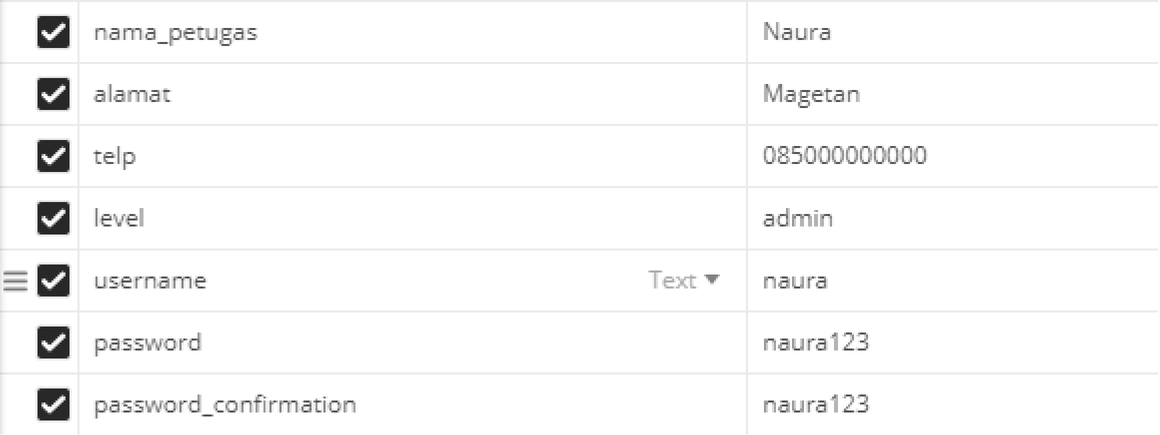
Nama : Niansa Sixty Avilla
No. : 27
Kelas : XI RPL 6

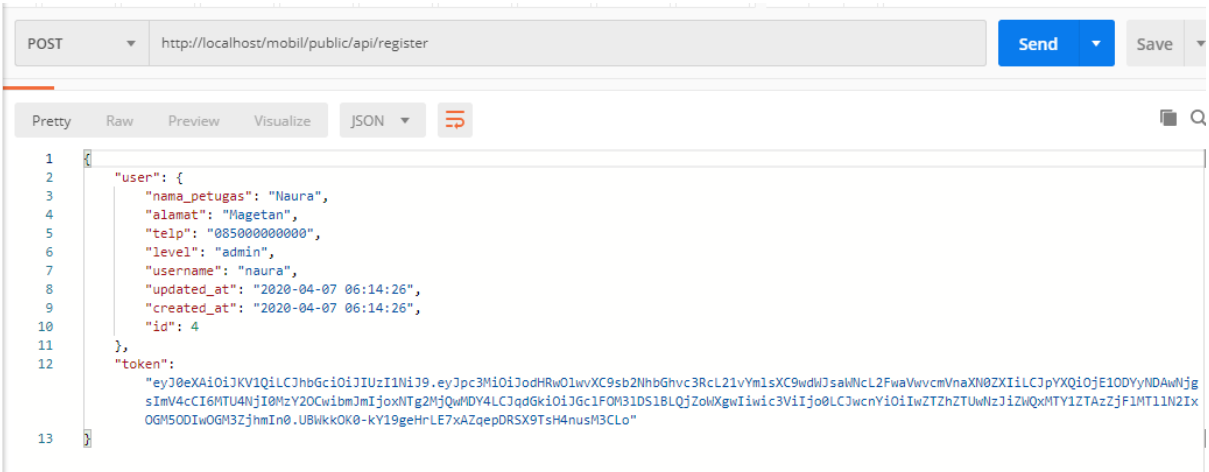
Tugas API Authentication

1. Register dan Login

- Register sebagai admin



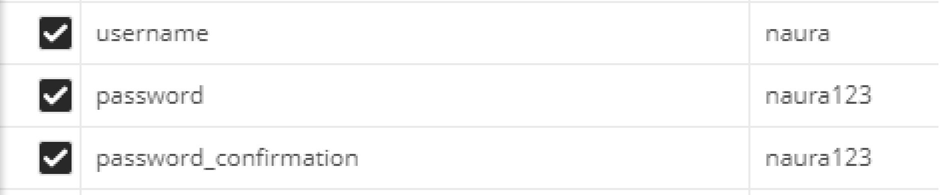
☑	nama_petugas	Naura
☑	alamat	Magetan
☑	telp	085000000000
☑	level	admin
☑	username Text ▾	naura
☑	password	naura123
☑	password_confirmation	naura123



