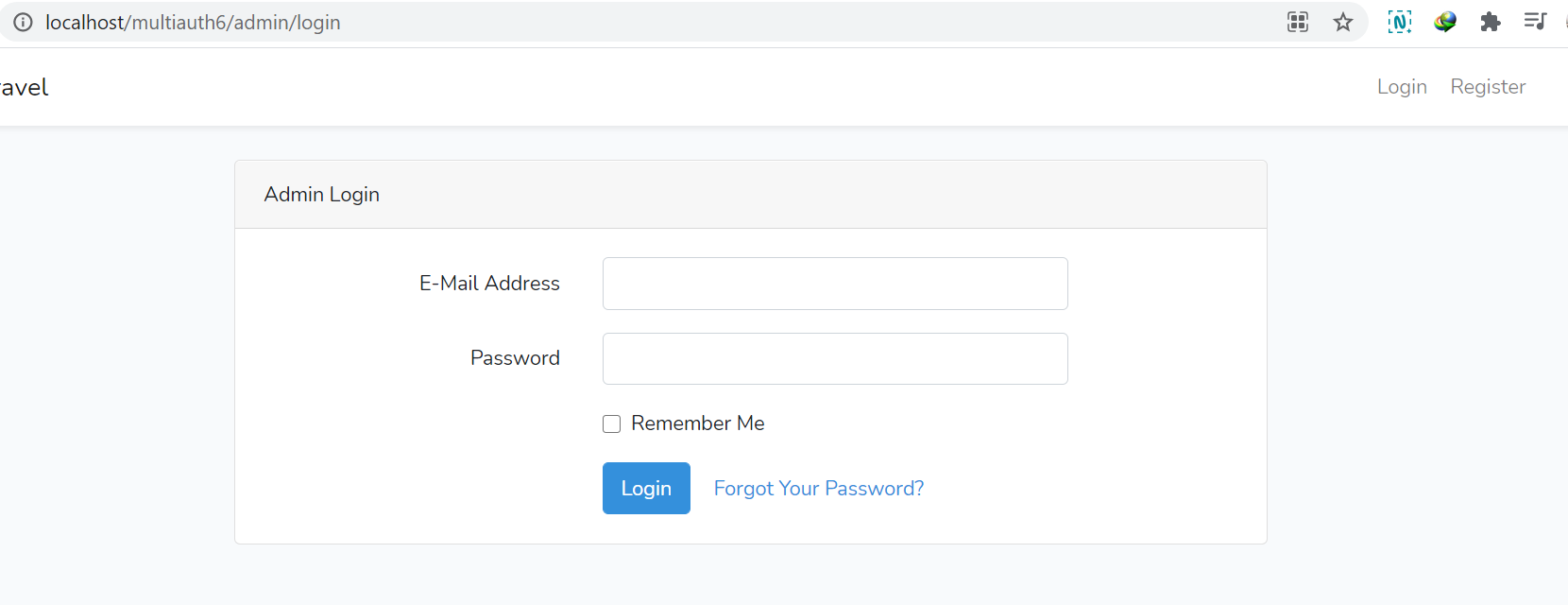
Now create an admin login using tinker , for test

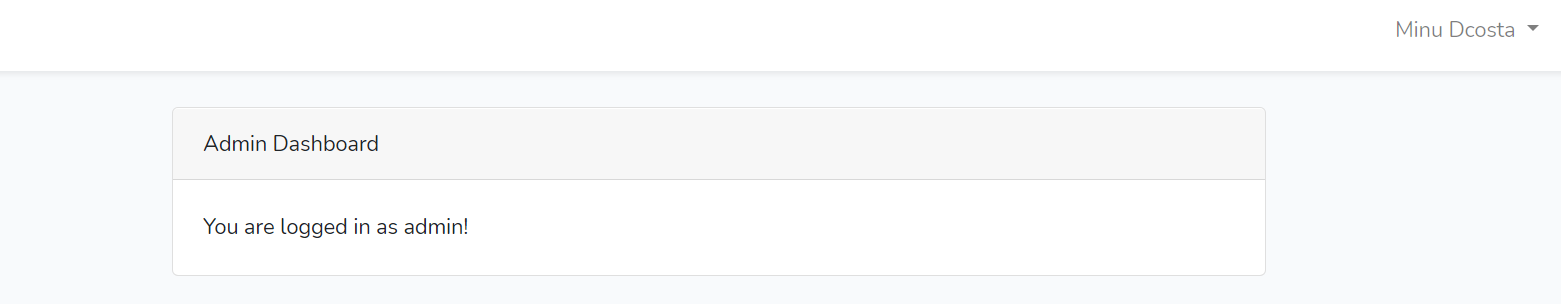


Now login as admin

User: [admin@gmail.com](mailto:admin@gmail.com)

