**Tạo ứng dụng gọi API**

composer create-project --prefer-dist laravel/laravel=8.5.9 callapi

Tạo project callapi bằng dòng lệnh bên dưới

composer create-project --prefer-dist laravel/laravel=8.5.9 callapi

Tạo callapi.laravel.qlsv.com và trỏ vào thư mục callapi (dùng virtual host)

Cần xóa cache ở **qlsvapi** để tránh lỗi 401 Unauthorised

php artisan config:clear

php artisan config:cache

Tạo middleware để xác thực sau khi đã đăng nhập thành công

php artisan make:middleware EnsureTokenIsValid

Nó được tạo ra và nằm ở app\Http\Middleware\EnsureTokenIsValid.php

Cập nhật file app\Http\Middleware\EnsureTokenIsValid.php

<?php

namespace App\Http\Middleware;

use Closure;

use Illuminate\Http\Request;

class EnsureTokenIsValid

{

    /\*\*

     \* Handle an incoming request.

     \*

     \* @param  \Illuminate\Http\Request  $request

     \* @param  \Closure  $next

     \* @return mixed

     \*/

    public function handle(Request $request, Closure $next)

    {

        if(session()->has('token')) {

            return $next($request);

        } else {

            return redirect()->route("login");

        }

    }

}

Khai báo middleware trong Kernel. Chỉnh sửa file app/Http/Kernel.php

protected $routeMiddleware = [

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

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

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

        'can' => \Illuminate\Auth\Middleware\Authorize::class,

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

        'password.confirm' => \Illuminate\Auth\Middleware\RequirePassword::class,

        'signed' => \Illuminate\Routing\Middleware\ValidateSignature::class,

        'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class,

        'verified' => \Illuminate\Auth\Middleware\EnsureEmailIsVerified::class,

        'ensure.token.isvalid'=> \App\Http\Middleware\EnsureTokenIsValid::class,

    ];

Tạo LoginController.php

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Http;

class LoginController extends Controller

{

    function showLoginForm() {

        return view('auth.login');

    }

    function login() {

        $email = request()->input("email");

        $password = request()->input("password");

        $data = [

            "email" => $email,

            "password" => $password

        ];

        $response = Http::asForm()->post('http://api.laravel.qlsv.com/api/login',$data);

        if ($response->ok()) {//ok

            $result = $response->json();

            $token = $result["success"]["token"];

            $name = $result["success"]["name"];

            session()->put(["token" => $token, "name" => $name]);

            return redirect()->route("show");

        }

        else {

            echo $response->body();

        }

    }

    function logout(Request $request) {

        session()->flush();

        return redirect()->route("login");

    }

}

Tạo UserController.php

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Http;

class UserController extends Controller

{

    function \_\_construct()

    {

        $this->middleware("ensure.token.isvalid");

    }

    function show() {

        $token = session()->get("token");

        $response = Http::withToken($token)->get('http://api.laravel.qlsv.com/api/user');

        if ($response->ok()) {

            var\_dump($response->json());

        }

        else {

            echo "lỗi rồi";

        }

    }

}

**Copy các files bên dưới từ qlsv qua**

Copy css, js, vendor trong public

Copy layout.blade.php, error.blade.php, auth/login.blade.php và auth/register.blade.php trong views

Cập nhật file layout.blade.php

<!DOCTYPE html>

<html lang="en">

    <head>

        <meta charset="UTF-8">

        <title>@yield('title', 'Truy xuất thông tin')</title>

        <link rel="stylesheet" href="{{asset("vendor/bootstrap-4.5.3-dist/css/bootstrap.min.css")}}">

        <link rel="stylesheet" href="{{asset("vendor/fontawesome-free-5.15.1-web/css/all.min.css")}}">

        <link rel="stylesheet" href="{{asset("css/style.css")}}">

    </head>

    <body>

        <div class="container" style="margin-top:20px;">

            <nav class="navbar navbar-expand-md navbar-light bg-white shadow-sm pl-0 pr-0">

                <div class="container pl-0 pr-0">

                    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="{{ \_\_('Toggle navigation') }}">

                        <span class="navbar-toggler-icon"></span>

                    </button>

                    <div class="collapse navbar-collapse" id="navbarSupportedContent">

                        <!-- Left Side Of Navbar -->

                        <ul class="navbar-nav mr-auto">

                        </ul>

                        <!-- Right Side Of Navbar -->

                        <ul class="navbar-nav ml-auto">

                            <!-- Authentication Links -->

                            @if(!session()->has("token"))

                                @if (Route::has('login'))

                                    <li class="nav-item">

                                        <a class="nav-link" href="{{ route('login') }}">{{ \_\_('Đăng nhập') }}</a>

                                    </li>

                                @endif

                                @if (Route::has('register'))

                                    <li class="nav-item">

                                        <a class="nav-link" href="{{ route('register') }}">{{ \_\_('Đăng ký') }}</a>

                                    </li>

                                @endif

                            @else

                                <li class="nav-item dropdown">

                                    <a id="navbarDropdown" class="nav-link dropdown-toggle" href="#" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" v-pre>

                                        {{session()->get("name")}}

                                    </a>

                                    <div class="dropdown-menu dropdown-menu-right" aria-labelledby="navbarDropdown">

                                        <a class="dropdown-item" href="{{ route('logout') }}"

                                           onclick="event.preventDefault();

                                                         document.getElementById('logout-form').submit();">

                                            {{ \_\_('Thoát') }}

                                        </a>

                                        <form id="logout-form" action="{{ route('logout') }}" method="POST" class="d-none">

                                            @csrf

                                        </form>

                                    </div>

                                </li>

                            @endif

                        </ul>

                    </div>

                </div>

            </nav>

            @php

                $messageClass = request()->session()->has('error') ? "alert-danger": "alert-success";

                $message = request()->session()->has('error')

                    ? request()->session()->pull('error')

                    : request()->session()->pull('success');

            @endphp

            @if ($message)

            <div class="alert {{$messageClass}} text-center mt-3 mb-3">

                {{$message}}

            </div>

            @endif

            <div class="mt-4">

                @yield('content')

            </div>

            <!-- Modal -->

            <div class="modal fade" id="modalDeletingConfirmation" tabindex="-1" role="dialog" aria-labelledby="modelTitleId" aria-hidden="true">

                <div class="modal-dialog" role="document">

                    <div class="modal-content">

                        <div class="modal-header">

                            <h5 class="modal-title">Bạn muốn xóa ?</h5>

                                <button type="button" class="close" data-dismiss="modal" aria-label="Close">

                                    <span aria-hidden="true">&times;</span>

                                </button>

                        </div>

                        <div class="modal-footer">

                            <button type="button" class="btn btn-info" data-dismiss="modal">Hủy</button>

                            <form action="" method="POST">

                                @csrf

                                @method("DELETE")

                                <button type="submit" class="btn btn-danger">Xác Nhận</button>

                            </form>

                        </div>

                    </div>

                </div>

            </div>

            <script src="{{asset("vendor/jquery-3.5.1.min.js")}}"></script>

            <script src="{{asset("vendor/popper.min.js")}}"></script>

            <script src="{{asset("vendor/bootstrap-4.5.3-dist/js/bootstrap.min.js")}}"></script>

            <script src="{{asset("js/script.js")}}"></script>

        </div>

    </body>

</html>

Tạo routes/web.php

Route::get('/login', LoginController::class."@showLoginForm")->name("login");

Route::post('/login', LoginController::class."@login");

Route::post('/logout', LoginController::class."@logout")->name("logout");

Route::get('/user', UserController::class."@show")->name("show");

Route::redirect('/', "user", 301);

Thêm 2 dòng use vào routes/web.php

use App\Http\Controllers\UserController;

use App\Http\Controllers\LoginController;