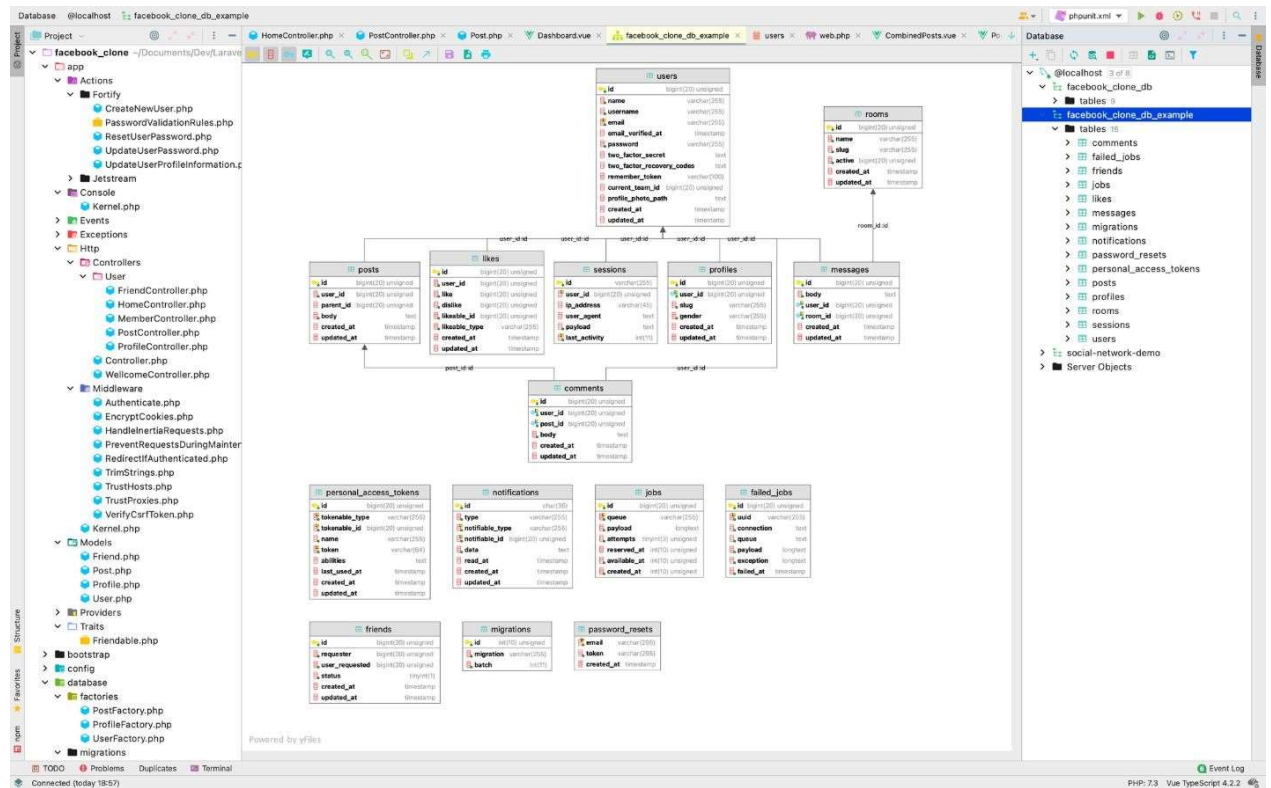


# PHẦN I: TỔNG QUAN - LỜI NÓI ĐẦU

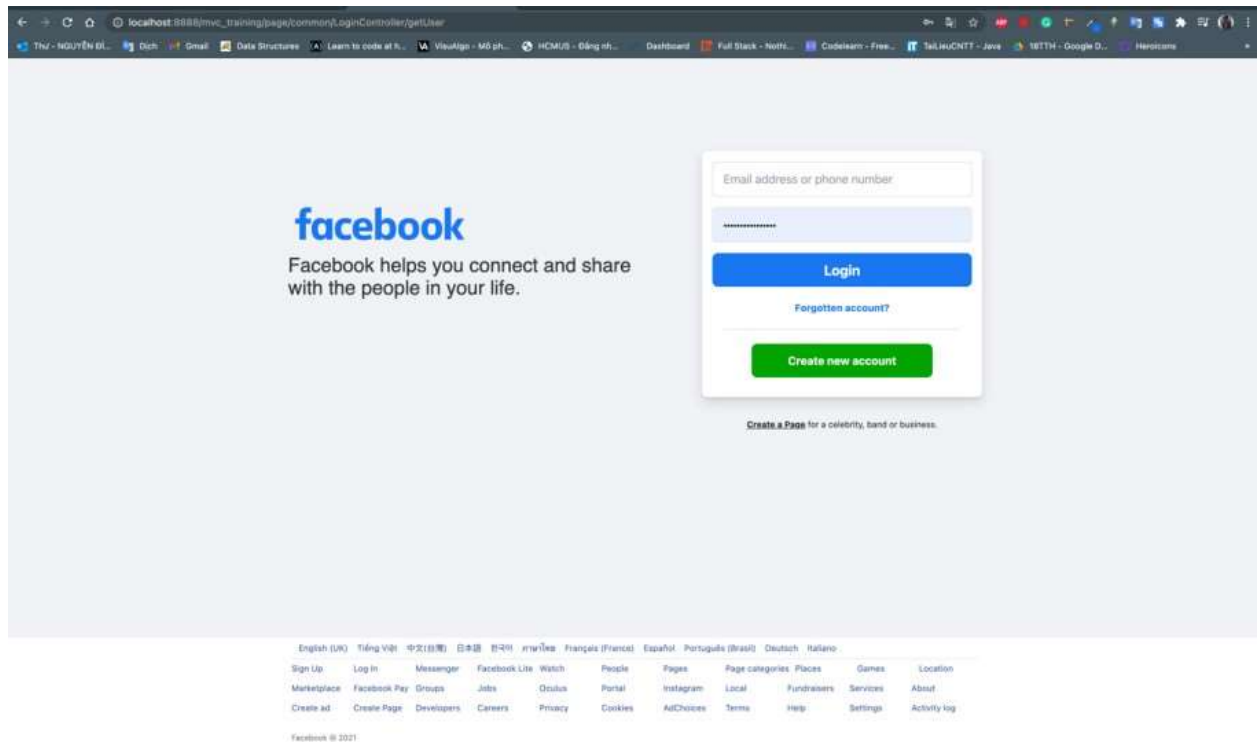
- Các công nghệ đã được sử dụng :

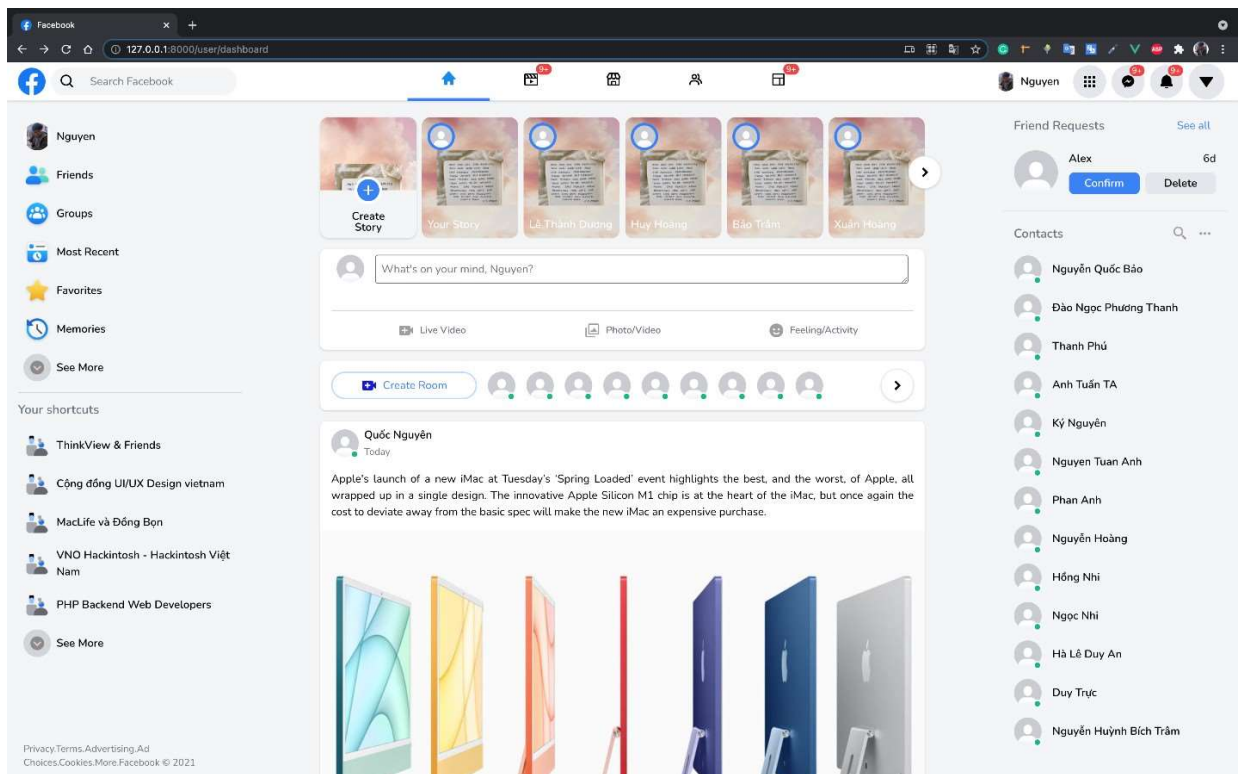
- Laravel 7
- VueJS 2
- TailwindCSS

- Mô hình cơ sở dữ liệu :

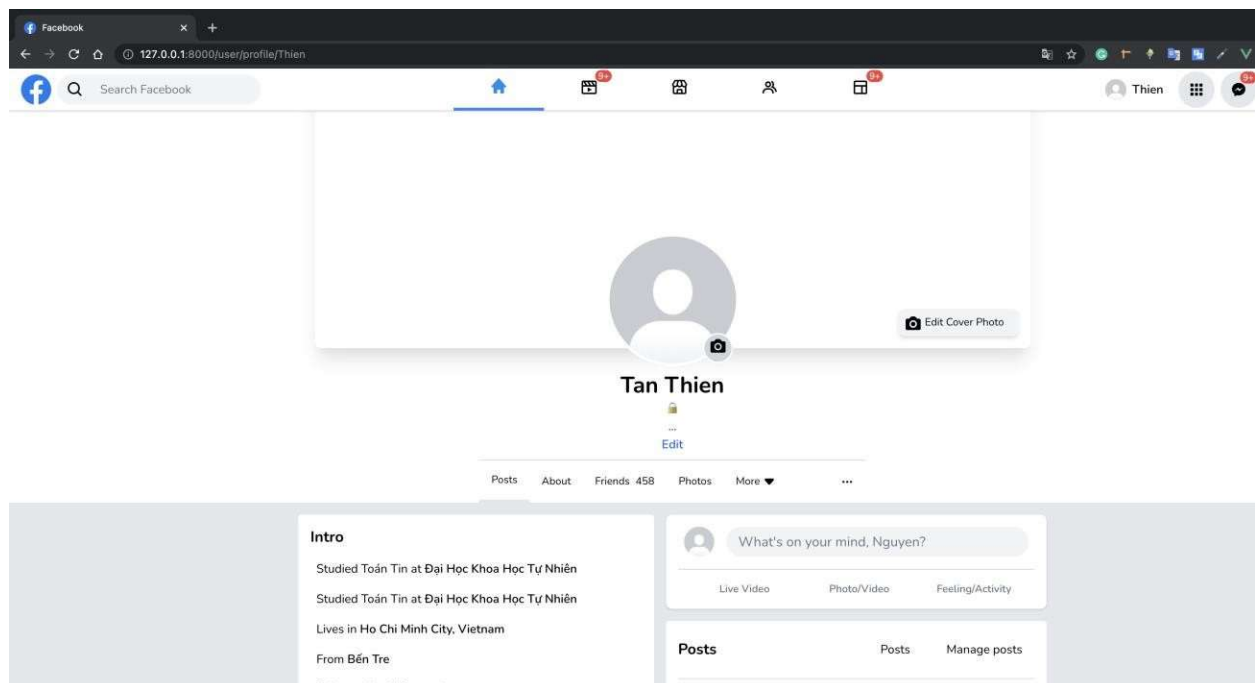


- Giao diện:

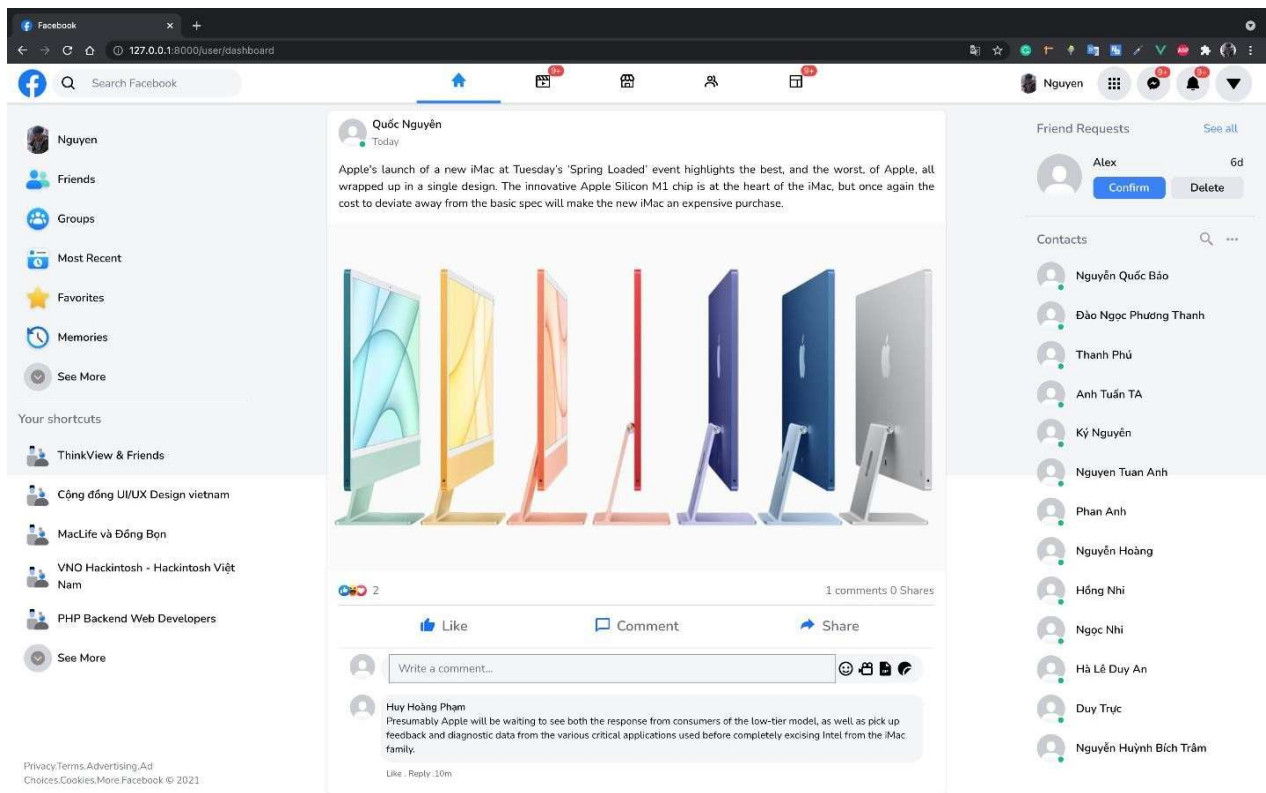




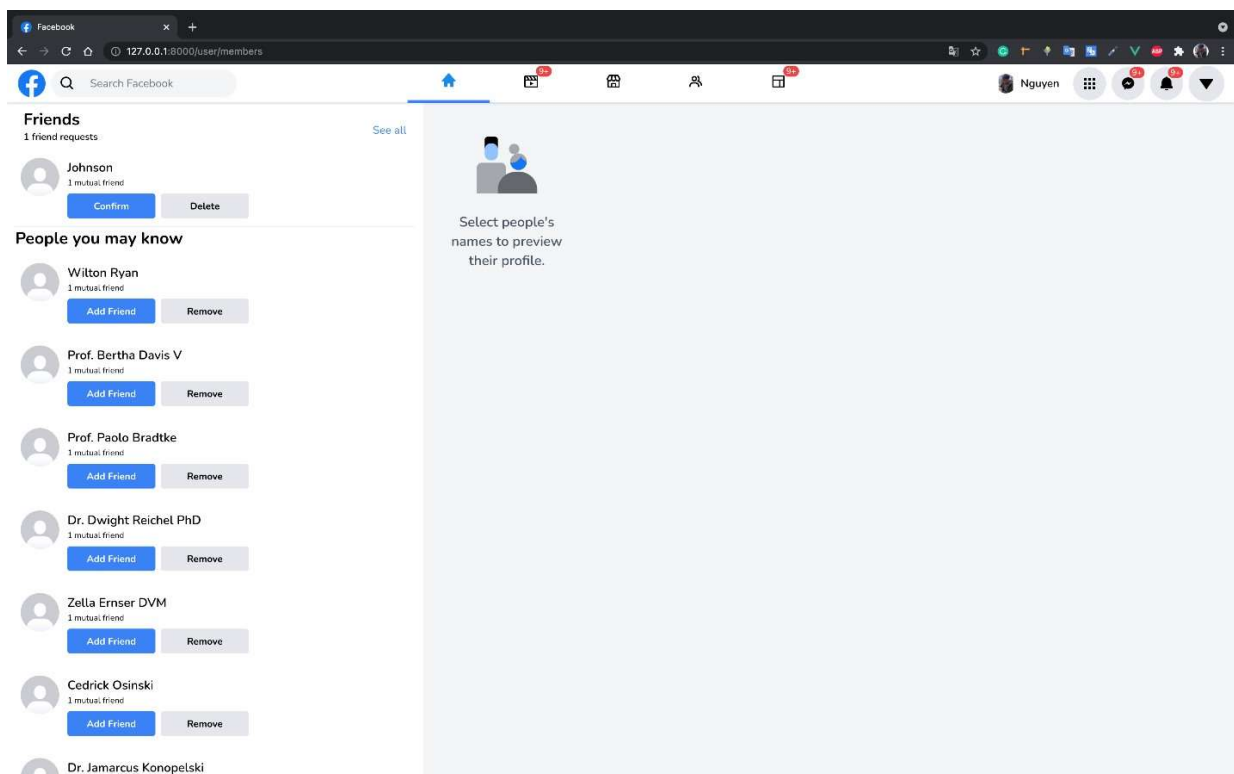
Giao diện trang chủ:



Giao diện đăng bài viết:

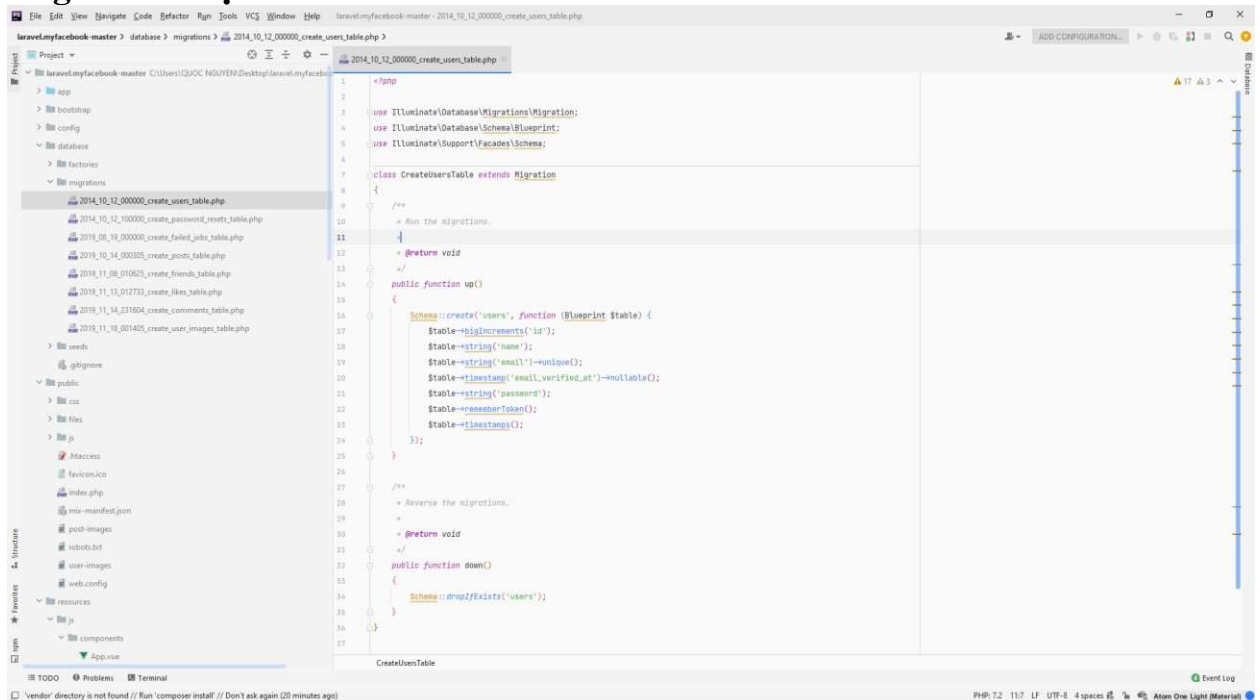


Giao diện lời mời kết bạn:

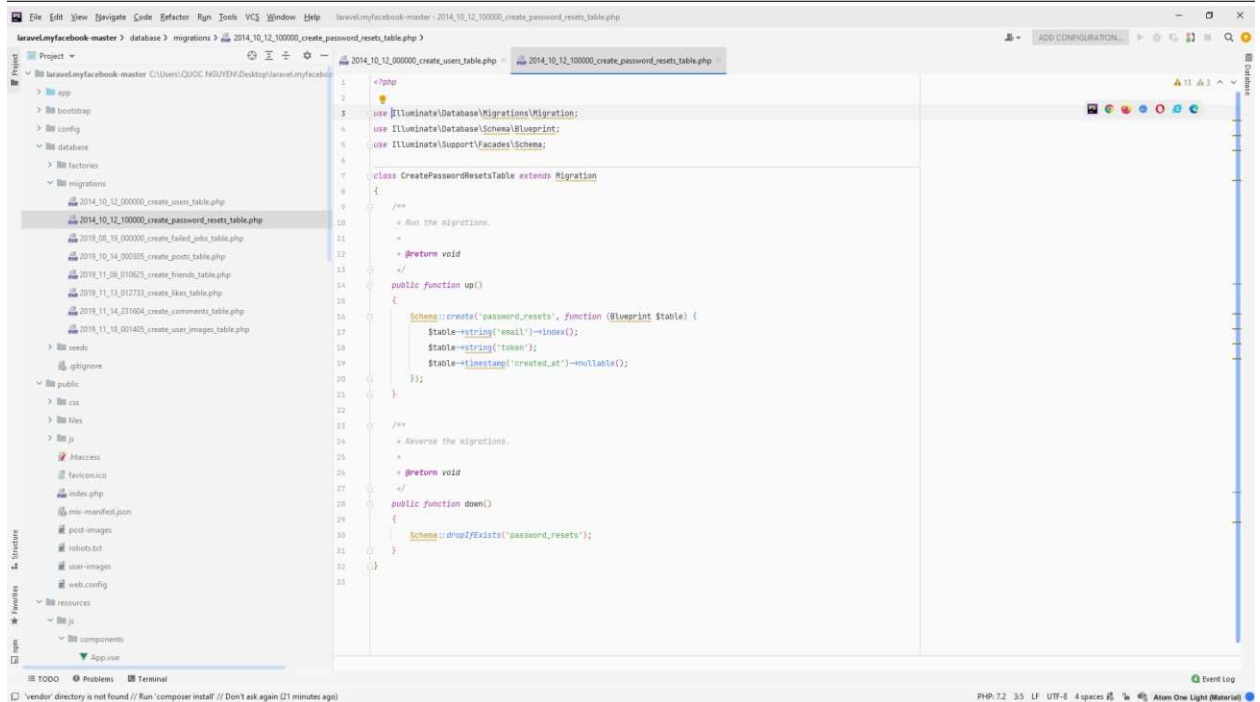


## PHẦN II: CODE

### ❑ Migrate dữ liệu vào db:



```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class CreateUsersTable extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('users', function (Blueprint $table) {
17             $table->increments('id');
18             $table->string('name');
19             $table->string('email')->unique();
20             $table->timestamp('email_verified_at')->nullable();
21             $table->string('password');
22             $table->rememberToken();
23             $table->timestamp('created_at');
24         });
25     }
26
27     /**
28      * Reverse the migrations.
29      *
30      * @return void
31      */
32     public function down()
33     {
34         Schema::dropIfExists('users');
35     }
36 }
```



```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class CreatePasswordResetsTable extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('password_resets', function (Blueprint $table) {
17             $table->string('email')->index();
18             $table->string('token');
19             $table->timestamp('created_at')->nullable();
20         });
21     }
22
23     /**
24      * Reverse the migrations.
25      *
26      * @return void
27      */
28     public function down()
29     {
30         Schema::dropIfExists('password_resets');
31     }
32 }
```

laravel.myfacebook-master - 2019\_08\_19\_000000\_create\_failed\_jobs\_table.php

```
1 <?php
2
3 use
4
5
6
7 class CreateFailedJobsTable extends Migration
8 {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::create('failed_jobs', function (Blueprint $table) {
18             $table->bigIncrements('id');
19             $table->text('connection');
20             $table->text('queue');
21             $table->longText('payload');
22             $table->longText('exception');
23             $table->timestamp('failed_at')->useCurrent();
24         });
25
26         /**
27          * Reverse the migrations.
28          *
29          * @return void
30          */
31         public function down()
32         {
33             Schema::dropIfExists('failed_jobs');
34         }
35     }
36 }
```