Pass: 12345678



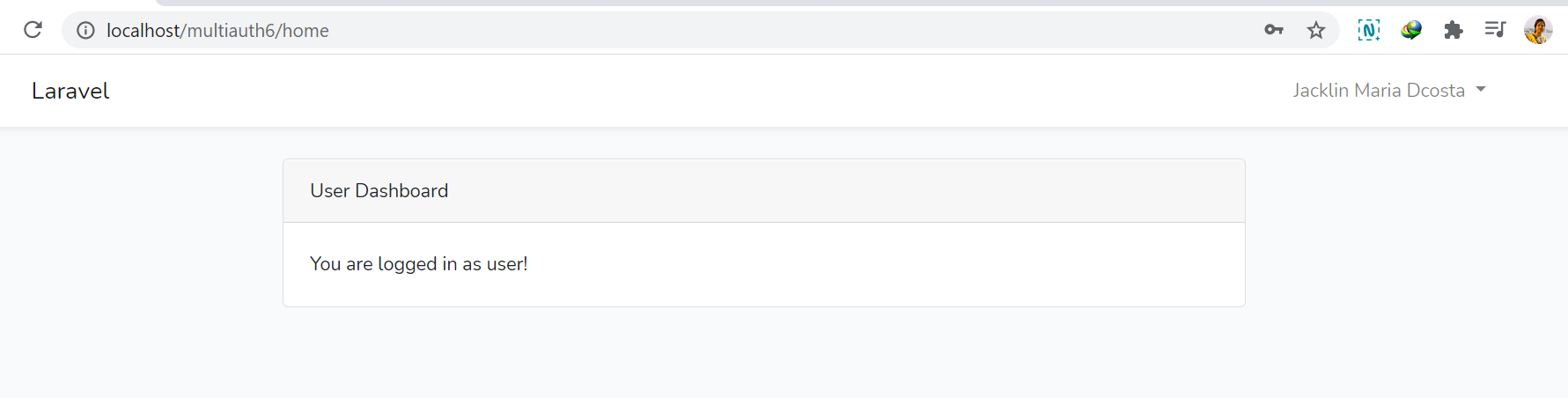


If we enter http://localhost/multiauth6/home after login as admin <http://localhost/multiauth6/admin>, then it will redirect to user login page not user dashboard. Eta kore bujha jacche amra alda alda log in korte parchi.

Ekhon pashapashi duita tab open kore user and admin login kori.

User : [jacklin@gmail.com](mailto:jacklin@gmail.com)

Pass: 12345678



Now set up, whenuser will hit admin, it will redirect to localhost/multiauth6/admin/login page not localhost/multiauth6/login , eta middleware diya thik korte hobe.

<https://youtu.be/Ir2nAD9UDGg?list=PLwAKR305CRO9S6KVHMJYqZpjPzGPWuQ7Q>

Third video

* Jokhon keu admin hishebe log in thakbe and admin/login hit korbe, tokhon take admin dashboard e niye jete hobe. Kintu eta admin dashboard e niye na giye, user login page e niya jacche. Jebhabe laravel er default login er por keu login hit korle take dashboard e redirect kore.
* Jokhon admin login na kore, keu admin/ hit korbe tokhon take admin/login page a niye jete hobe.