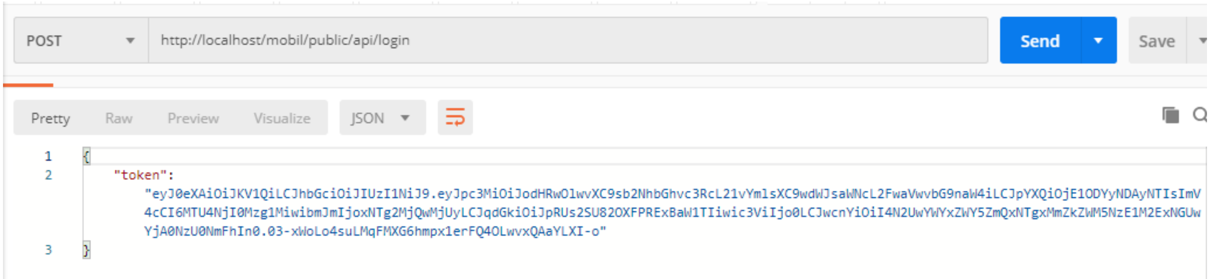
POST http://localhost/mobil/public/api/register

```
{
    "user": {
        "nama_petugas": "Naura",
        "alamat": "Magetan",
        "telp": "085000000000",
        "level": "admin",
        "username": "naura",
        "updated_at": "2020-04-07 06:14:26",
        "created_at": "2020-04-07 06:14:26",
        "id": 4
    },
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL21vYmlsXC9wdWJsaWNcL2FwaVwvcmVnaXN0ZXIiLCJpYXQiOjE1ODYyNDAwNjg
        sImV4cCI6MTU4NjI0MzY2OCwibmJmIjoxNTg2MjQwMDY4LCJqdGkiOiJGclFOM31DS1BLQjZoWXgwIiwic3ViIjo0LCJwcnYiOiIwZTZhZTUwNzJiZWQxMTY1ZTAzZjF1MTl1N2Ix
        OGM5ODIwOGM3ZjhmIn0.UBWkkOK0-kY19geHrLE7xAZqepDRSX9TsH4nusM3CLo"
}
```

- Login sebagai admin



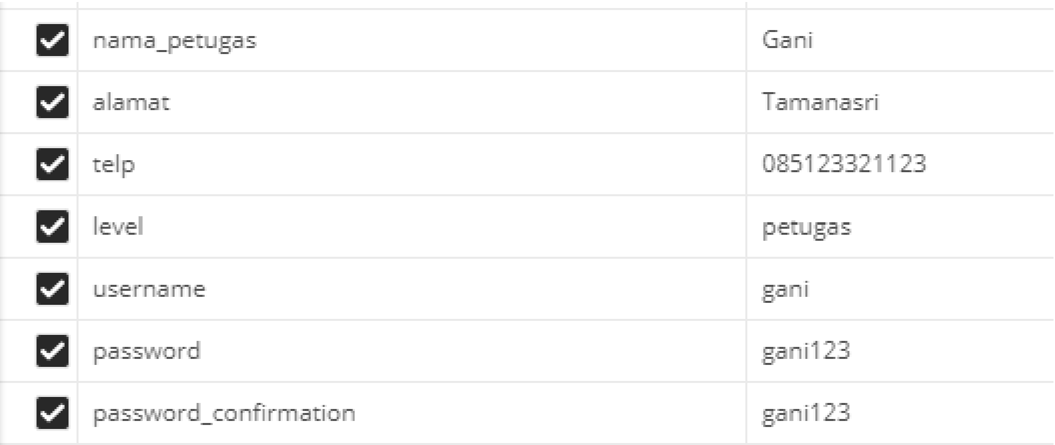
☑	username	naura
☑	password	naura123
☑	password_confirmation	naura123