ClassReferenceImpl: Blueprint \Illuminate\Database\Schema\Blueprint  
Source: <database/migrations/2019\_08\_19\_000000\_create\_failed\_jobs\_table.php  
Blueprint on www.php.net >

Event Log

PHP: 7.2 7.7 LF UTF-8 4 spaces

Atom One Light (Material)

Unused element: 'CreateFailedJobsTable'

laravel.myfacebook-master - 2019\_10\_14\_000005\_create\_posts\_table.php

```
1 <?php
2
3 use
4
5
6
7 class CreatePostsTable extends Migration
8 {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::create('posts', function (Blueprint $table) {
18             $table->bigIncrements('id');
19             $table->unsignedBigInteger('user_id');
20             $table->text('body');
21             $table->string('image')->nullable();
22             $table->timestamps();
23         });
24
25         /**
26          * Reverse the migrations.
27          *
28          * @return void
29          */
30         public function down()
31         {
32             Schema::dropIfExists('posts');
33         }
34     }
35 }
```

Event Log

PHP: 7.2 7.7 LF UTF-8 4 spaces

Atom One Light (Material)

Unused element: 'CreatePostsTable'

laravel.myfacebook-master > database > migrations > 2019\_11\_06\_010625\_create\_friends\_table.php

```
1 <?php
2
3 use
4
5
6
7 class CreateFriendsTable extends Migration
8 {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::create('friends', function (Blueprint $table) {
18             $table->bigIncrements('id');
19             $table->unsignedBigInteger('user_id');
20             $table->unsignedBigInteger('friend_id');
21             $table->tinyInteger('status')->nullable();
22             $table->timestamp('confirmed_at')->nullable();
23             $table->timestamps();
24
25             $table->unique(['user_id', 'friend_id']);
26         });
27
28     /**
29      * Reverse the migrations.
30      *
31      * @return void
32      */
33     public function down()
34     {
35         Schema::dropIfExists('friends');
36     }
37 }
```

Event Log

PHP: 7.2 7.7 LF UTF-8 4 spaces Atom One Light (Material)

Unused element: 'CreateFriendsTable'

laravel.myfacebook-master > database > migrations > 2019\_11\_13\_012733\_create\_likes\_table.php

```
1 <?php
2
3 use
4
5
6
7 class CreateLikesTable extends Migration
8 {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::create('likes', function (Blueprint $table) {
18             $table->bigIncrements('id');
19             $table->unsignedBigInteger('post_id');
20             $table->unsignedBigInteger('user_id');
21             $table->timestamps();
22         });
23
24     /**
25      * Reverse the migrations.
26      *
27      * @return void
28      */
29     public function down()
30     {
31         Schema::dropIfExists('likes');
32     }
33 }
```

Event Log

PHP: 7.2 7.7 LF UTF-8 4 spaces Atom One Light (Material)

Unused element: 'CreateLikesTable'



laravel.myfacebook-master > database > migrations > 2019\_11\_14\_231604\_create\_comments\_table.php

```
1 <?php
2
3 use
4
5
6
7 class CreateCommentsTable extends Migration
8 {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::create('comments', function (Blueprint $table) {
18             $table->increments('id');
19             $table->unsignedBigInteger('post_id');
20             $table->unsignedBigInteger('user_id');
21             $table->text('body');
22             $table->timestamps();
23         });
24     }
25
26     /**
27      * Reverse the migrations.
28      *
29      * @return void
30      */
31     public function down()
32     {
33         Schema::dropIfExists('comments');
34     }
35 }
```

CreateCommentsTable

PHP: 7.2 3.7 LF UTF-8 4 spaces 16 Atom One Light (Material)

laravel.myfacebook-master > database > migrations > 2019\_11\_18\_001405\_create\_user\_images\_table.php

```
1 <?php
2
3 use
4
5
6
7 class CreateUserImagesTable extends Migration
8 {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::create('user_images', function (Blueprint $table) {
18             $table->increments('id');
19             $table->unsignedBigInteger('user_id');
20             $table->string('path');
21             $table->string('width');
22             $table->string('height');
23             $table->string('location');
24             $table->timestamps();
25         });
26     }
27
28     /**
29      * Reverse the migrations.
30      *
31      * @return void
32      */
33     public function down()
34     {
35         Schema::dropIfExists('user_images');
36     }
37 }
```

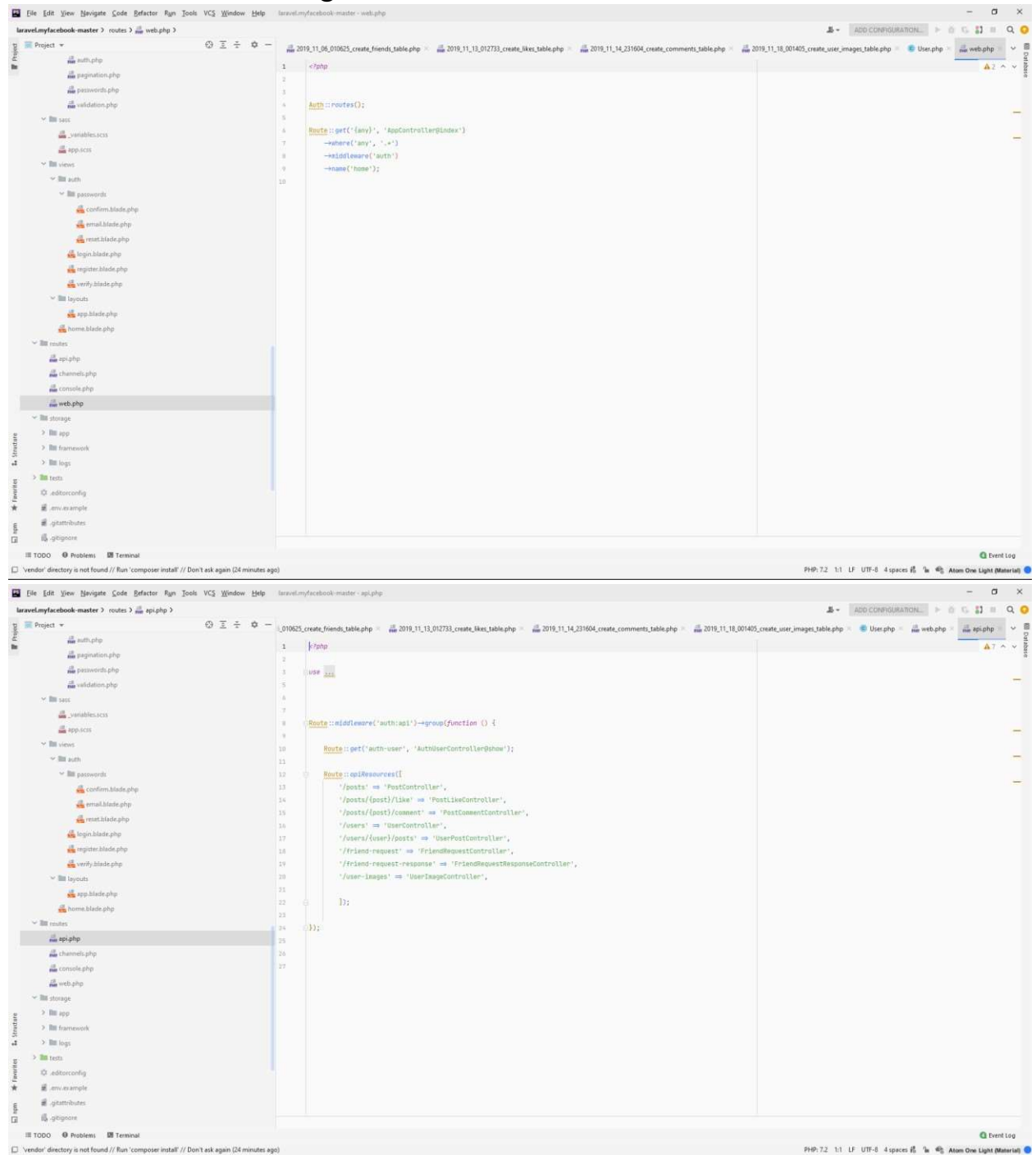
CreateUserImagesTable

PHP: 7.2 3.7 LF UTF-8 4 spaces 16 Atom One Light (Material)

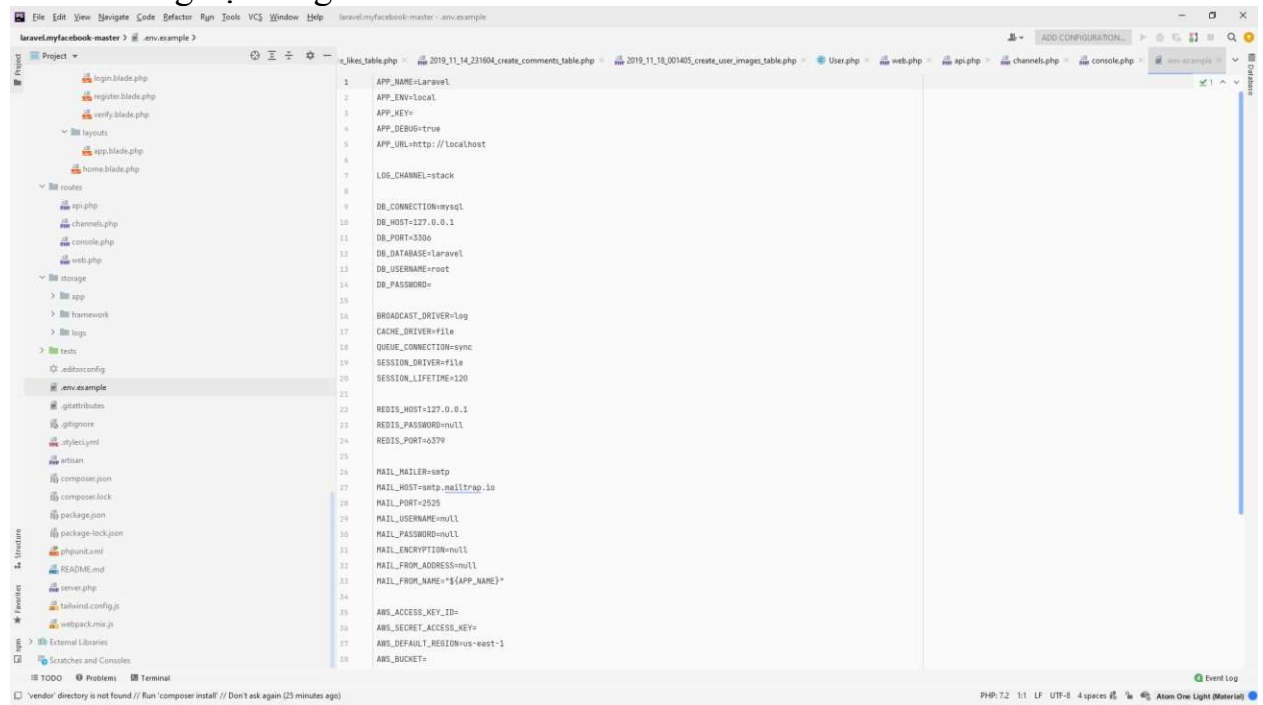


## Phản xử lý đăng nhập dùng chức năng Auth của Laravel:

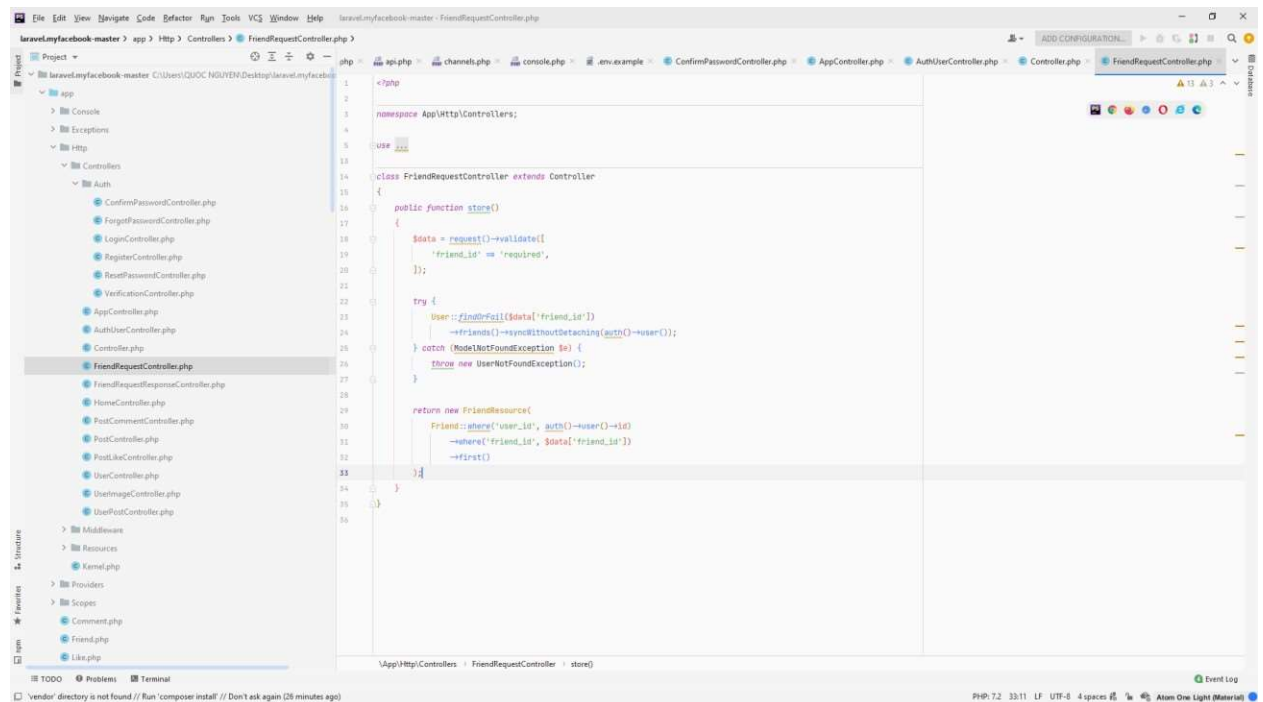
## Phản routes để điều hướng URL của web:



## Phần setting hệ thống db:



## Controller:



laravel.myfacebook-master > app > Http > Controllers > FriendRequestResponseController.php

```
11 class FriendRequestResponseController extends Controller
12 {
13     public function store()
14     {
15         $data = request()->validate([
16             'user_id' => 'required',
17             'status' => 'required',
18         ]);
19
20         try {
21             $friendRequest = Friend::where('user_id', $data['user_id'])
22                 ->where('friend_id', auth()-user()-id)
23                 ->firstOrFail();
24         } catch (ModelNotFoundException $e) {
25             throw new FriendRequestNotFoundException();
26         }
27
28         $friendRequest->update(array_merge($data, [
29             'confirmed_at' => now(),
30         ]));
31
32         return new FriendResource($friendRequest);
33     }
34
35     public function destroy()
36     {
37         $data = request()->validate([
38             'user_id' => 'required',
39         ]);
40
41         try {
42             $friend = Friend::where('user_id', $data['user_id'])
43                 ->where('friend_id', auth()-user()-id)
44                 ->firstOrFail();
45             $friend->delete();
46         } catch (ModelNotFoundException $e) {
47             throw new FriendRequestNotFoundException();
48         }
49     }
50 }
```

App\Http\Controllers > FriendRequestResponseController

laravel.myfacebook-master > app > Http > Controllers > HomeController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class HomeController extends Controller
8 {
9     /**
10      * Create a new controller instance.
11      *
12      * @return void
13      */
14     public function __construct()
15     {
16         $this->middleware('auth');
17     }
18
19     /**
20      * Show the application dashboard.
21      *
22      * @return \Illuminate\Contracts\Support\Renderable
23      */
24     public function index()
25     {
26         return view('home');
27     }
28 }
```

App\Http\Controllers > HomeController

laravel.myfacebook-master - PostCommentController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7
8
9
10
11 class PostCommentController extends Controller
12 {
13     public function store(Post $post)
14     {
15         $data = request()->validate([
16             'body' => 'required',
17         ]);
18
19         $post->comments()->create(array_merge($data, [
20             'user_id' => auth()->user()->id,
21         ]));
22
23         return new CommentCollection($post->comments());
24     }
25 }
26
27
```

Project: laravel.myfacebook-master > app > Http > Controllers > PostCommentController.php

Structure: app > Http > Controllers > Auth > ConfirmPasswordController.php, ForgotPasswordController.php, LoginController.php, RegisterController.php, ResetPasswordController.php, VerificationController.php, AppController.php, AuthUserController.php, Controller.php, FriendRequestController.php, FriendRequestResponseController.php, HomeController.php, PostCommentController.php, PostController.php, PostLikeController.php, UserController.php, UserImageController.php, UserPostController.php

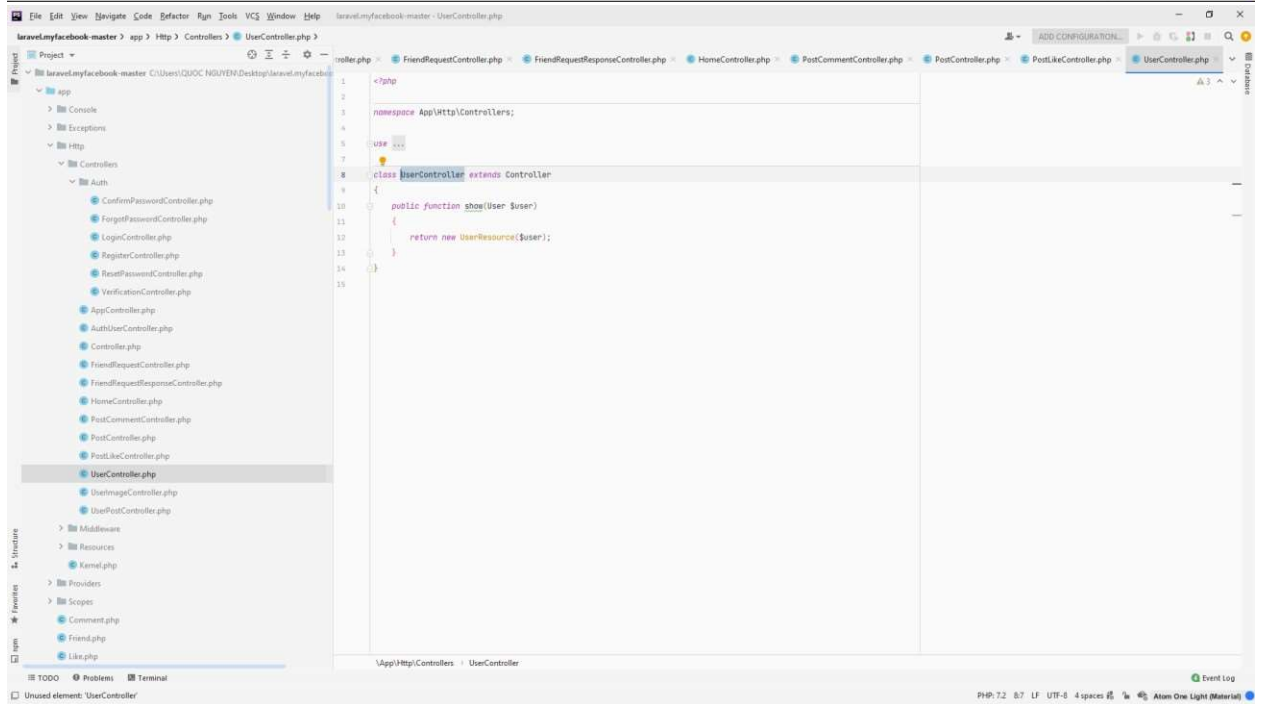
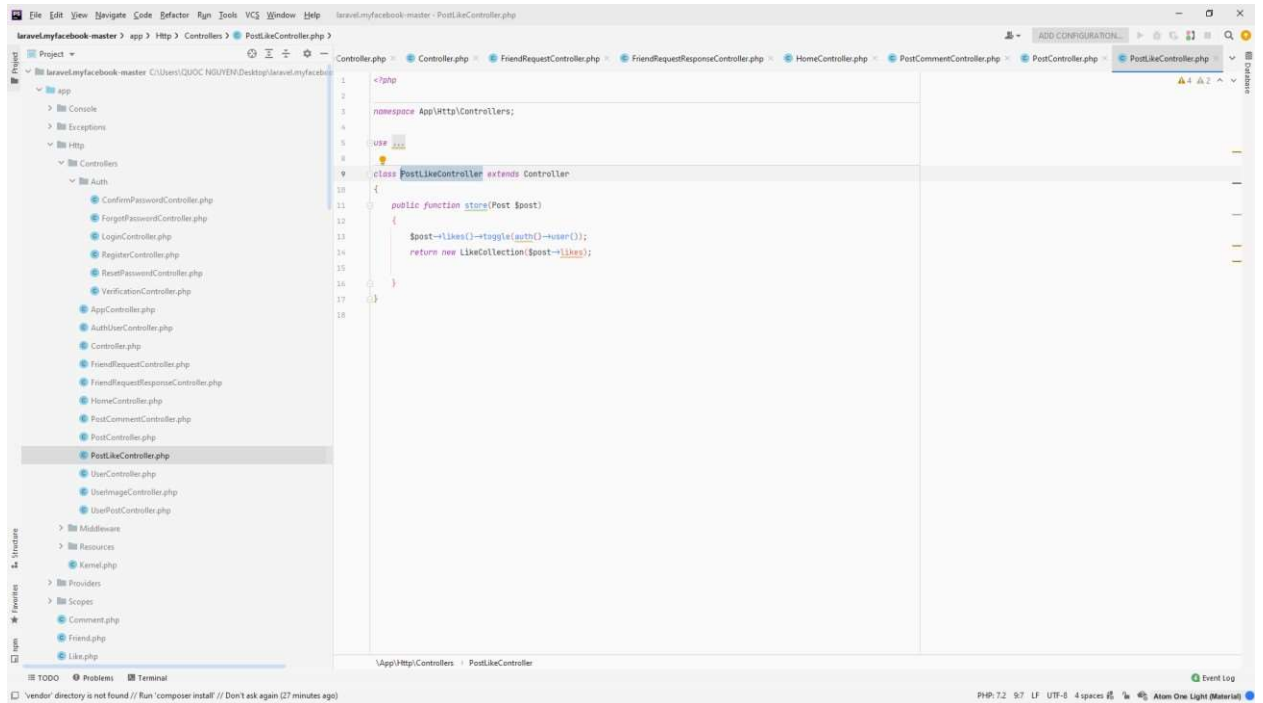
Terminal: 'vendor' directory is not found // Run 'composer install' // Don't ask again (27 minutes ago)

PHP: 7.2 271 LF UTF-8 4 spaces

laravel.myfacebook-master - PostController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7
8
9
10
11 class PostController extends Controller
12 {
13     public function index()
14     {
15         $friends = Friend::friends($ps);
16         if ($friends->isEmpty()) {
17             return new PostCollection(request()->user()->posts);
18         }
19
20         return new PostCollection(
21             Post::whereIn('user_id', $friends->pluck('user_id'))
22                 ->get()
23         );
24     }
25
26     public function store()
27     {
28         $data = request()->validate([
29             'body' => '',
30             'image' => '',
31             'width' => '',
32             'height' => '',
33         ]);
34
35         if (isset($data['image'])) {
36             $image = $data['image']->store('post-images', 'public');
37             $image->move($data['image']->fit($data['width'], $data['height']));
38         }
39     }
40 }
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```