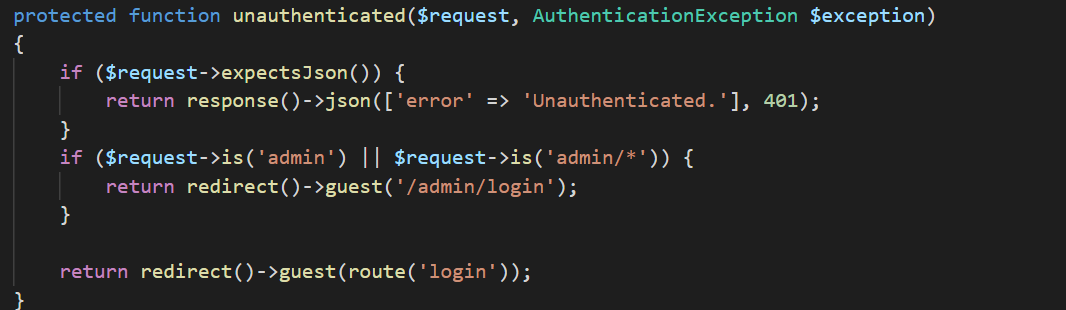
Update app\exceptions\Handler.php

Add these two lines in top of Handler.php

use Illuminate\Auth\AuthenticationException;

use Auth;

Add function unauthenticated



Now hit localhost/multiauth6/admin, it will land you to admin/login page

Update app\Http\Middleware\RedirectIfAuthenticated.php file

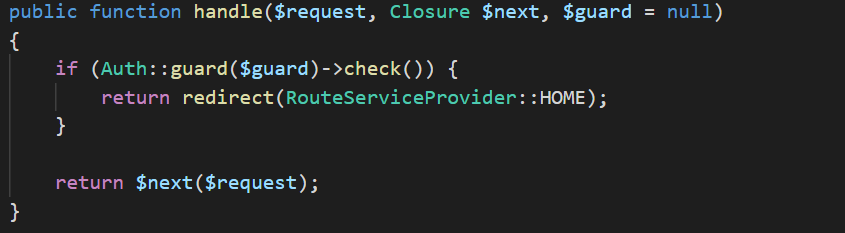
keu Jodi pashapashi duita tab er ektate admin login kore thake ar ektate user login kore thake tahole ,

admin tab e multiauth/admin/login dile take user multiauth/home dashboard e niye jay. But take admin dashboard e ante hobe.jebhabe user er panel e user login kora thakle , multiauth/user dile user/home page e nia ashe.

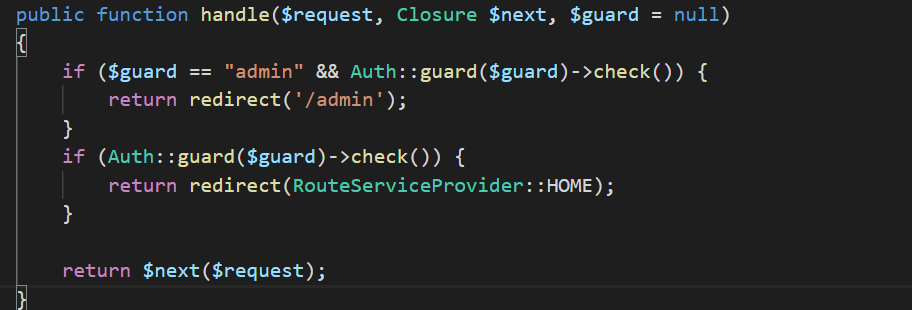
Update the handler function

Old

Update app\Http\Middleware\RedirectIfAuthenticated.php file

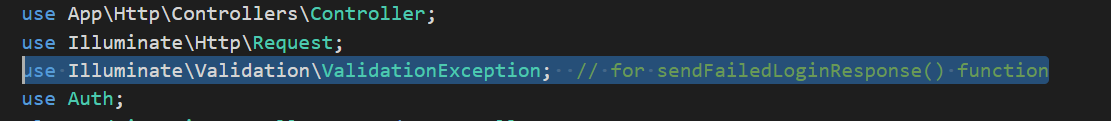


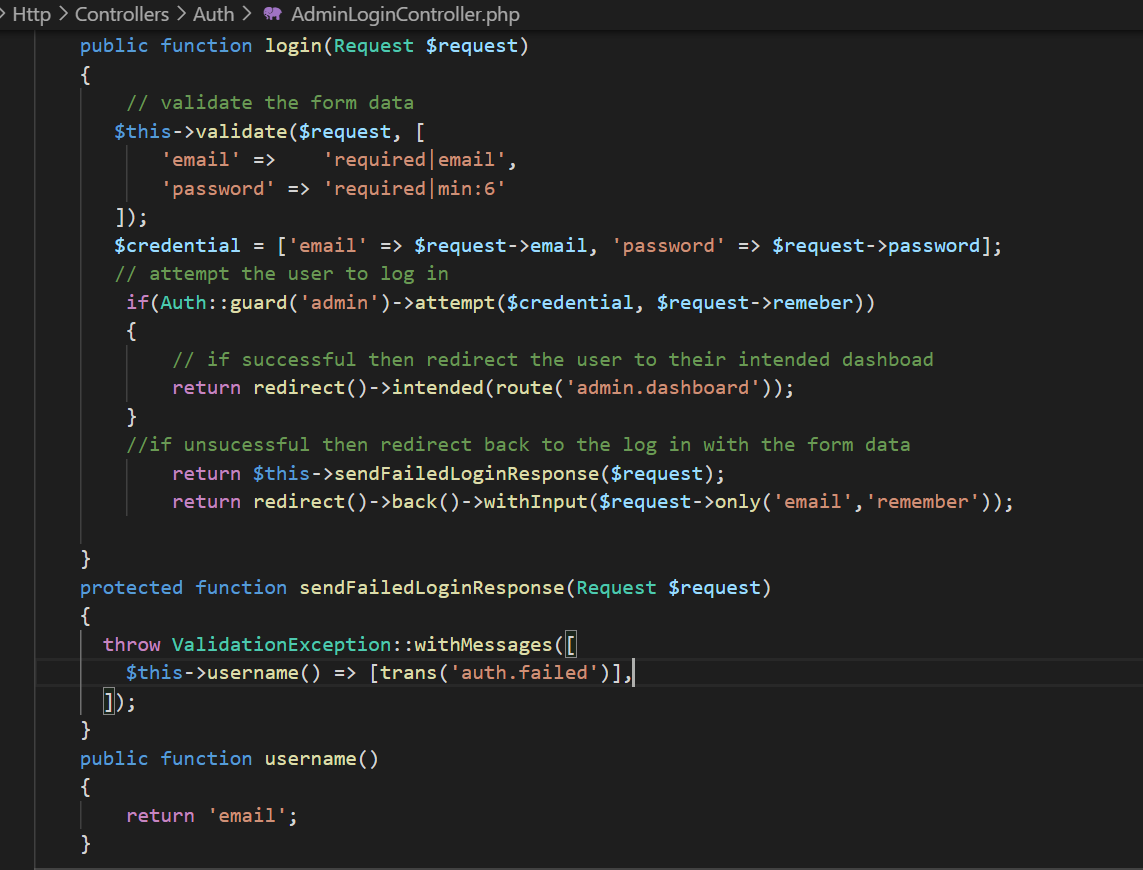
New



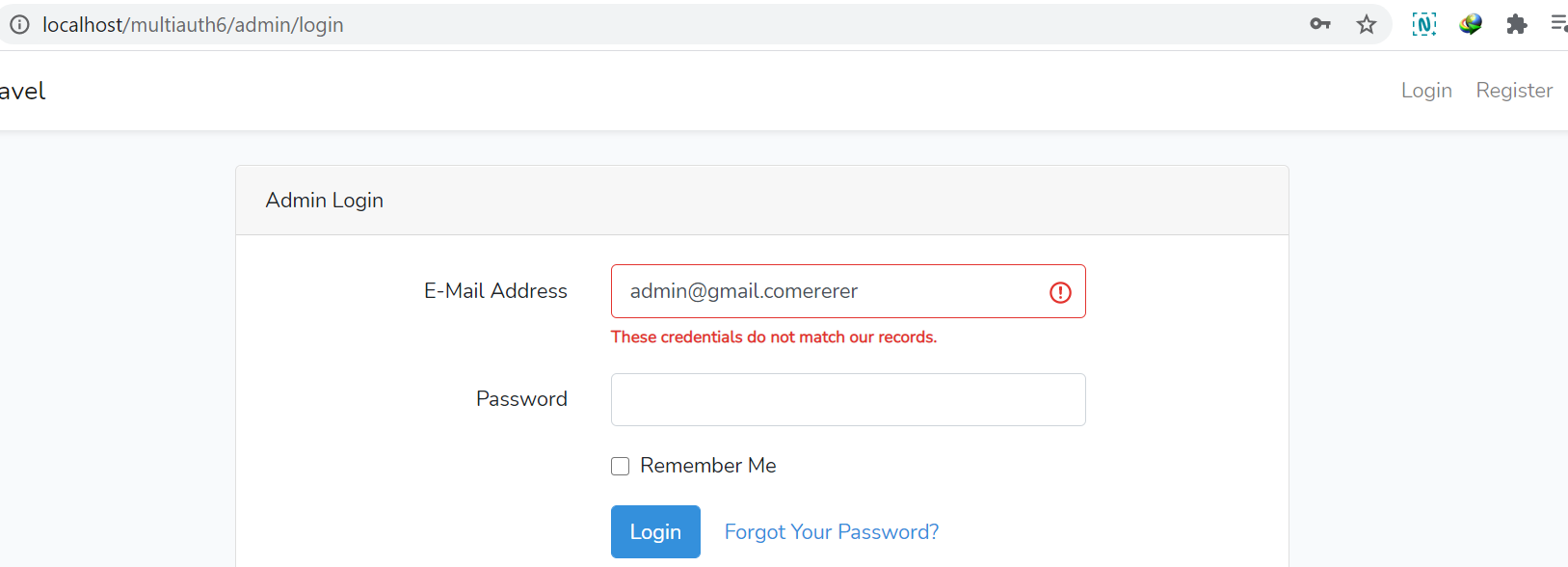
Now if we localhost/multiauth6/admin/login and enter wrong email for admin then validation does not show. Modify the login function of AdminLoginController

Add in above ValidationException



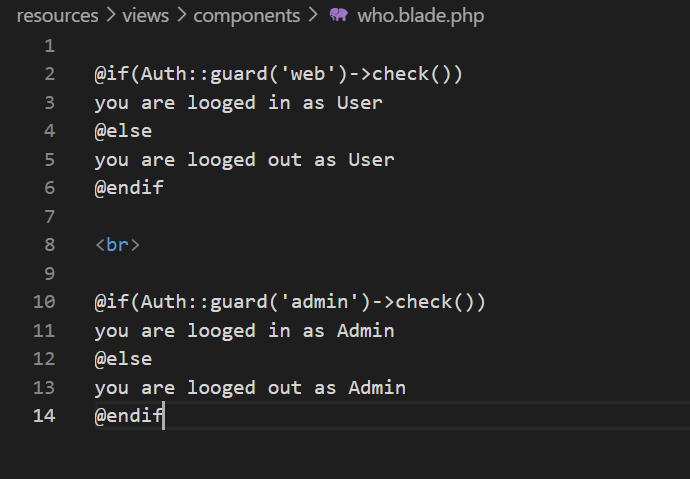


Now ekhon Jodi amra wrong email dey admin er jonno tahole message show korbe.

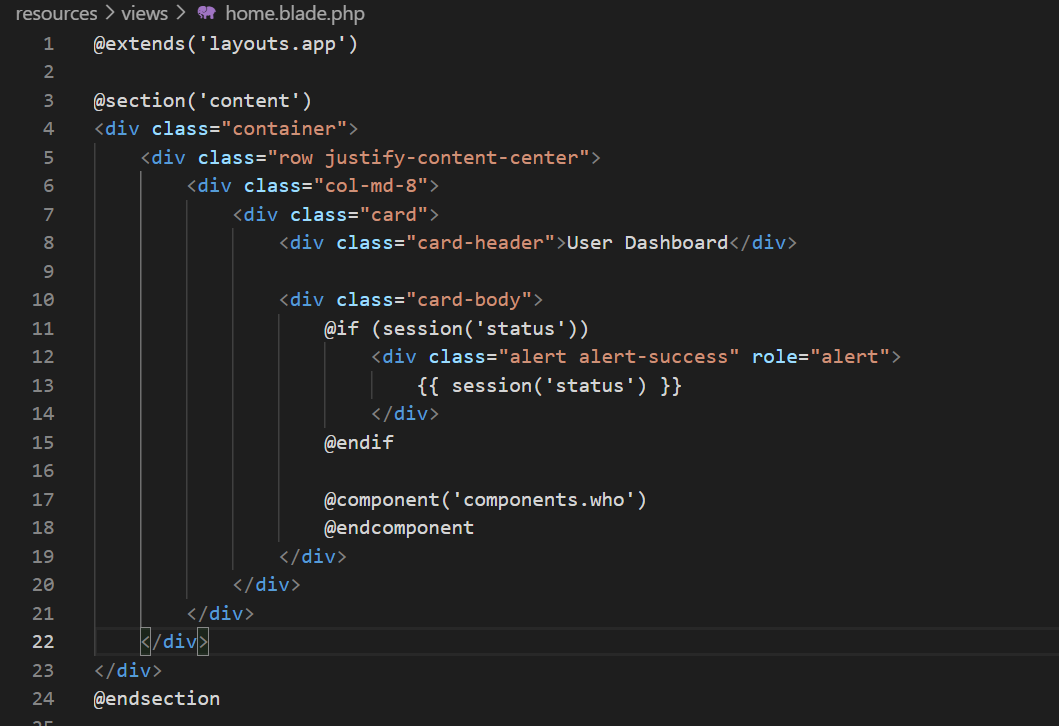


Now user and admin er log period janar jonno, jate alada alada log out kora jay , tai resource er components folder e ekta blade file who.blade.php rekhe , shei file ta home.blade and admin.blade theke call kori

multiauth6\resources\views\components\who.blade.php



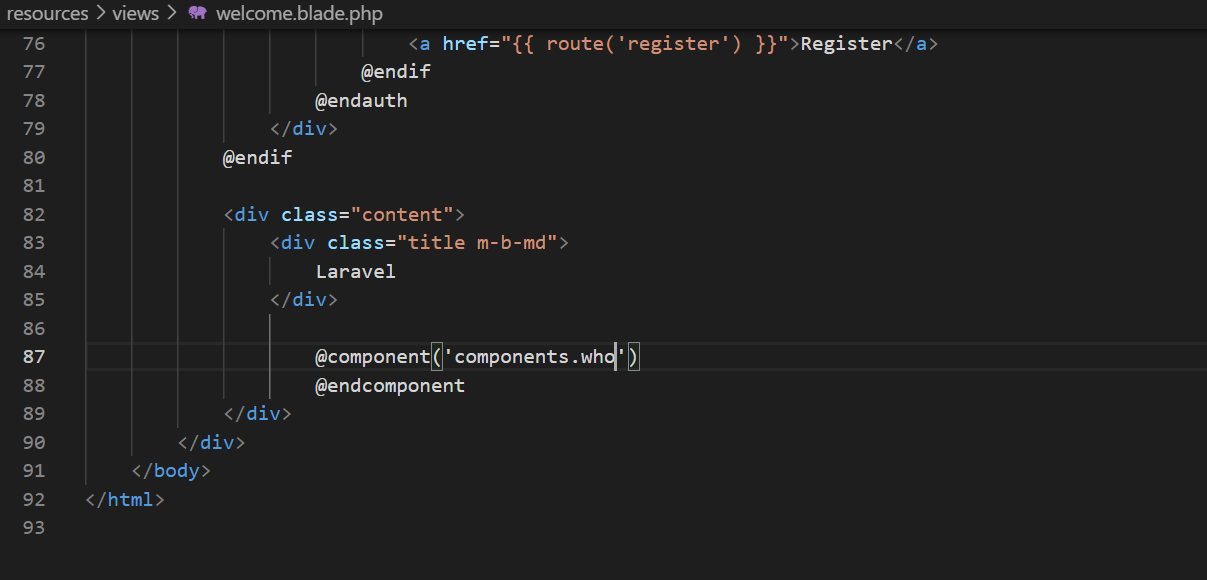
Call from [home.blade.php](http://home.blade.php)