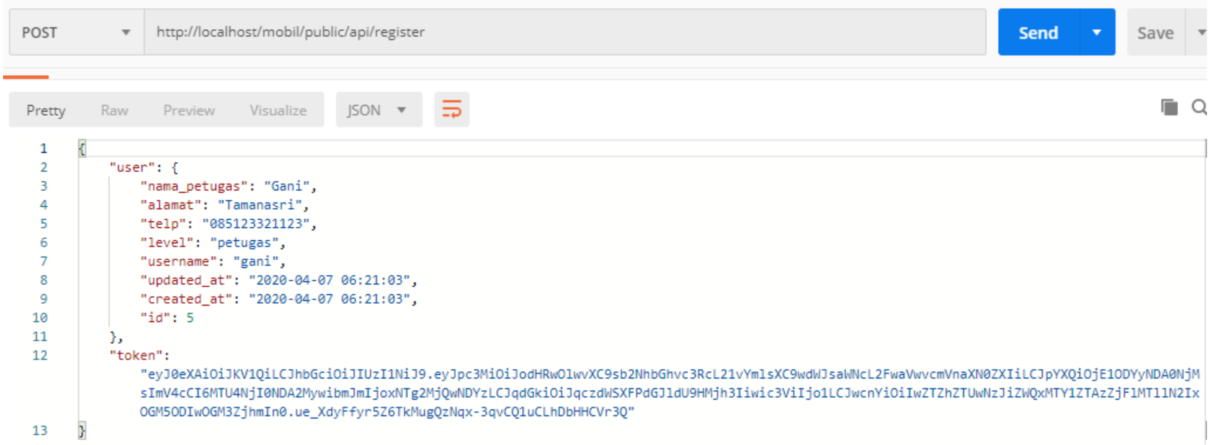
http://localhost/mobil/public/api/login

```
{
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL21vYmlsXC9wdWJsaWNcL2FwaVwvbG9naW4iLCJpYXQiOjE1ODYyNDAyNTIsImV
        4cCI6MTU4NjI0Mzg1MiwibmJmIjoxNTg2MjQwMjUyLCJqdGkiOiJpRUs2SU82OXFPRExBaW1TIiwic3ViIjo0LCJwcnYiOiI4N2UwYWYxZWY5ZmQxNTgxMmZkZWM5NzE1M2ExNGUw
        YjA0NzU0NmFhIn0.03-xWoLo4suLMqFMXG6hmpx1erFQ4OLwvxQAaYLXI-o"
}
```

- Register sebagai petugas



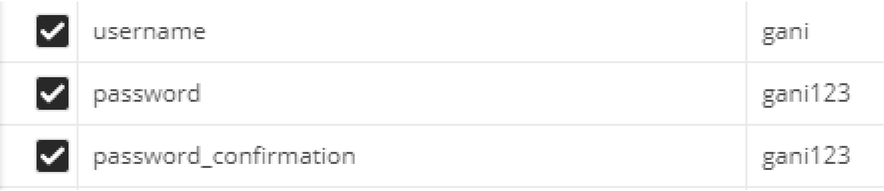
☑	nama_petugas	Gani
☑	alamat	Tamanasri
☑	telp	085123321123
☑	level	petugas
☑	username	gani
☑	password	gani123
☑	password_confirmation	gani123