laravel.myfacebook-master - UserImageController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use
6
7
8
9 class UserImageController extends Controller
10 {
11
12     public function store()
13     {
14         $data = request()->validate([
15             'image' => '',
16             'width' => '',
17             'height' => '',
18             'location' => '',
19         ]);
20         $image = $data['image']->store('user-images', 'public');
21         $userImage = auth()-user()-images()-create([
22             'path' => $image,
23             'width' => $data['width'],
24             'height' => $data['height'],
25             'location' => $data['location'],
26         ]);
27         $image->make($data['image'])
28             ->fit($data['width'], $data['height'])
29             ->save(storage_path('app/public/user-images/'.$data['image']-hashName()));
30
31         return new UserImageResource($userImage);
32     }
33 }
```

App\Http\Controllers - UserImageController

PHP: 7.2 9.7 LF UTF-8 4 spaces

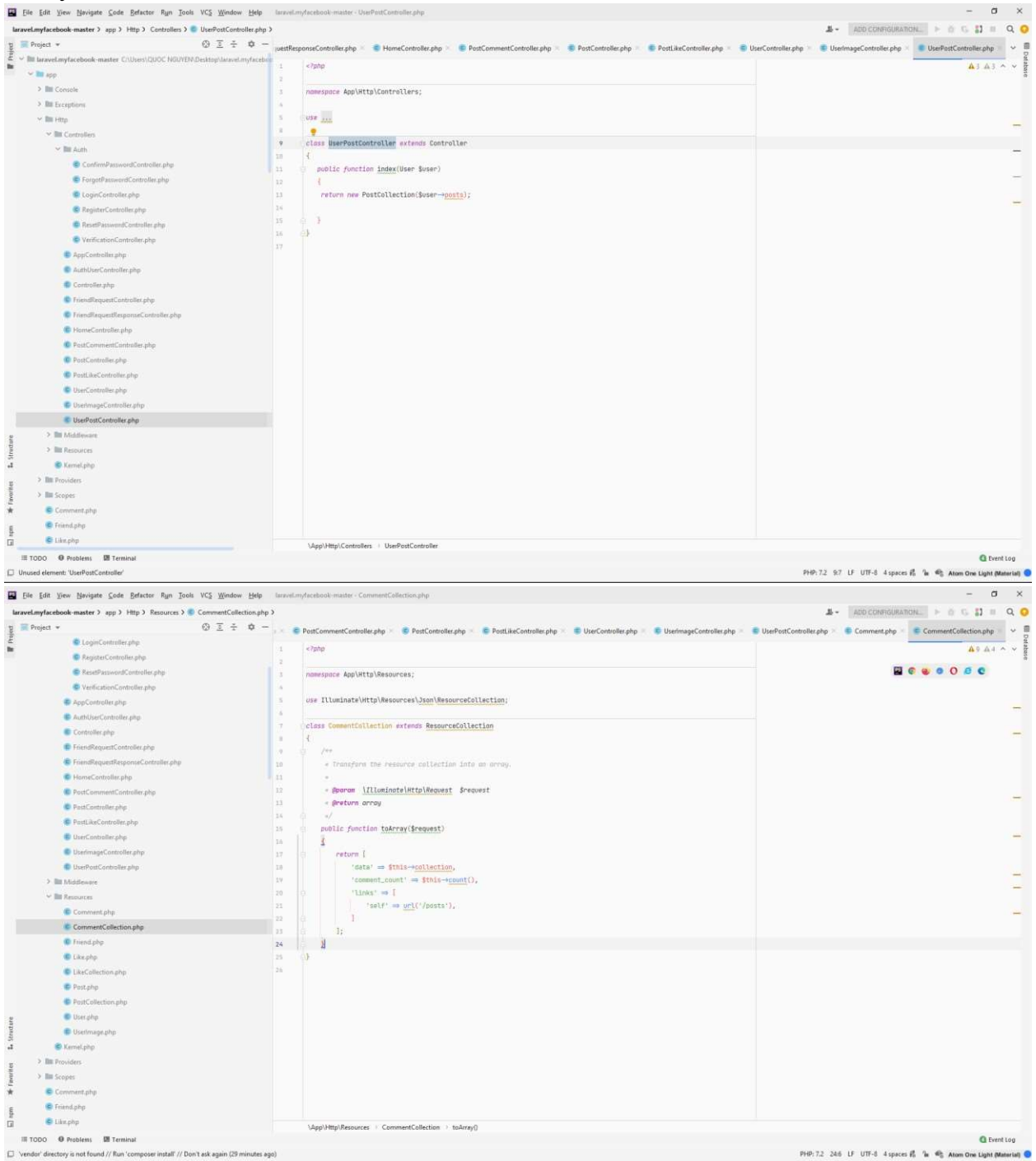
laravel.myfacebook-master - UserPostController.php

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use
6
7
8
9 class UserPostController extends Controller
10 {
11
12     public function index(User $user)
13     {
14         return new PostCollection($user->posts);
15     }
16
17 }
```