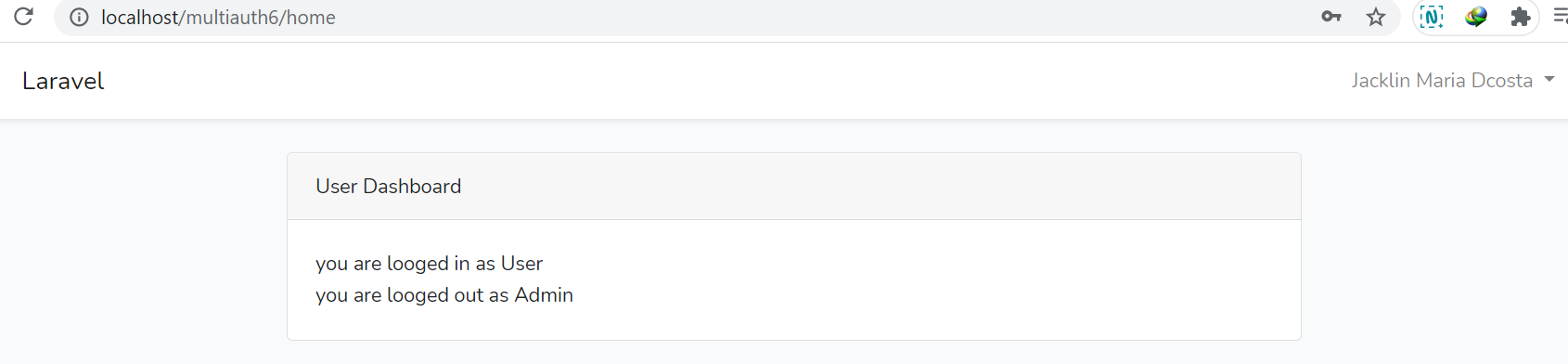
admin.blade



Welcome.blade



Login Dashboard of User



Log In dashboard of admin



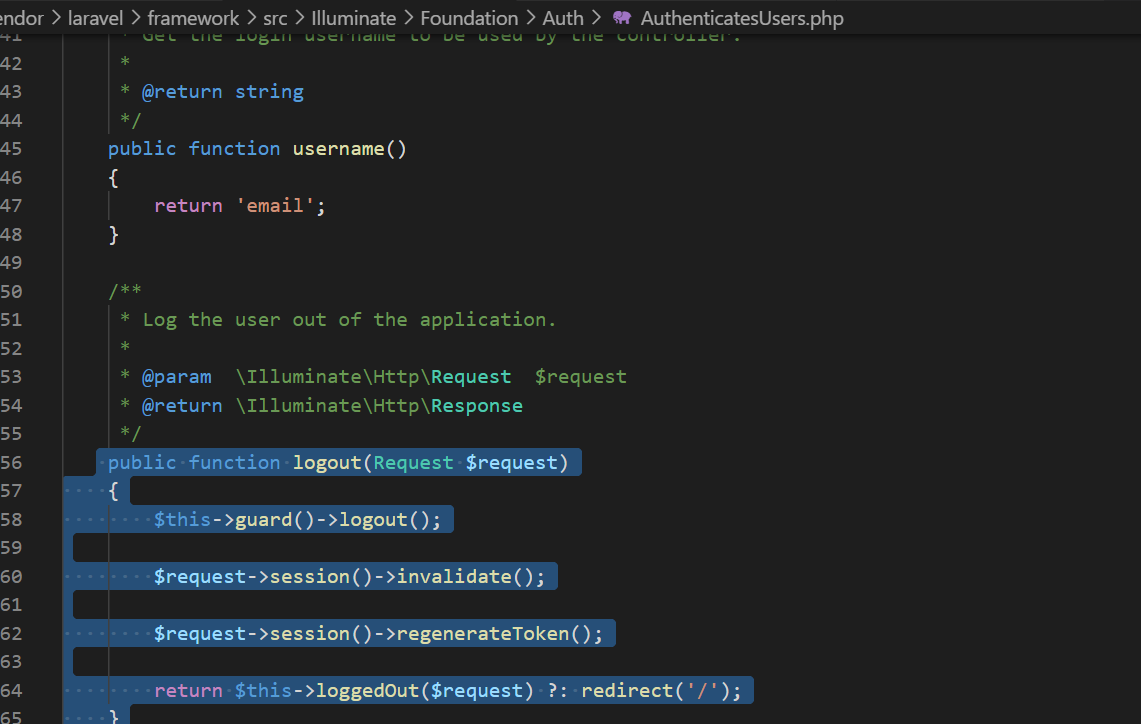
Particular user LogOut functionalities

<https://youtu.be/55YoSeS6egs?list=PLwAKR305CRO9S6KVHMJYqZpjPzGPWuQ7Q&t=546>

Laravel’s default log out function exist in Auth\LoginCOntroller file.

use AuthenticatesUsers;

ei function ta ache multiauth6\vendor\laravel\framework\src\Illuminate\Foundation\Auth\ AuthenticatesUsers.php

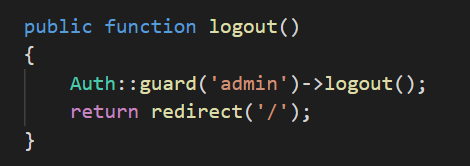


Logout function ta copy kore Auth\AdminLoginController and Auth\LoginController e paste kori.

LoginController e jokhon logout function ta likhbo tokhon etar bhinno name hote hobe, karon e function ta AuthenticatesUsers.php te ache, ar Jodi LoginController e abar likhi tahole method ta override kora hobe. Tai LoginController e etar name userLogout debo. Because laravel er hard code default logout method override na kora bhlao.

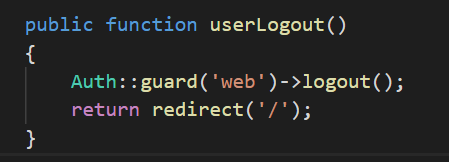
Logout set up AdminLoginController

Guard Admin define kore deya hoyeche, jate jokhon logout hoy, guest middleware , admin guard dara protected user der logout kore.



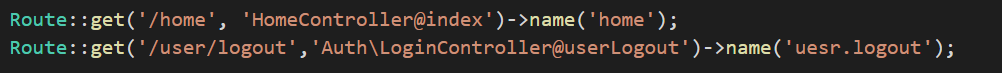
Logout set up LoginController

Guard web define kore deya hoyeche, jate jokhon logout hoy, guest middleware , admin web dara protected user der logout kore.

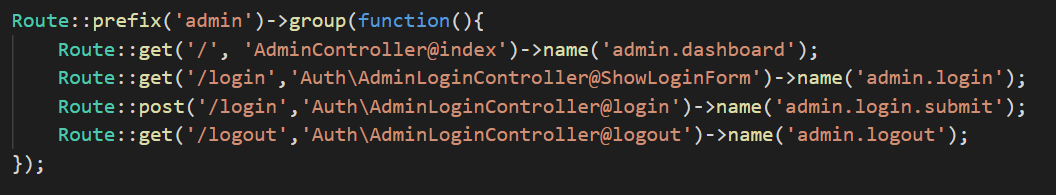


Route create for both guard logout.

User Logout



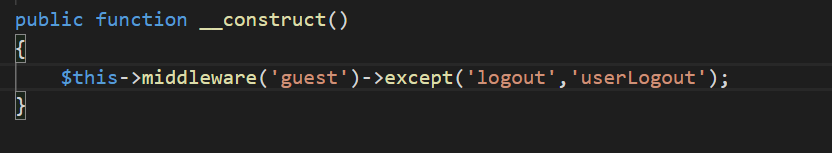
Admin logout



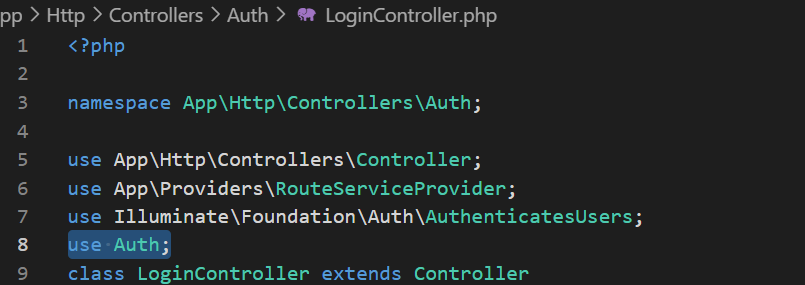
Auth\AdminLoginController and Auth\LoginController e je middleware function I ache tar kaj holo, unautheticated guest der login, redirect handle kora. And logout function ekjon logged in user er jonno apply hobe. Tai middleware ke bole dite hobe logout functuion jeno access na kore.

Because construct e middleware declare kora mane eta ei page e included shob method ke control korbe.

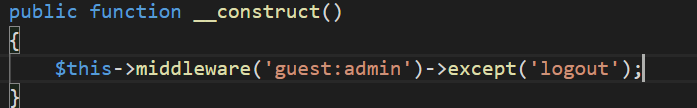
Auth\ LoginController e middleware update



Use Auth in top of Auth\ LoginController.



Auth\AdminLoginController e middleware update



Logout link in home.blade and admin.blade files