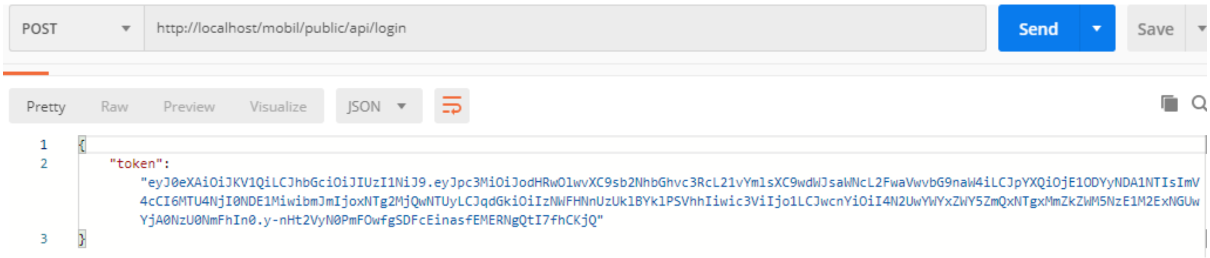
http://localhost/mobil/public/api/register

```
{
    "user": {
        "nama_petugas": "Gani",
        "alamat": "Tamanasri",
        "telp": "085123321123",
        "level": "petugas",
        "username": "gani",
        "updated_at": "2020-04-07 06:21:03",
        "created_at": "2020-04-07 06:21:03",
        "id": 5
    },
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL21vYmlsXC9wdWJsaWNcL2FwaVwvcmVnaXN0ZXIiLCJpYXQiOjE1ODYyNDA0NjM
        sImV4cCI6MTU4NjI0NDA2MywibmJmIjoxNTg2MjQwNDYzLCJqdGkiOiJqczdWSXFPdGJldU9HMjh3Iiwic3ViIjo1LCJwcnYiOiIwZTZhZTUwNzJiZWQxMTY1ZTAzZjFlMTllN2Ix
        OGM5ODIwOGM3ZjhmIn0.ue_XdyFfyr5Z6TkMugQzNqx-3qvCQ1uCLhDbHHCVr3Q"
}
```

- Login sebagai petugas



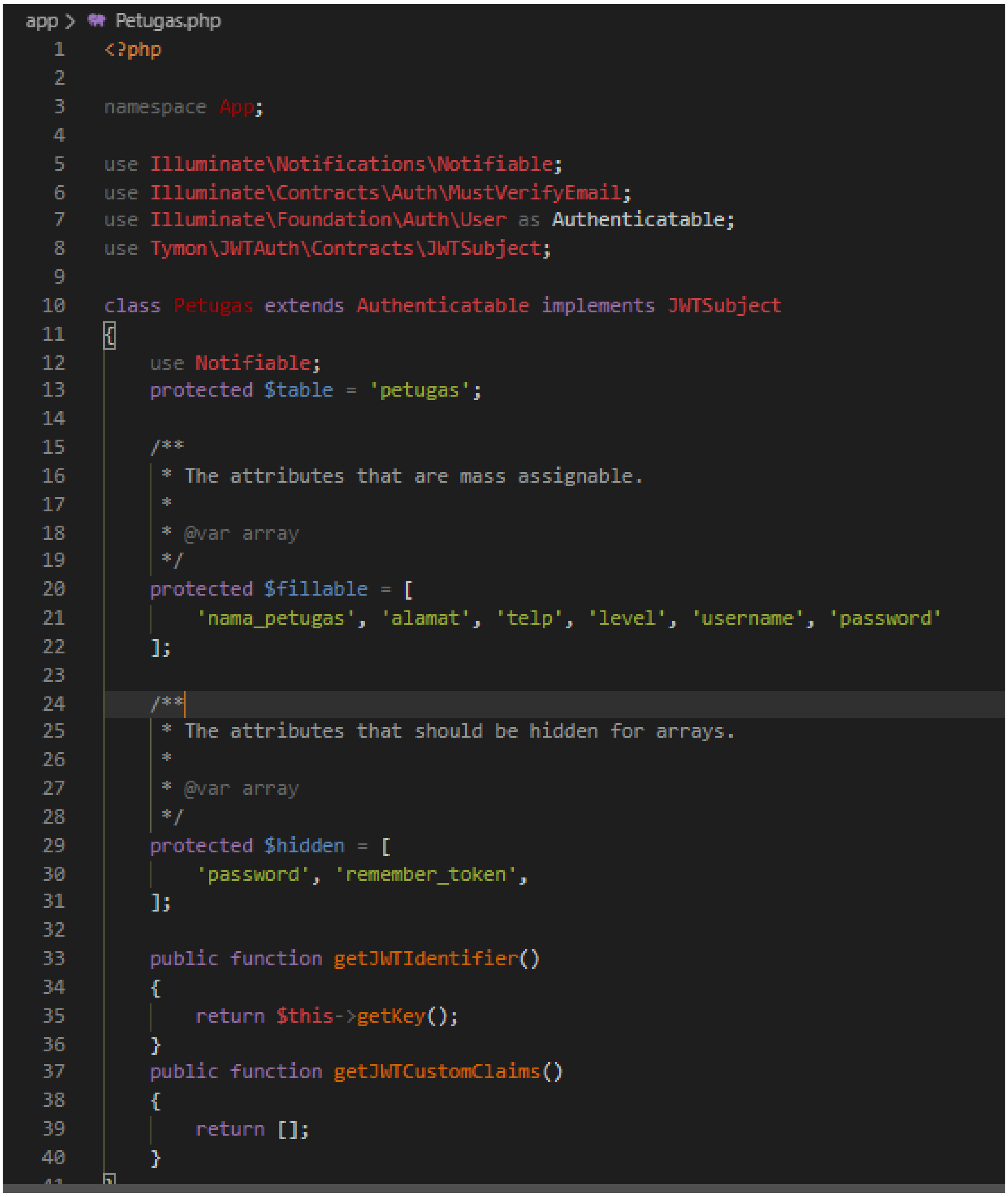
☑	username	gani
☑	password	gani123
☑	password_confirmation	gani123



http://localhost/mobil/public/api/login

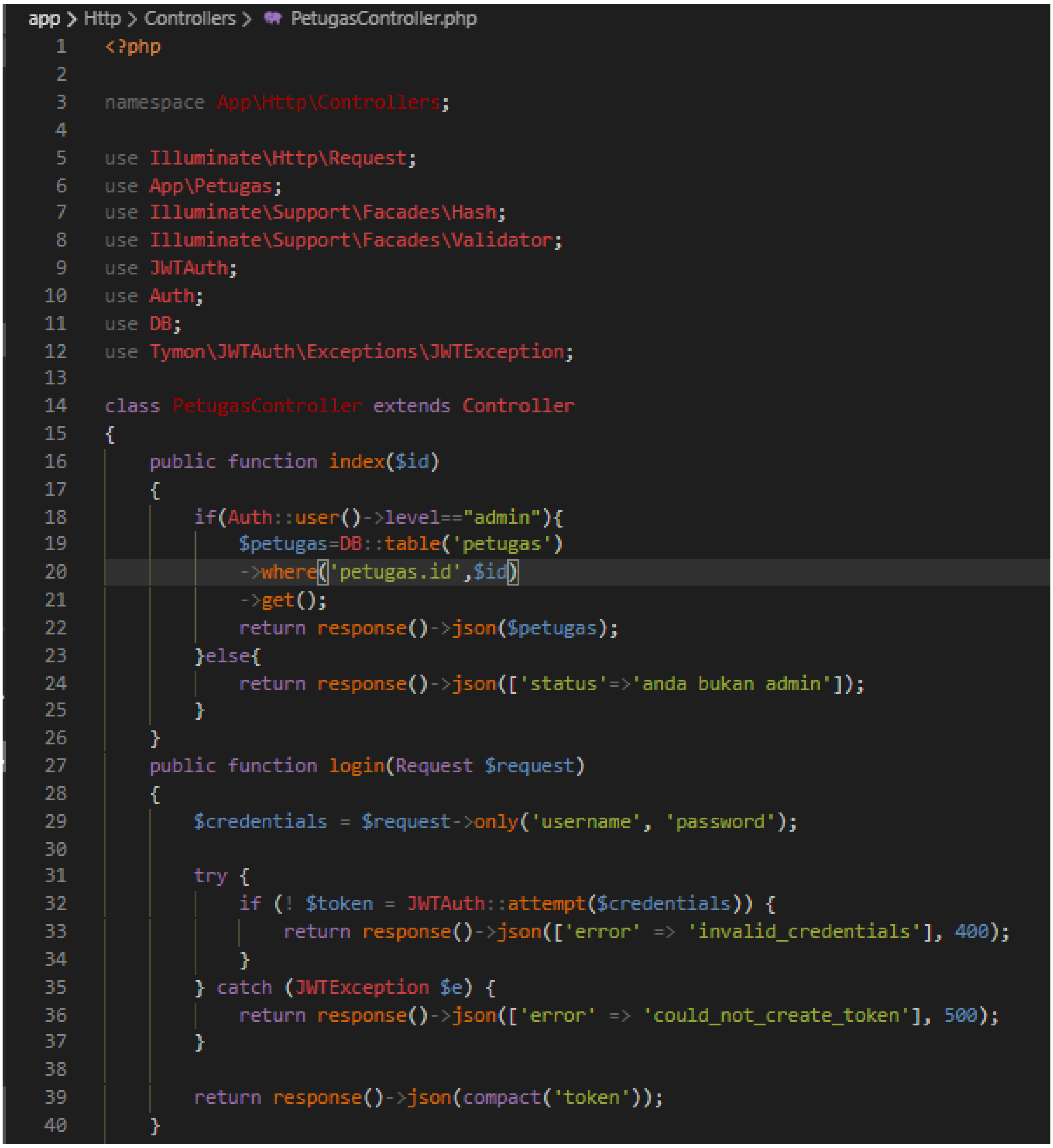
```
{
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL21vYmlsXC9wdWJsaWNcL2FwaVwvbG9naW4iLCJpYXQiOjE1ODYyNDA1NTIsImV4cCI6MTU4NjI0NDE1MiwibmJmIjoxNTg2MjQwNTUyLCJqdGkiOiIzNWFHNnUzUklBYklPSVhhIiwic3ViIjo1LCJwcnYiOiI4N2UwYWYxZWY5ZmQxNTgxMmZkZWM5NzE1M2ExNGUwYjA0NzU0NmFhIn0.y-nHt2VyN0PmFOwfgSDFcEinasfEMERNgQtI7fhCKjQ"
}
```

2. Model

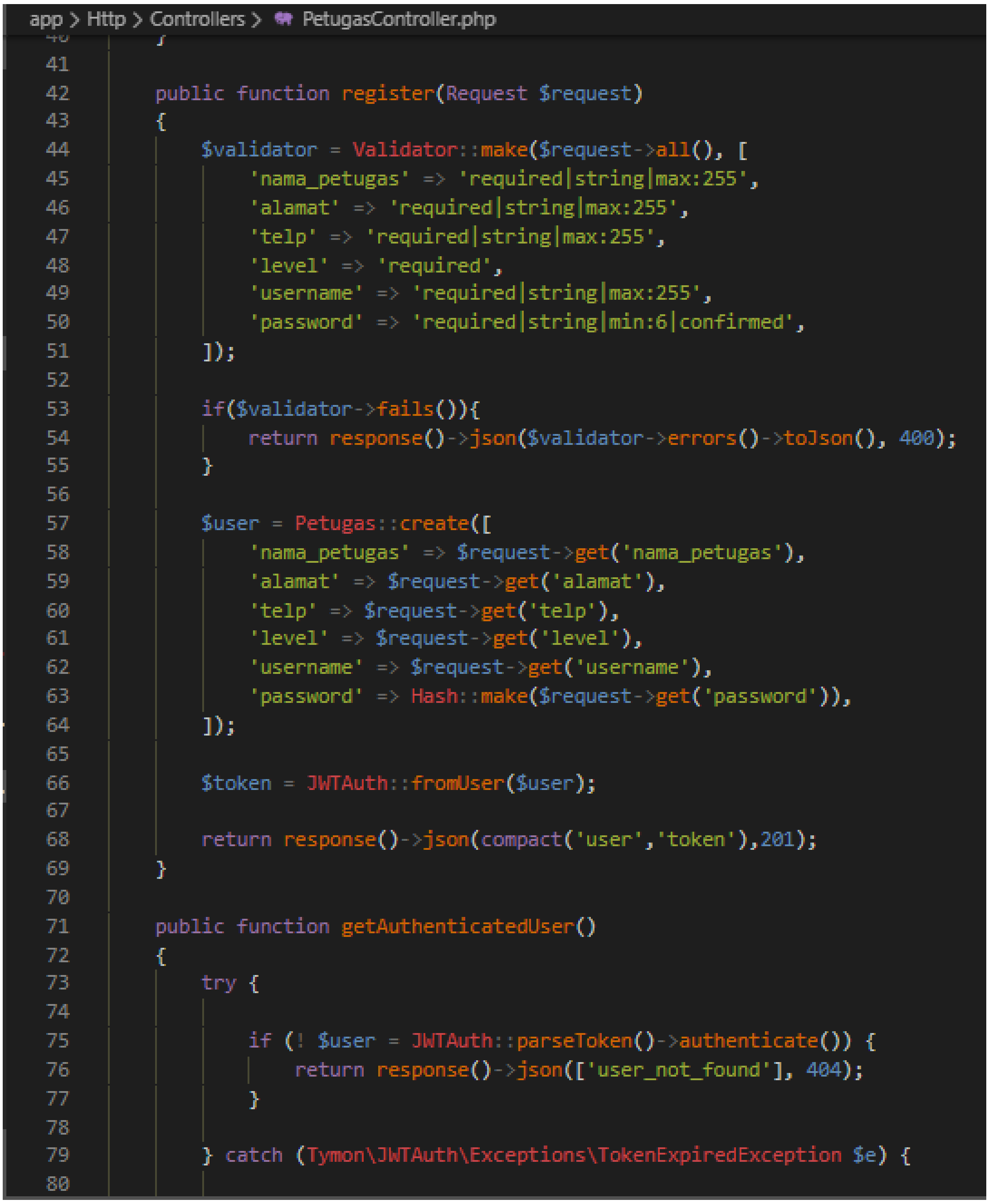


```php
<?php

namespace App;

use Illuminate\Notifications\Notifiable;
use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Tymon\JWTAuth\Contracts\JWTSubject;

class Petugas extends Authenticatable implements JWTSubject
{
    use Notifiable;
    protected $table = 'petugas';

    /**
     * The attributes that are mass assignable.
     *
     * @var array
     */
    protected $fillable = [
        'nama_petugas', 'alamat', 'telp', 'level', 'username', 'password'
    ];

    /**
     * The attributes that should be hidden for arrays.
     *
     * @var array
     */
    protected $hidden = [
        'password', 'remember_token',
    ];

    public function getJWTIdentifier()
    {
        return $this->getKey();
    }
    public function getJWTCustomClaims()
    {
        return [];
    }
}
```

3. Controller

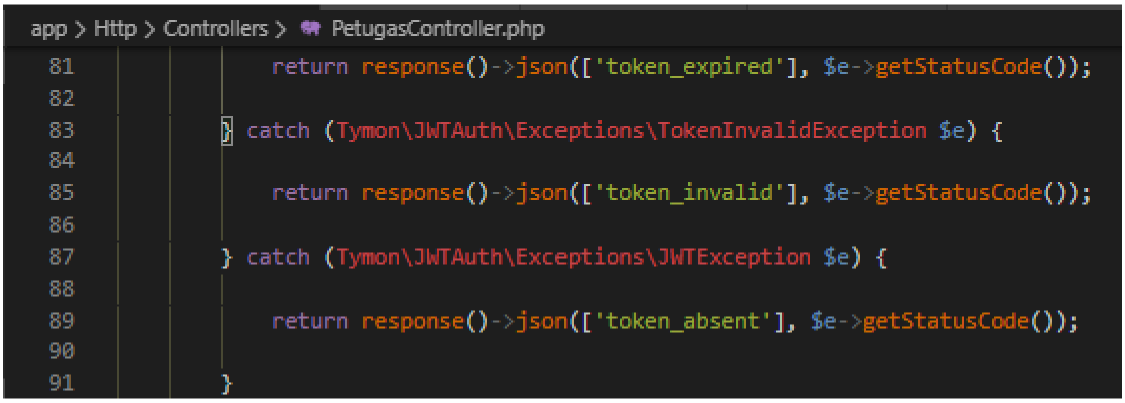


```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Petugas;
use Illuminate\Support\Facades\Hash;
use Illuminate\Support\Facades\Validator;
use JWTAuth;
use Auth;
use DB;
use Tymon\JWTAuth\Exceptions\JWTException;

class PetugasController extends Controller
{
    public function index($id)
    {
        if(Auth::user()->level=="admin"){
            $petugas=DB::table('petugas')
            ->where('petugas.id',$id)
            ->get();
            return response()->json($petugas);
        }else{
            return response()->json(['status'=>'anda bukan admin']);
        }
    }
    public function login(Request $request)
    {
        $credentials = $request->only('username', 'password');

        try {
            if (! $token = JWTAuth::attempt($credentials)) {
                return response()->json(['error' => 'invalid_credentials'], 400);
            }
        } catch (JWTException $e) {
            return response()->json(['error' => 'could_not_create_token'], 500);
        }

        return response()->json(compact('token'));
    }
```



app > Http > Controllers > PetugasController.php

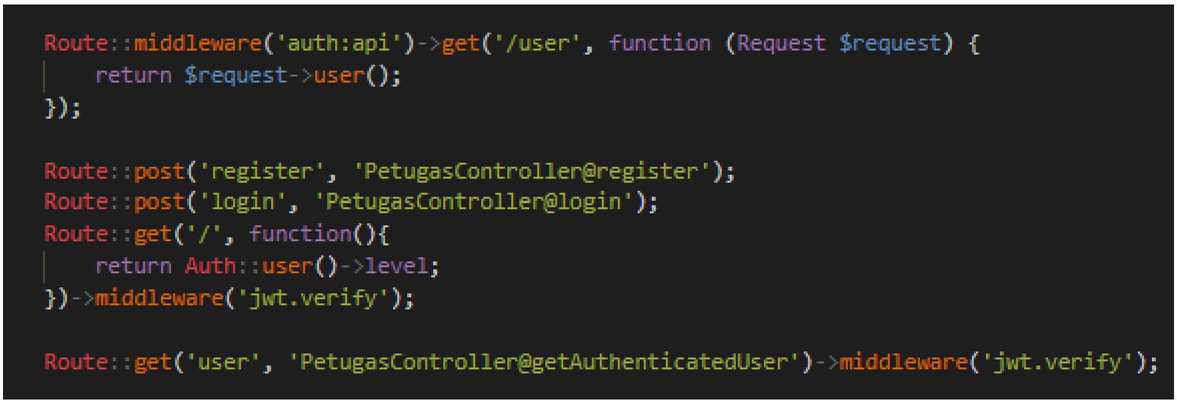
```php
    }

    public function register(Request $request)
    {
        $validator = Validator::make($request->all(), [
            'nama_petugas' => 'required|string|max:255',
            'alamat' => 'required|string|max:255',
            'telp' => 'required|string|max:255',
            'level' => 'required',
            'username' => 'required|string|max:255',
            'password' => 'required|string|min:6|confirmed',
        ]);

        if($validator->fails()){
            return response()->json($validator->errors()->toJson(), 400);
        }

        $user = Petugas::create([
            'nama_petugas' => $request->get('nama_petugas'),
            'alamat' => $request->get('alamat'),
            'telp' => $request->get('telp'),
            'level' => $request->get('level'),
            'username' => $request->get('username'),
            'password' => Hash::make($request->get('password')),
        ]);

        $token = JWTAuth::fromUser($user);

        return response()->json(compact('user','token'),201);
    }

    public function getAuthenticatedUser()
    {
        try {

            if (! $user = JWTAuth::parseToken()->authenticate()) {
                return response()->json(['user_not_found'], 404);
            }

        } catch (Tymon\JWTAuth\Exceptions\TokenExpiredException $e) {

```



app > Http > Controllers > PetugasController.php

```php
            return response()->json(['token_expired'], $e->getStatusCode());

        } catch (Tymon\JWTAuth\Exceptions\TokenInvalidException $e) {

            return response()->json(['token_invalid'], $e->getStatusCode());

        } catch (Tymon\JWTAuth\Exceptions\JWTException $e) {

            return response()->json(['token_absent'], $e->getStatusCode());

        }
```

4. api.php



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

Route::post('register', 'PetugasController@register');
Route::post('login', 'PetugasController@login');
Route::get('/', function(){
    return Auth::user()->level;
})->middleware('jwt.verify');

Route::get('user', 'PetugasController@getAuthenticatedUser')->middleware('jwt.verify');
```