App\Http\Controllers - UserPostController

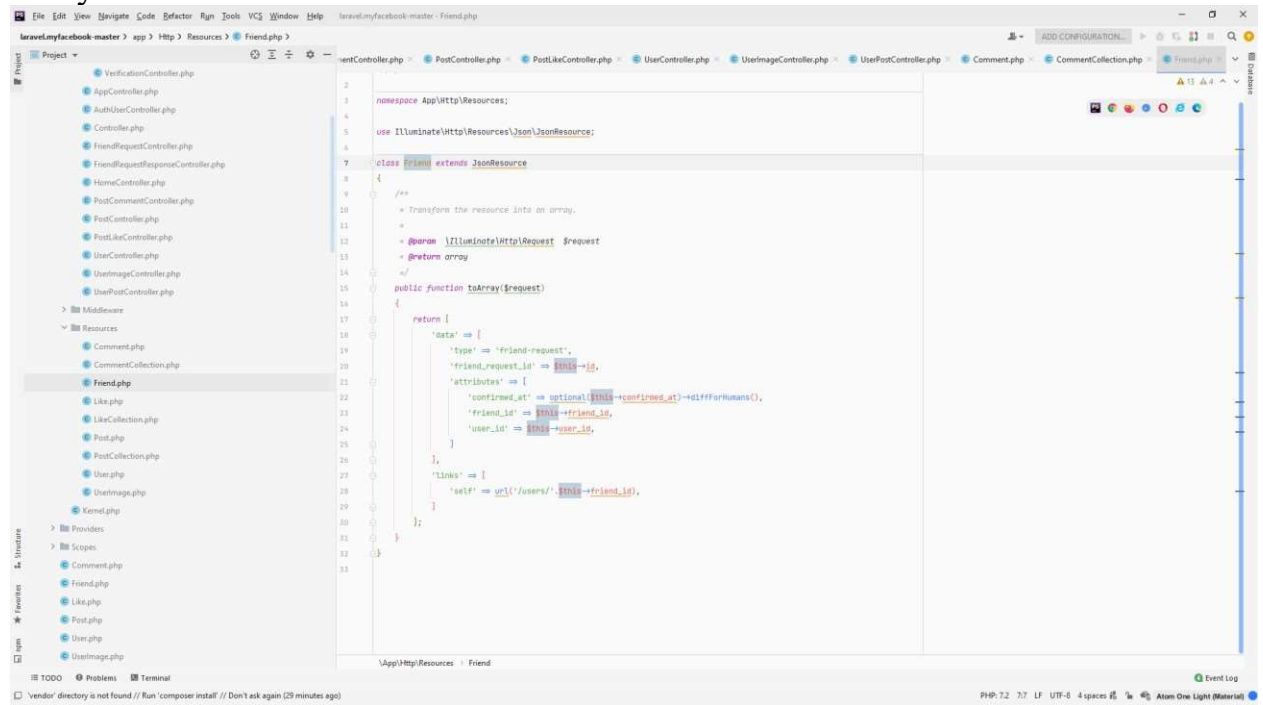
PHP: 7.2 9.7 LF UTF-8 4 spaces

## Xử lý comment:

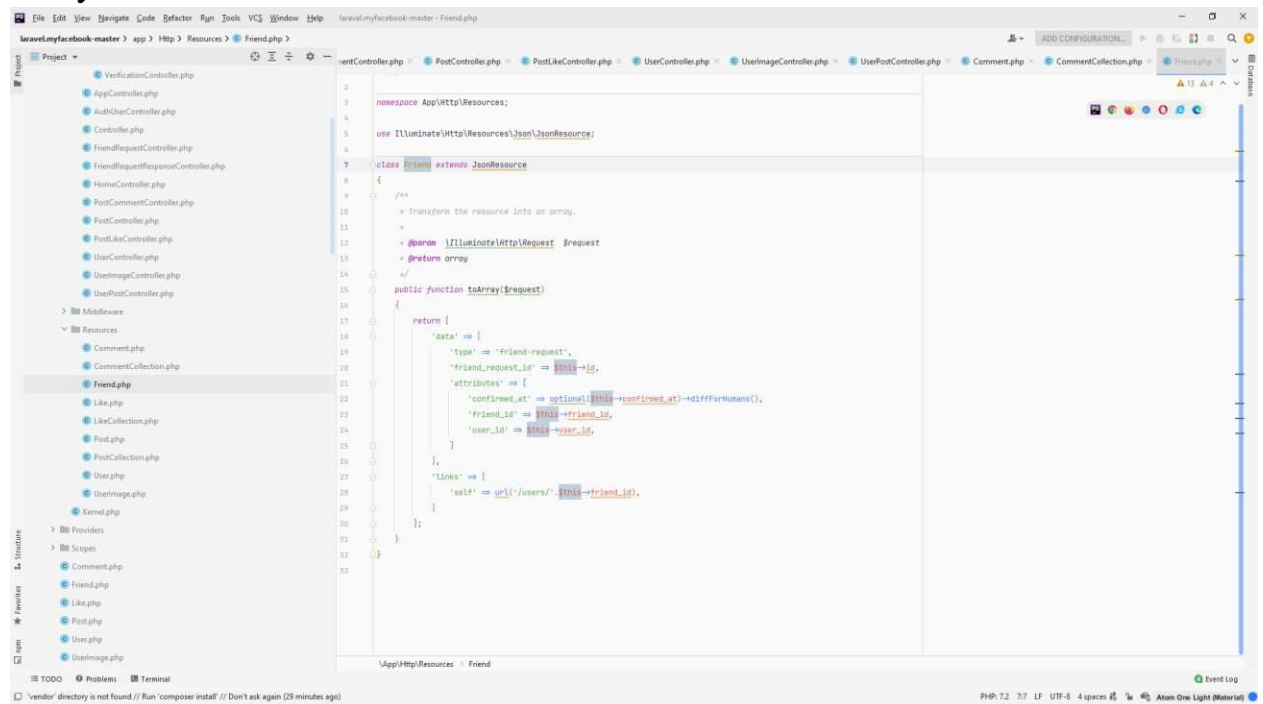


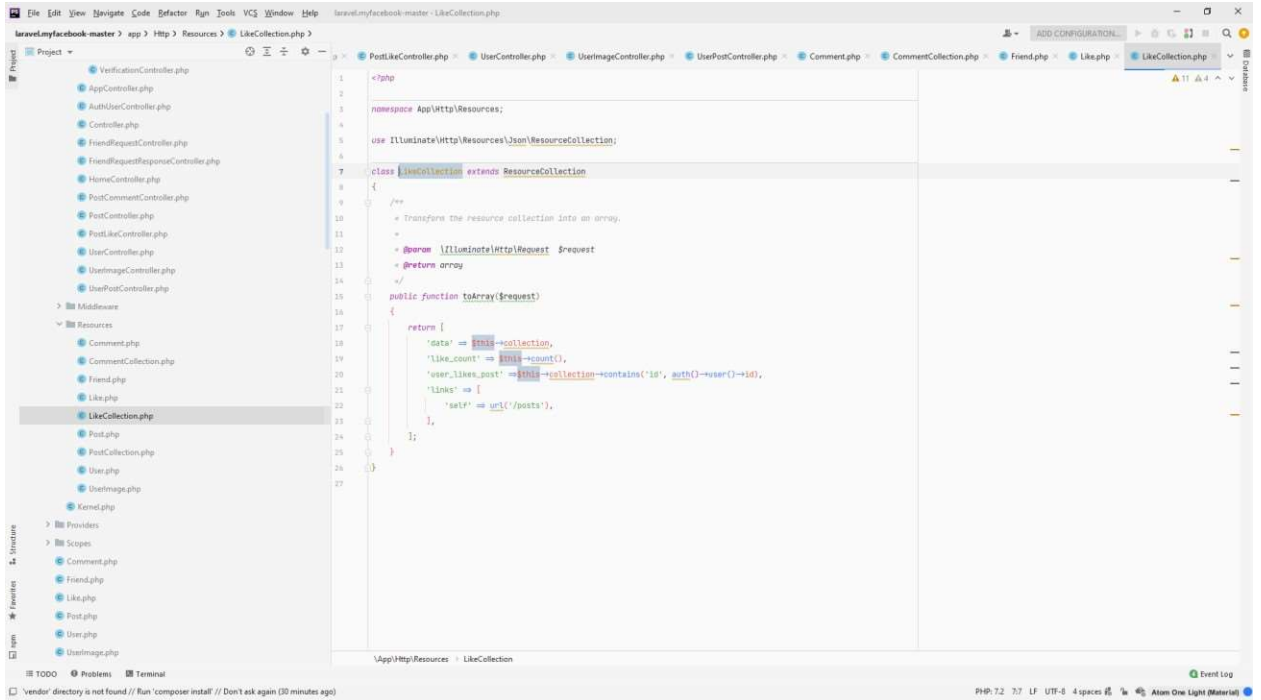


## Xử lý Friend:

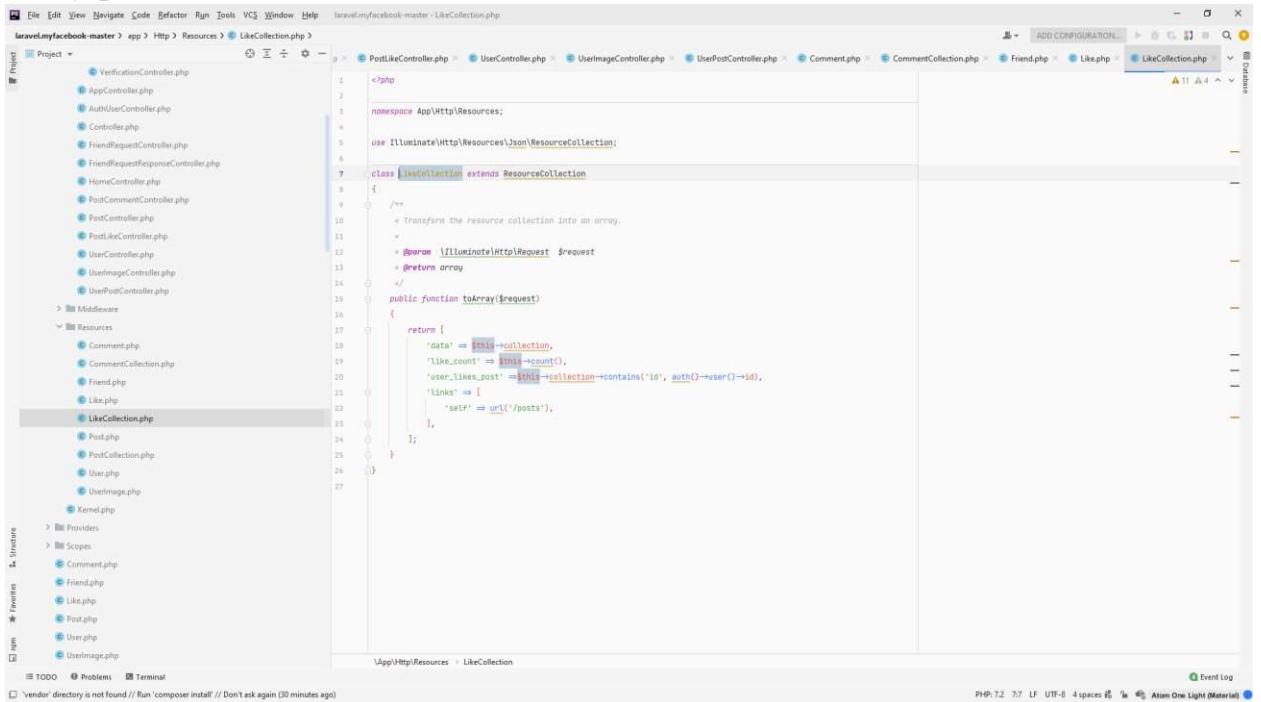


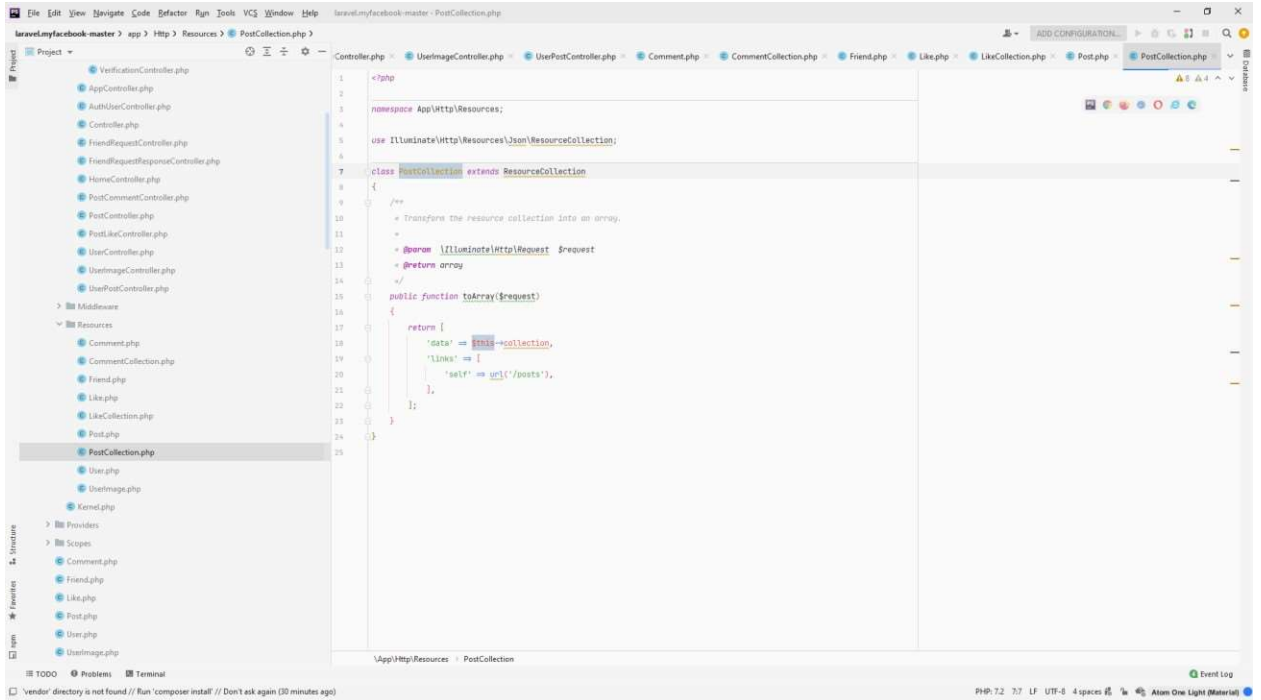
## Xử lý Like and Unlike:



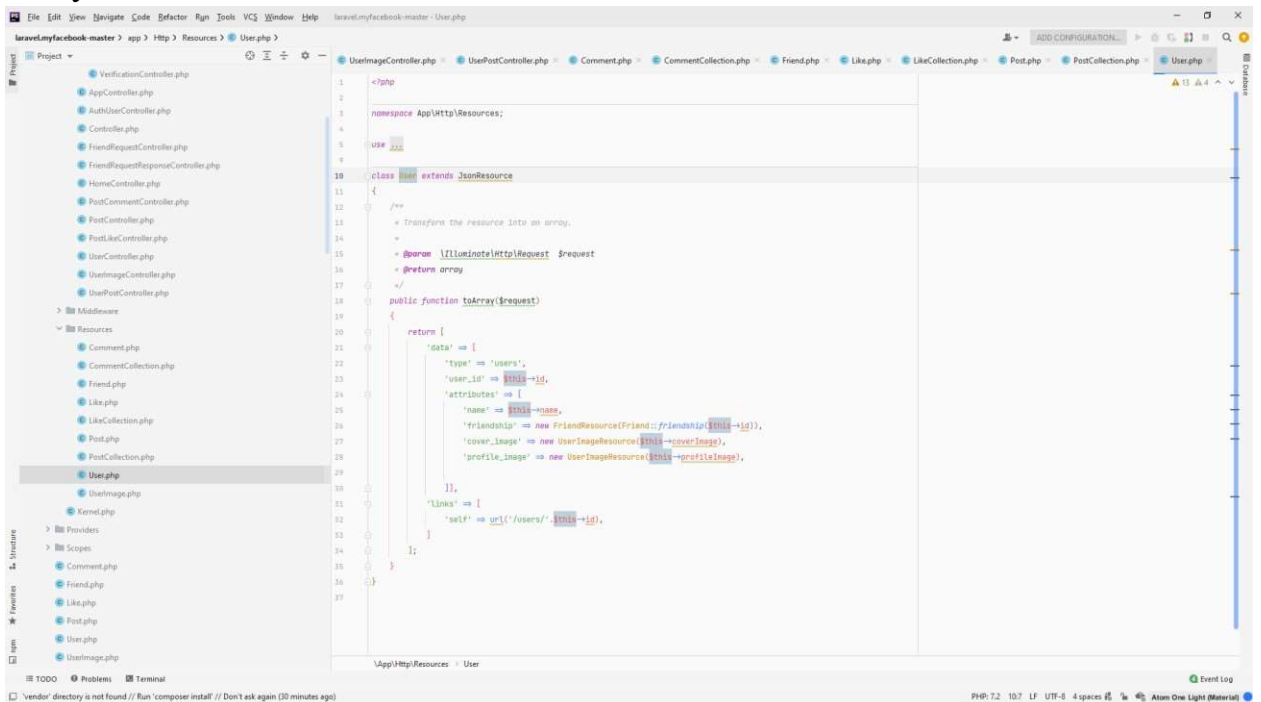


## Xử lý phản Post:

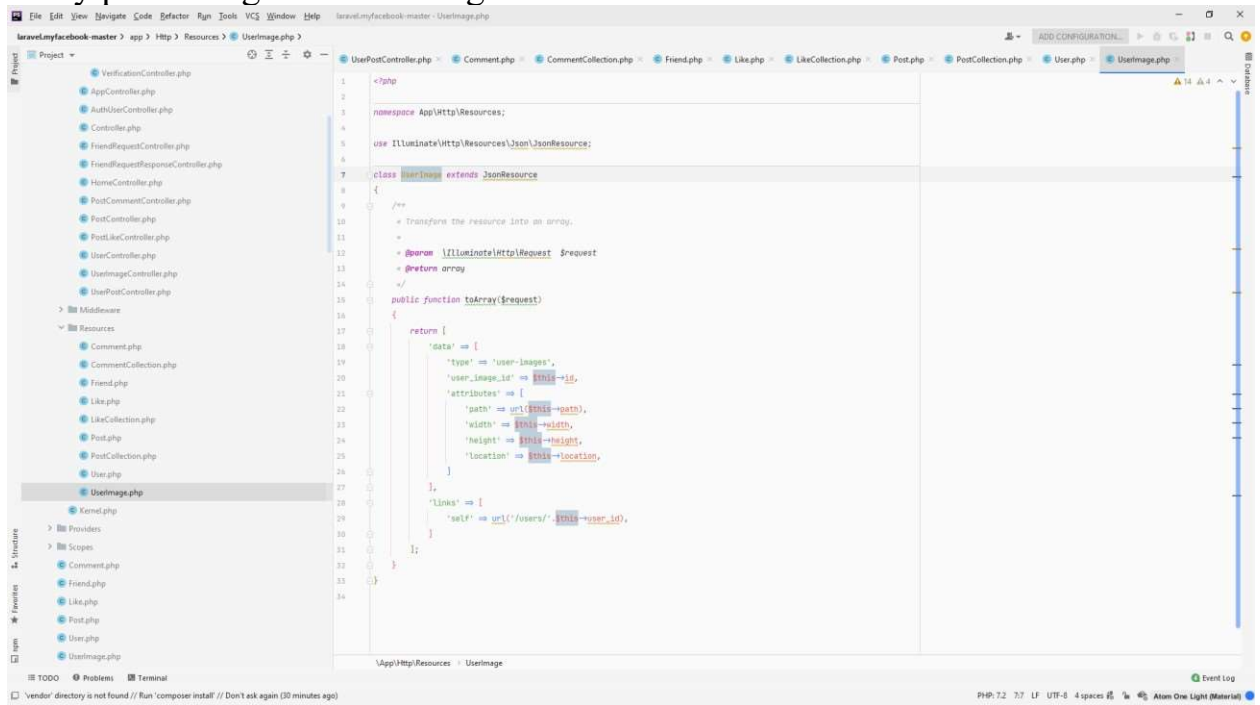




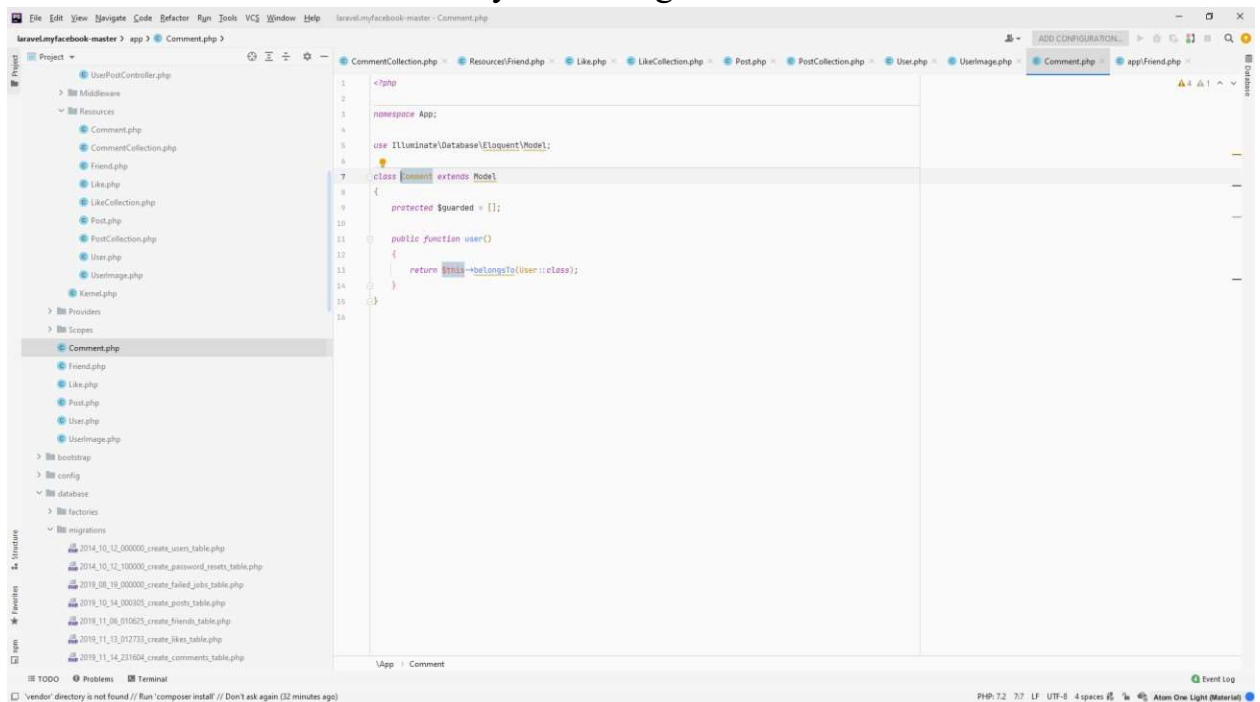
## Xử lý User info:



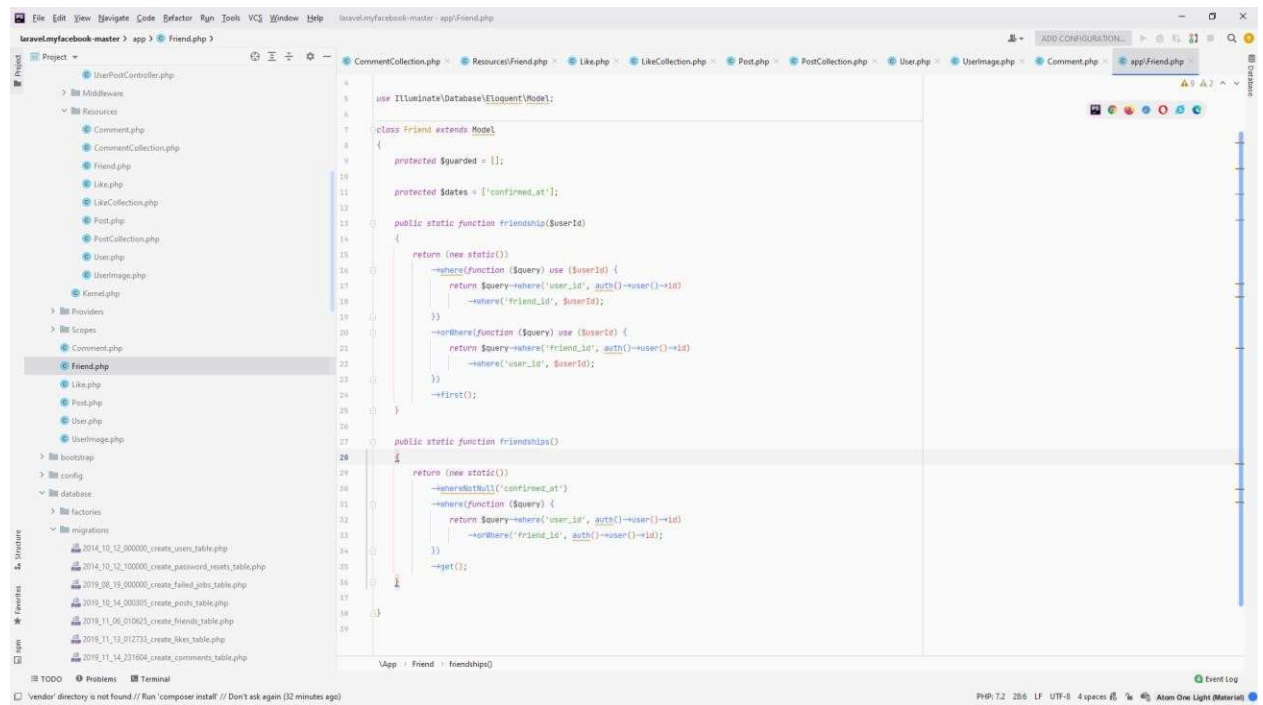
## Xử lý phần Image do User đăng:



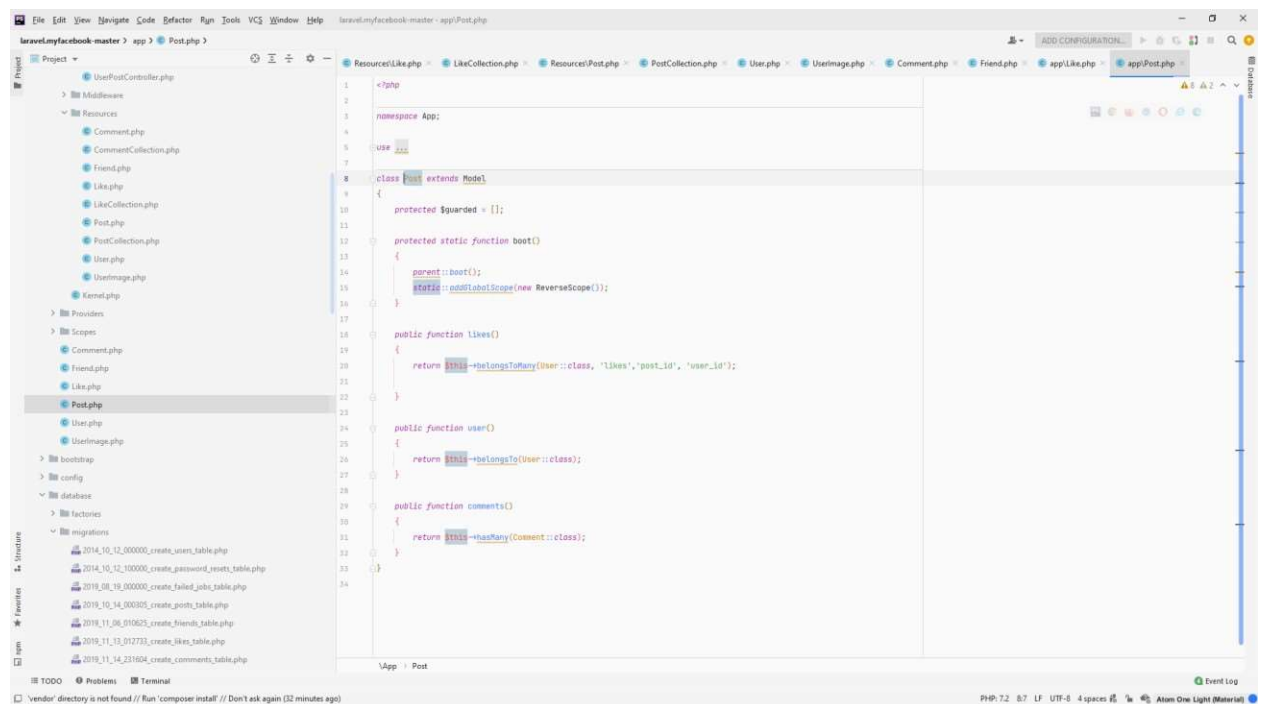
## Phần các Model và các hàm xử lý chức năng:



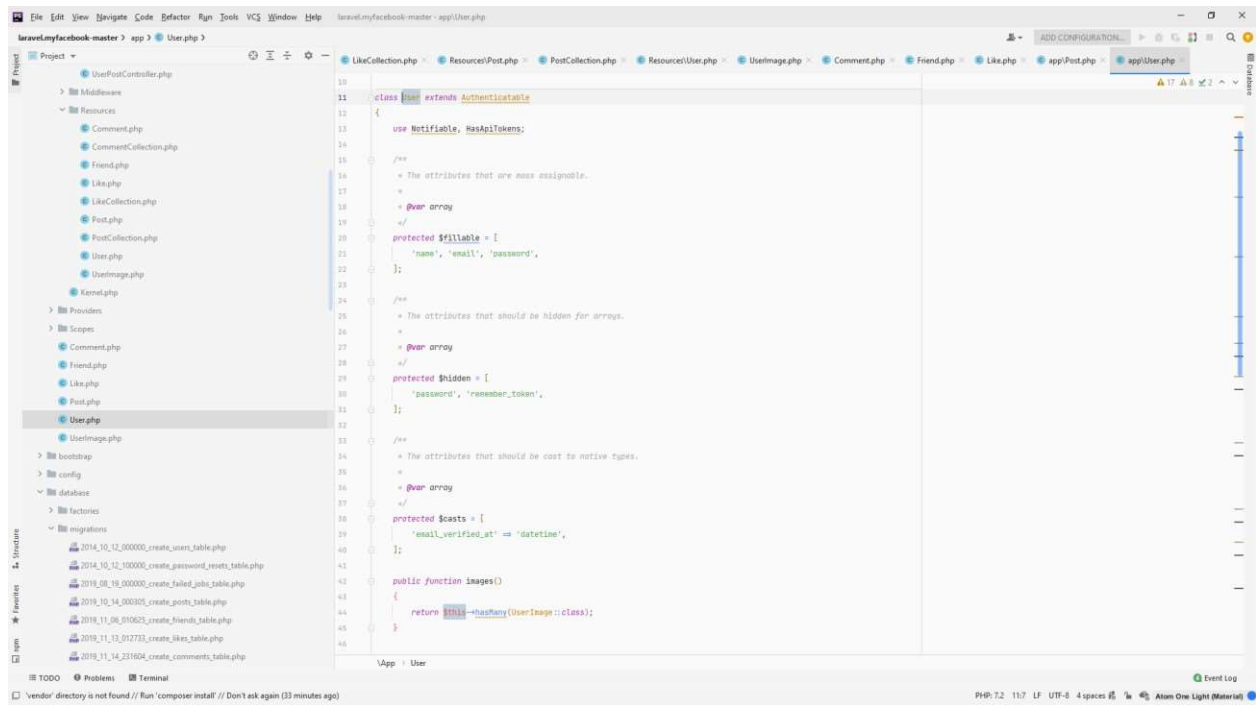
# Comment



# Friend



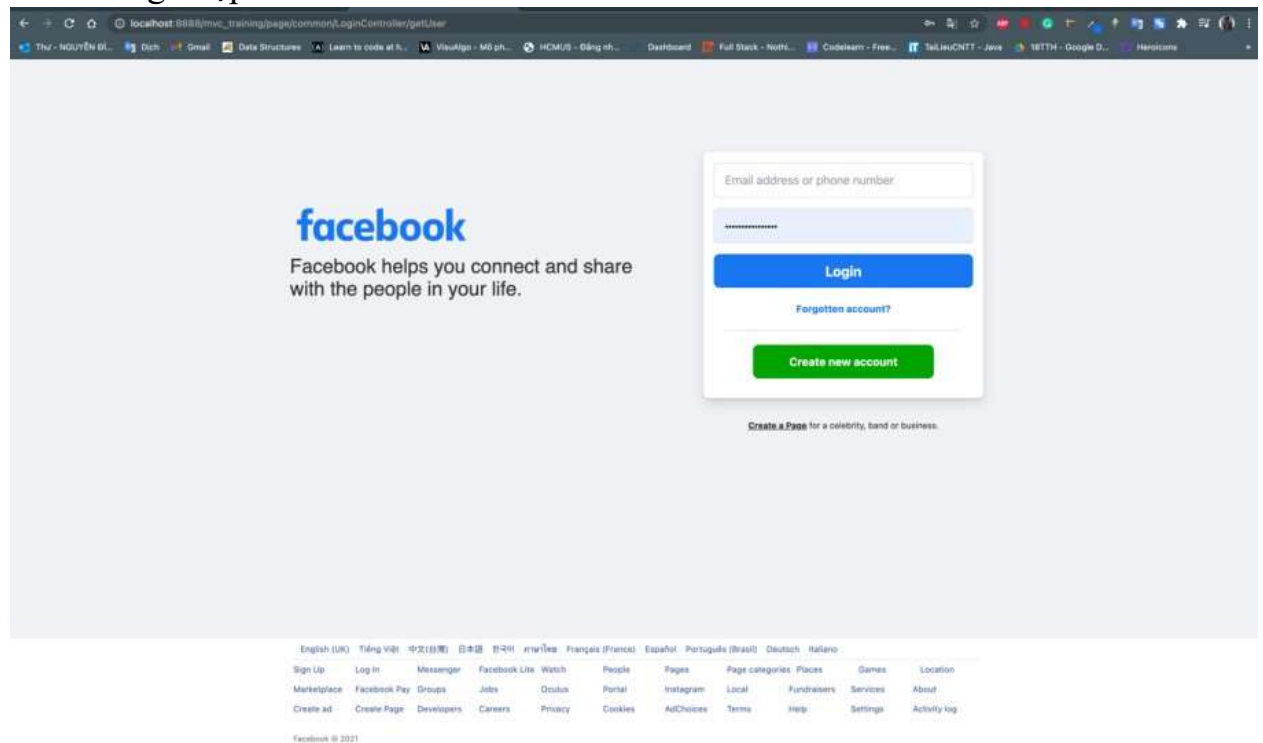
## Post



## User

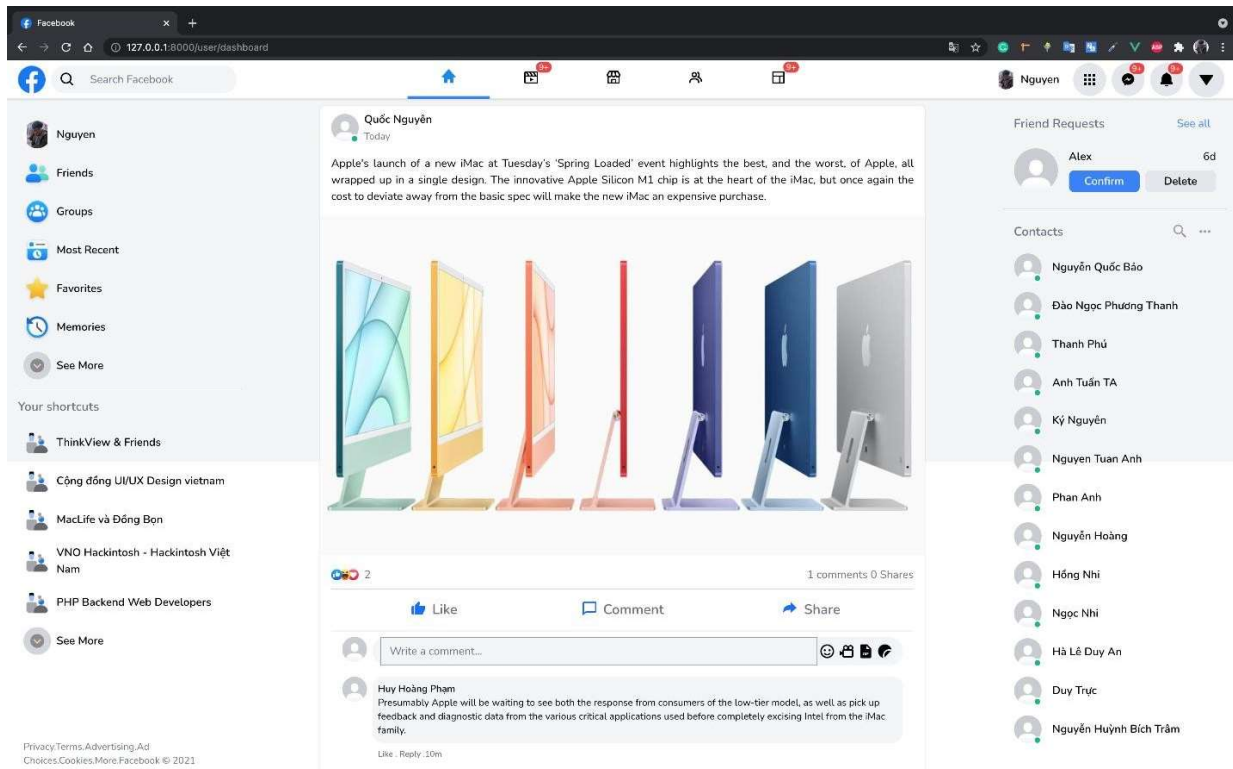
Các kết quả khi chạy code:

## Phần đăng nhập:



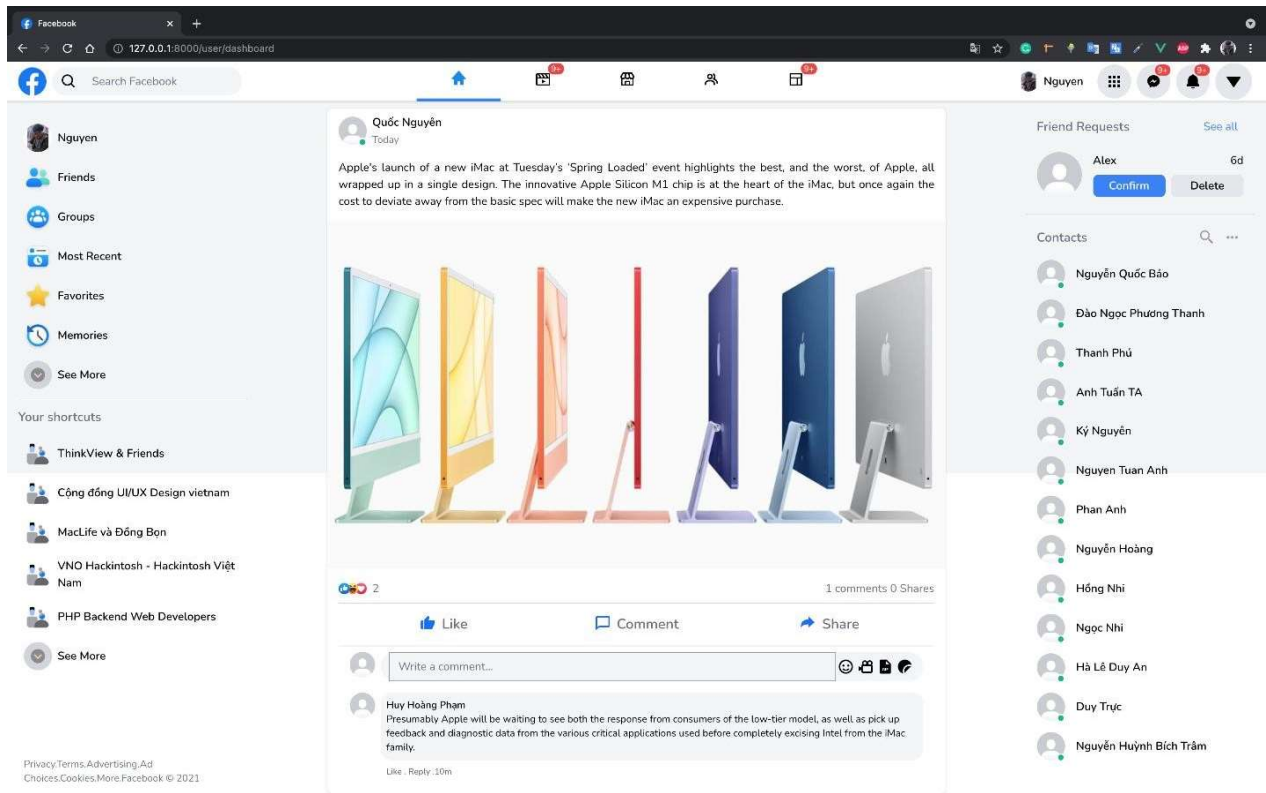


Nếu nhập đúng sẽ redirect đến trang chủ:

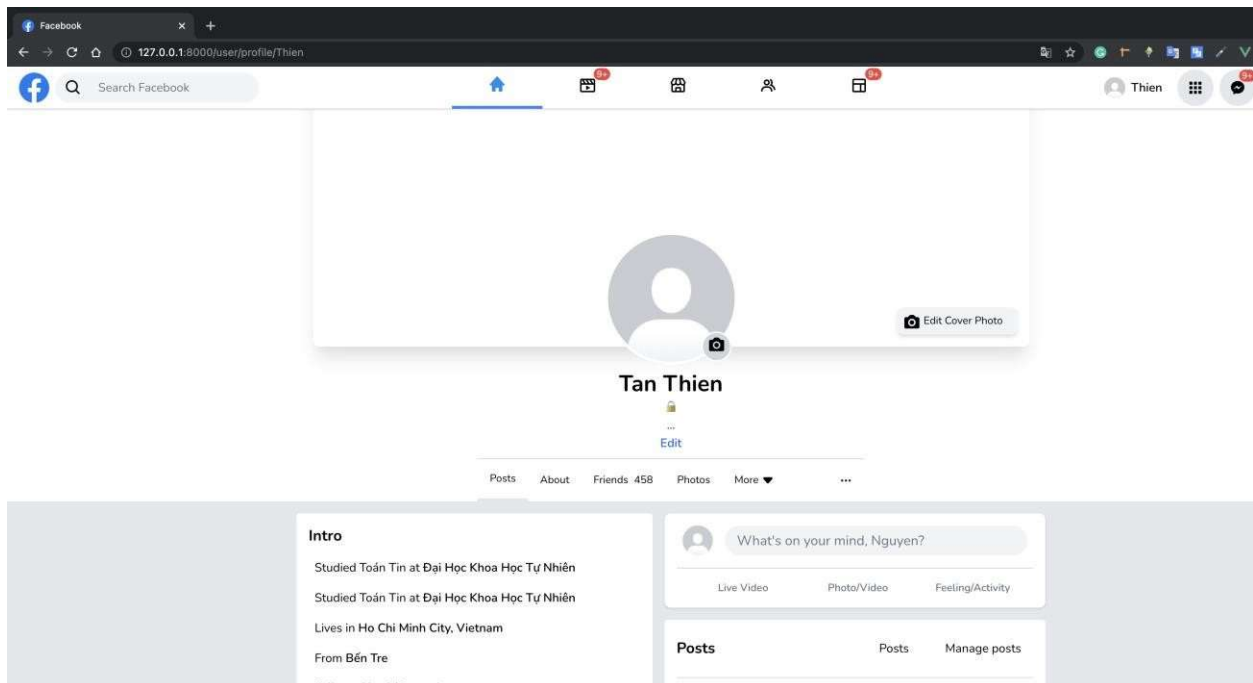




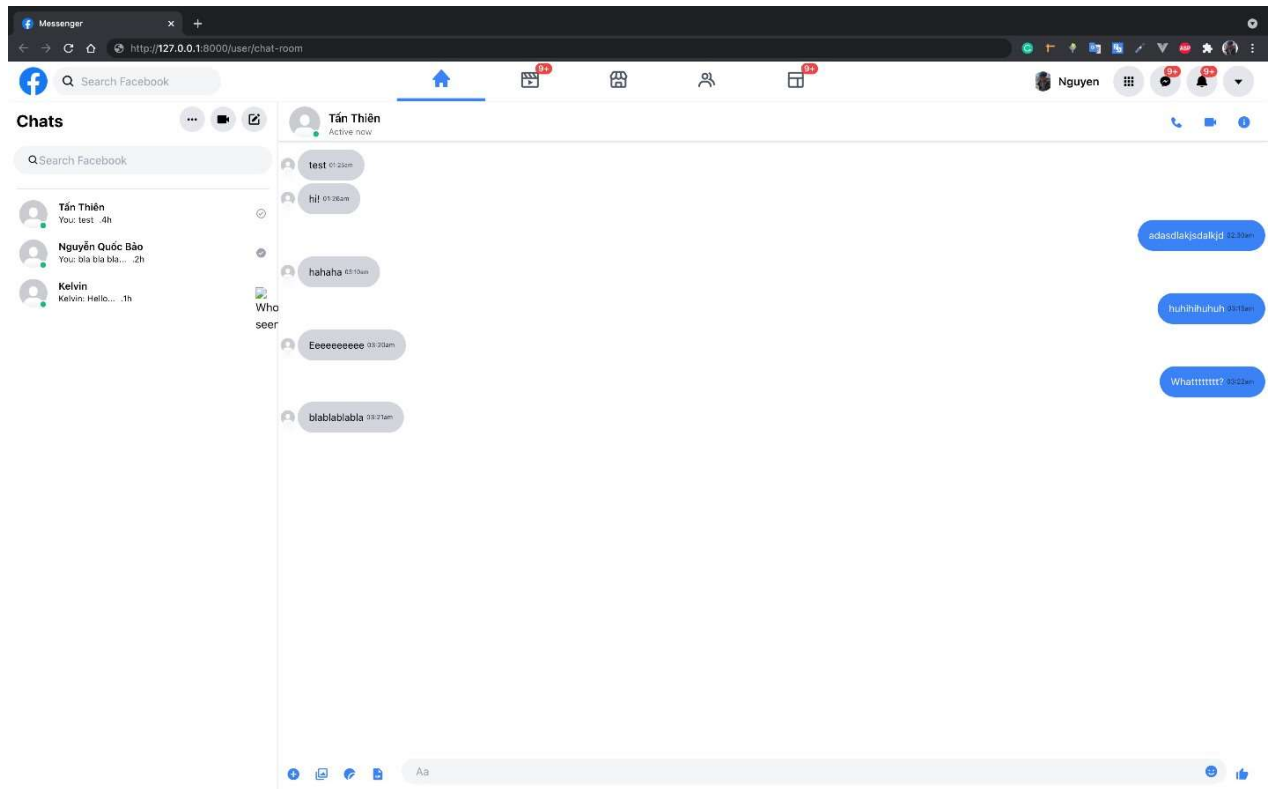
Phần bài đăng có thể đăng ảnh, file và text:



Trang thông tin cá nhân chỉ hiển thị bài post của bản thân:



## Chat realtime :



## Phân hiển thị bạn bè:

