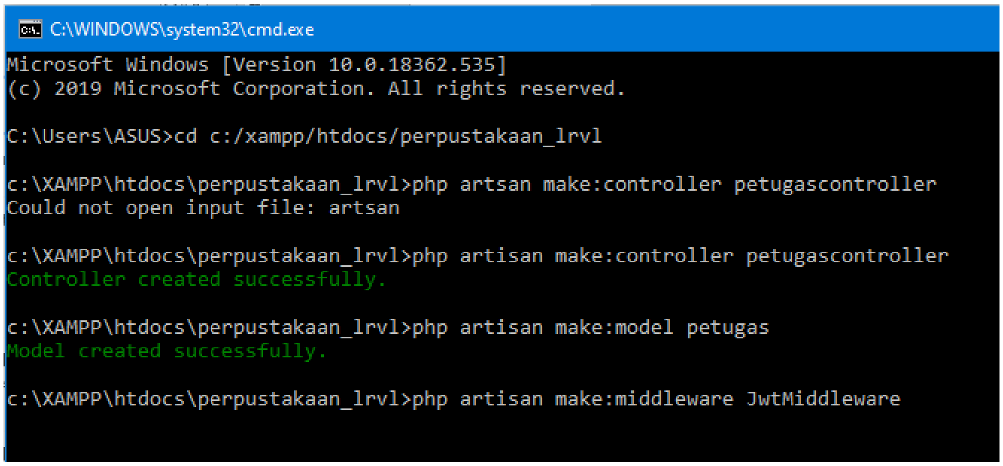
Putri Puspita Sari

29 / XI Laravel

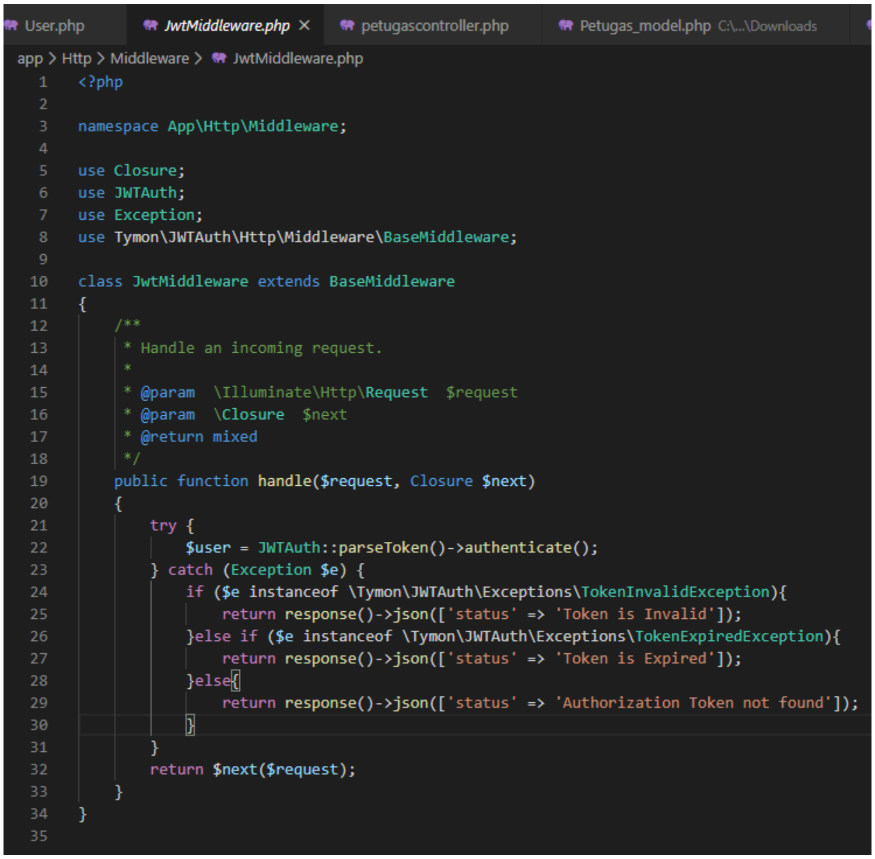
Tugas 4 JWT Laravel

1. Make Controller, Model, Middleware



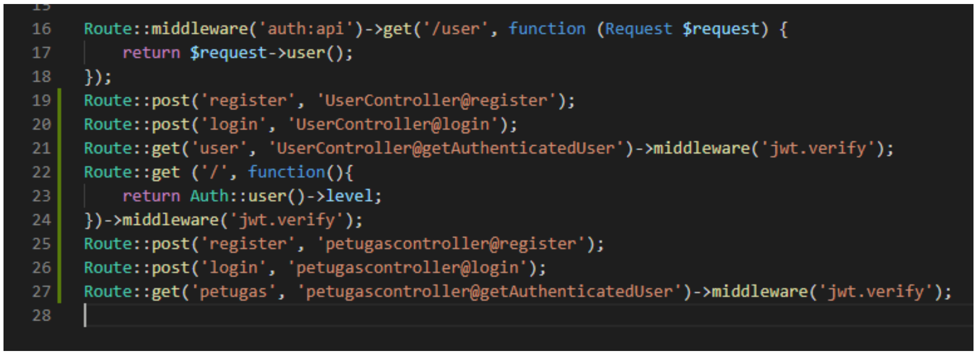
```
Microsoft Windows [Version 10.0.18362.535]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ASUS>cd c:/xampp/htdocs/perpustakaan_lrvl

c:\XAMPP\htdocs\perpustakaan_lrvl>php artsan make:controller petugascontroller
Could not open input file: artsan

c:\XAMPP\htdocs\perpustakaan_lrvl>php artisan make:controller petugascontroller
Controller created successfully.

c:\XAMPP\htdocs\perpustakaan_lrvl>php artisan make:model petugas
Model created successfully.

c:\XAMPP\htdocs\perpustakaan_lrvl>php artisan make:middleware JwtMiddleware
```

2. Middleware


User.php
JwtMiddleware.php
petugascontroller.php
Petugas_model.php C:\...\Downloads
app > Http > Middleware > JwtMiddleware.php

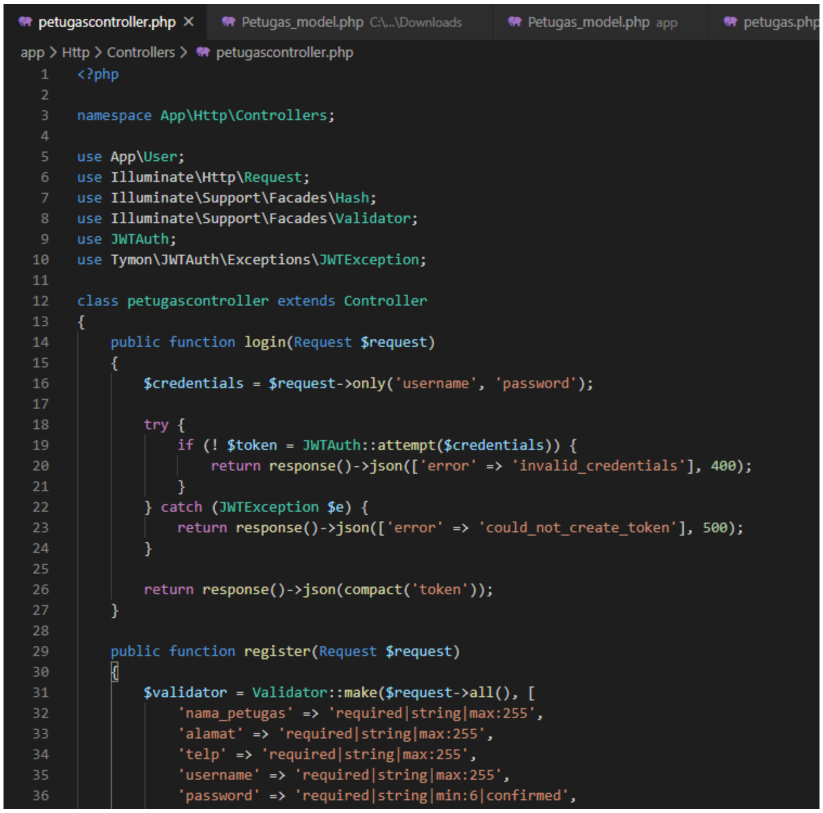
```php
<?php

namespace App\Http\Middleware;

use Closure;
use JWTAuth;
use Exception;
use Tymon\JWTAuth\Http\Middleware\BaseMiddleware;

class JwtMiddleware extends BaseMiddleware
{
    /**
     * Handle an incoming request.
     *
     * @param  \Illuminate\Http\Request  $request
     * @param  \Closure  $next
     * @return mixed
     */
    public function handle($request, Closure $next)
    {
        try {
            $user = JWTAuth::parseToken()->authenticate();
        } catch (Exception $e) {
            if ($e instanceof \Tymon\JWTAuth\Exceptions\TokenInvalidException){
                return response()->json(['status' => 'Token is Invalid']);
            }else if ($e instanceof \Tymon\JWTAuth\Exceptions\TokenExpiredException){
                return response()->json(['status' => 'Token is Expired']);
            }else{
                return response()->json(['status' => 'Authorization Token not found']);
            }
        }
        return $next($request);
    }
}
```

3. Routes (api.php)
4.



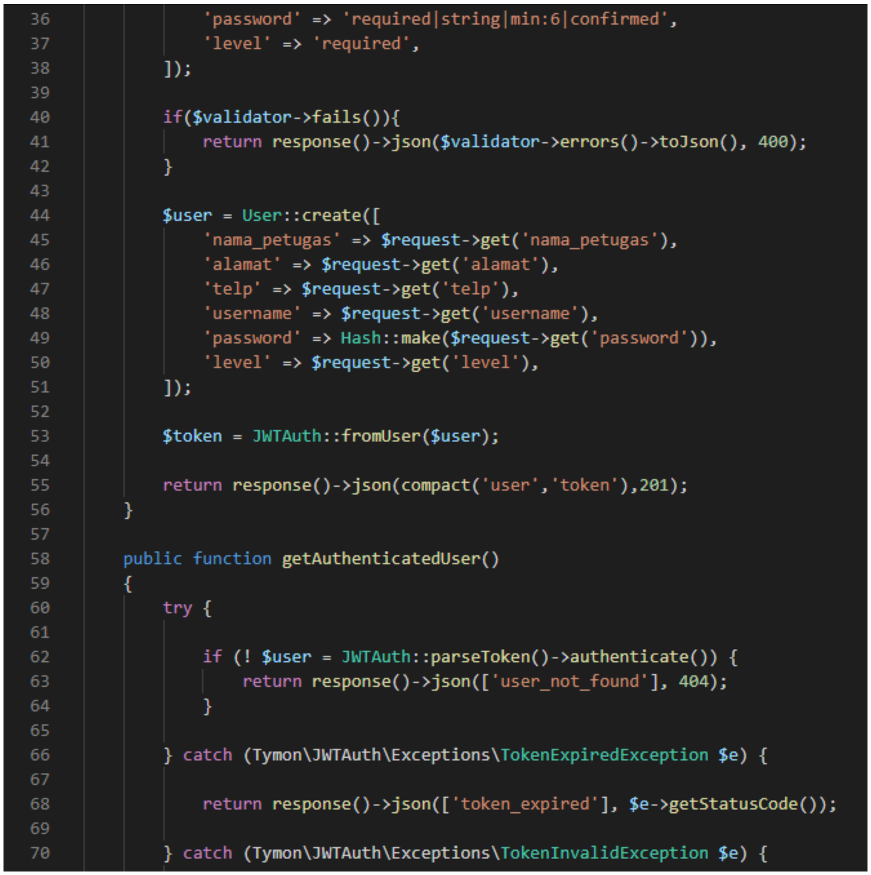
```php
Route::middleware('auth:api')->get('/user', function (Request $request) {
    return $request->user();
});
Route::post('register', 'UserController@register');
Route::post('login', 'UserController@login');
Route::get('user', 'UserController@getAuthenticatedUser')->middleware('jwt.verify');
Route::get ('/', function(){
    return Auth::user()->level;
})->middleware('jwt.verify');
Route::post('register', 'petugascontroller@register');
Route::post('login', 'petugascontroller@login');
Route::get('petugas', 'petugascontroller@getAuthenticatedUser')->middleware('jwt.verify');
```

5. Controller
   - Petugas

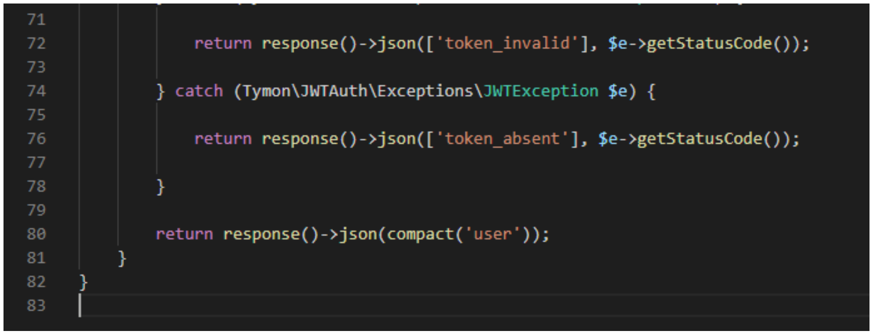


petugascontroller.php ×
Petugas_model.php C:\...\Downloads
Petugas_model.php app
petugas.php
app > Http > Controllers > petugascontroller.php

```php
<?php

namespace App\Http\Controllers;

use App\User;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Hash;
use Illuminate\Support\Facades\Validator;
use JWTAuth;
use Tymon\JWTAuth\Exceptions\JWTException;

class petugascontroller extends Controller
{
    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'));
    }

    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',
            'username' => 'required|string|max:255',
            'password' => 'required|string|min:6|confirmed',
```



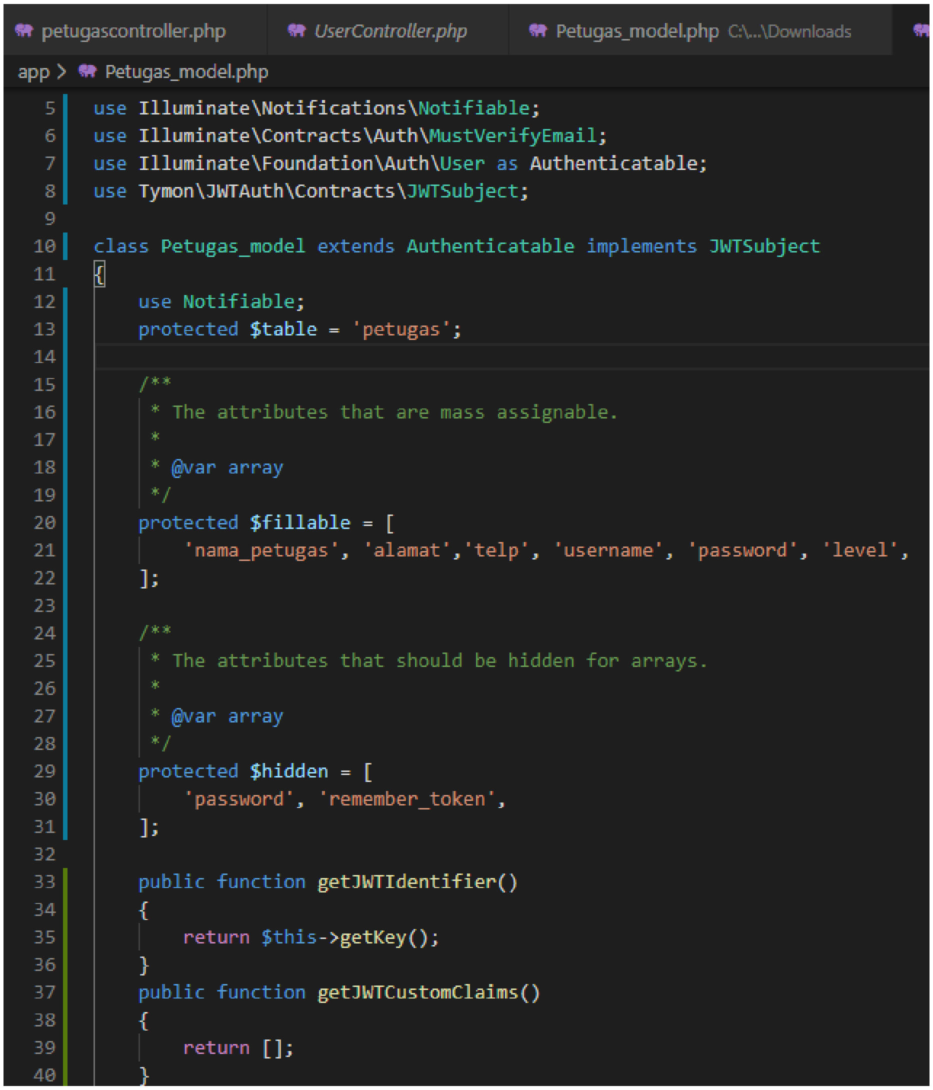
```php
            'password' => 'required|string|min:6|confirmed',
            'level' => 'required',
        ]);

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

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

        $token = JWTAuth::fromUser($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) {

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

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



```php

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

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

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

        }

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

```

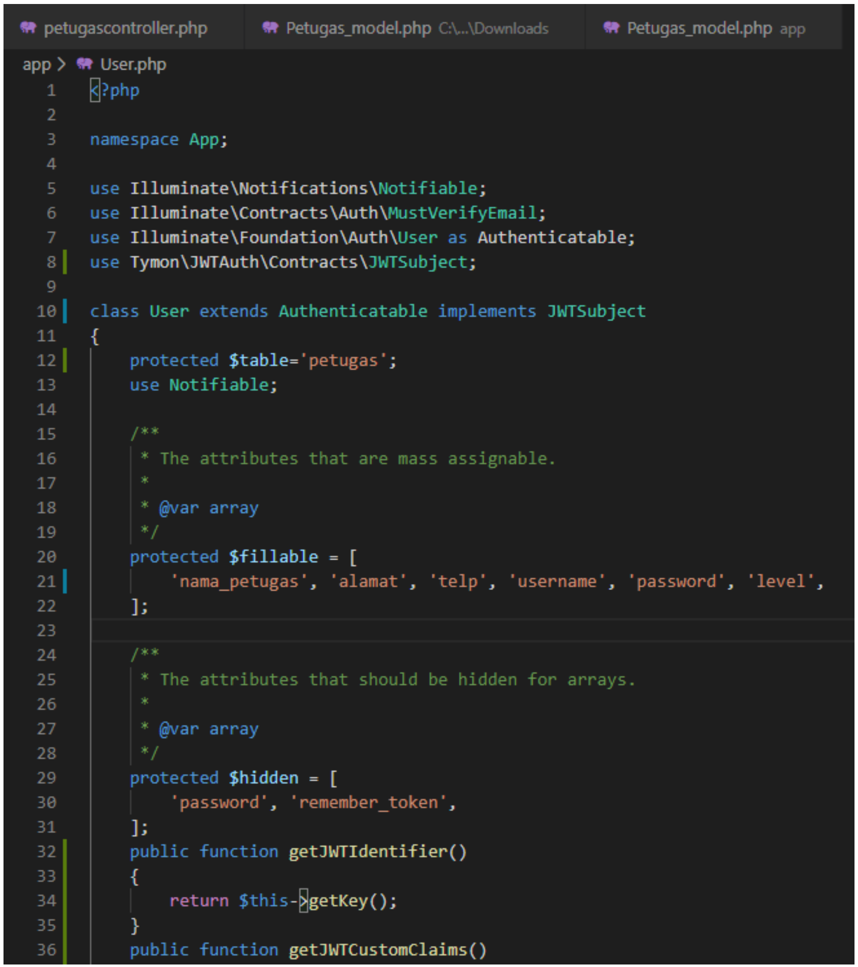
6. Model

- Petugas

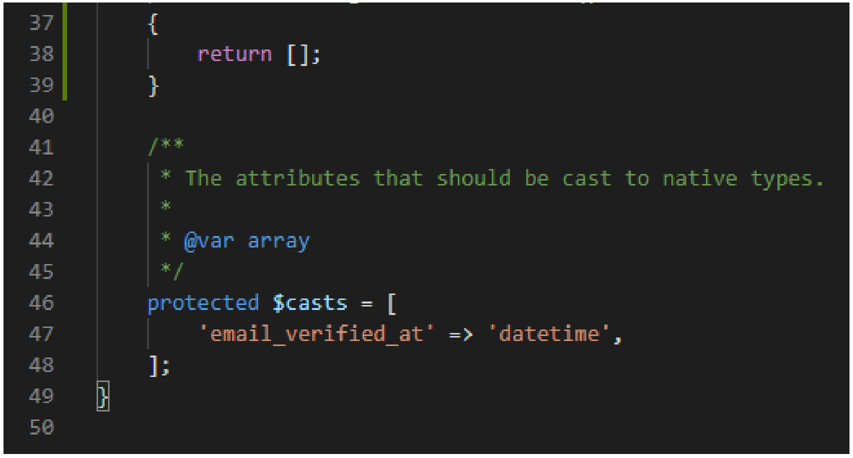


```php
use Illuminate\Notifications\Notifiable;
use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Tymon\JWTAuth\Contracts\JWTSubject;

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

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

    /**
     * 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 [];
    }
```

- User



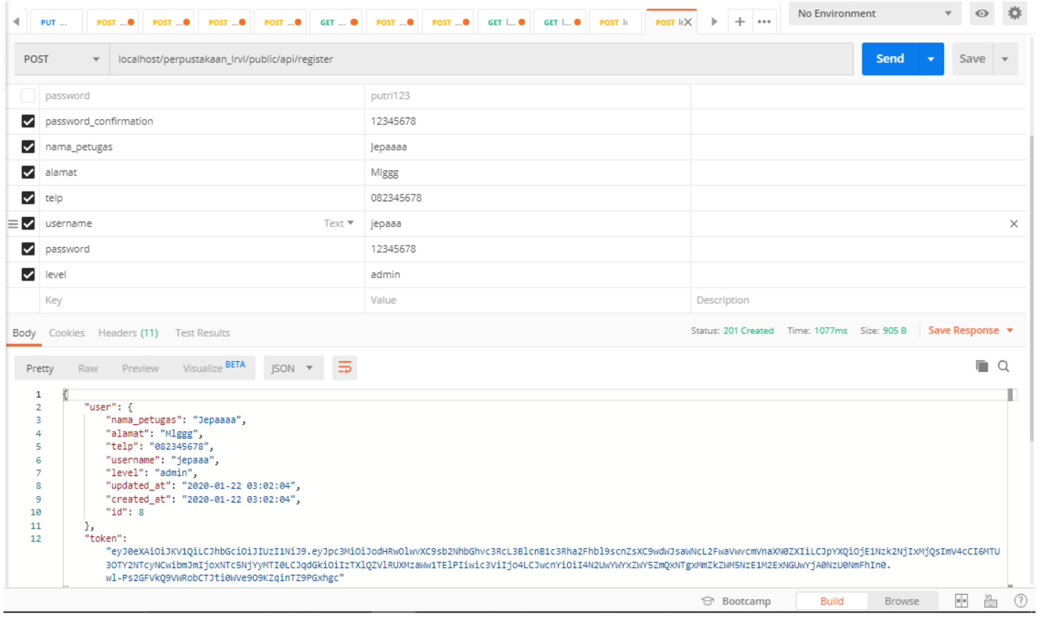
```php
<?php

namespace App;

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

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

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

    /**
     * The attributes that should be hidden for arrays.
     *
     * @var array
     */
    protected $hidden = [
        'password', 'remember_token',
    ];
    public function getJWTIdentifier()
    {
        return $this->getKey();
    }
    public function getJWTCustomClaims()
```



```php
    {
        return [];
    }

    /**
     * The attributes that should be cast to native types.
     *
     * @var array
     */
    protected $casts = [
        'email_verified_at' => 'datetime',
    ];
}
```

7. Hasil Postman

- Register



POST localhost/perpustakaan_lrvl/public/api/register

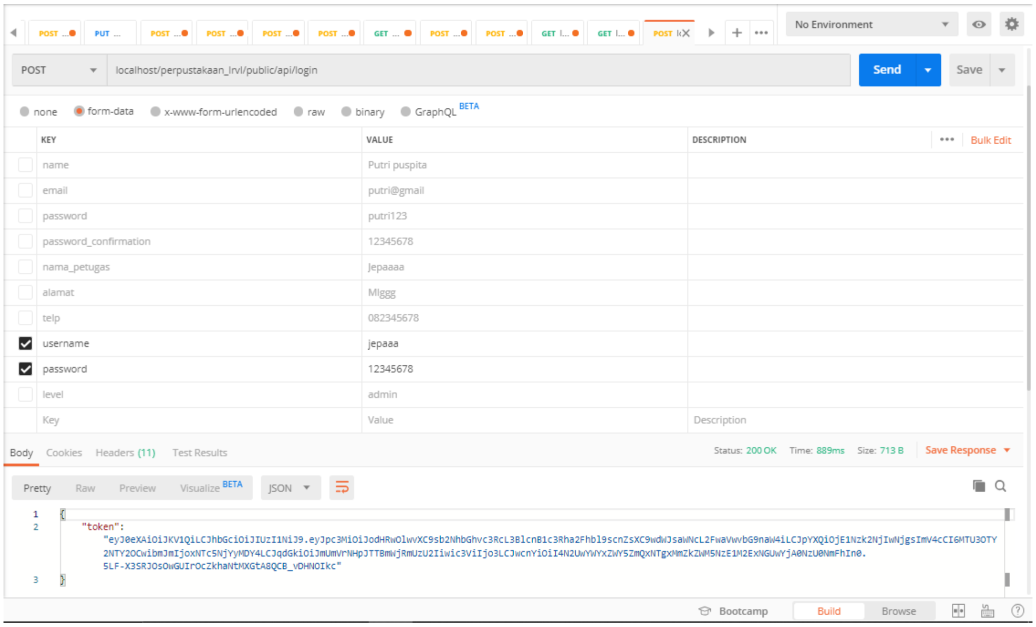
□	password	putri123	
☑	password_confirmation	12345678	
☑	nama_petugas	Jepaaaa	
☑	alamat	Mlggg	
☑	telp	082345678	
☑	username	jepaaa	
☑	password	12345678	
☑	level	admin	
	Key	Value	Description

Body Cookies Headers (11) Test Results — Status: 201 Created Time: 1077ms Size: 905 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
{
    "user": {
        "nama_petugas": "Jepaaaa",
        "alamat": "Mlggg",
        "telp": "082345678",
        "username": "jepaaa",
        "level": "admin",
        "updated_at": "2020-01-22 03:02:04",
        "created_at": "2020-01-22 03:02:04",
        "id": 8
    },
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL3BlcnB1c3Rha2Fhbl9scnZsXC9wdWJsaWNcL2FwaVwvcmVnaXN0ZXIiLCJpYXQiOjE1Nzk2NjIxMjQsImV4cCI6MTU
        3OTY2NTcyNCwibmJmIjoxNTc5NjYyMTI0LCJqdGkiOiIzTXlQZVlRUXMzaWw1TElPIiwic3ViIjo4LCJwcnYiOiI4N2UwYWYxZWY5ZmQxNTgxMmZkZWM5NzE1M2ExNGUwYjA0NzU0NmFhIn0.
        wl-Ps2GFVkQ9VWRobCTJti0WVe9O9KZqinTZ9PGxhgc"
```

- Login



POST localhost/perpustakaan_lrvl/public/api/login

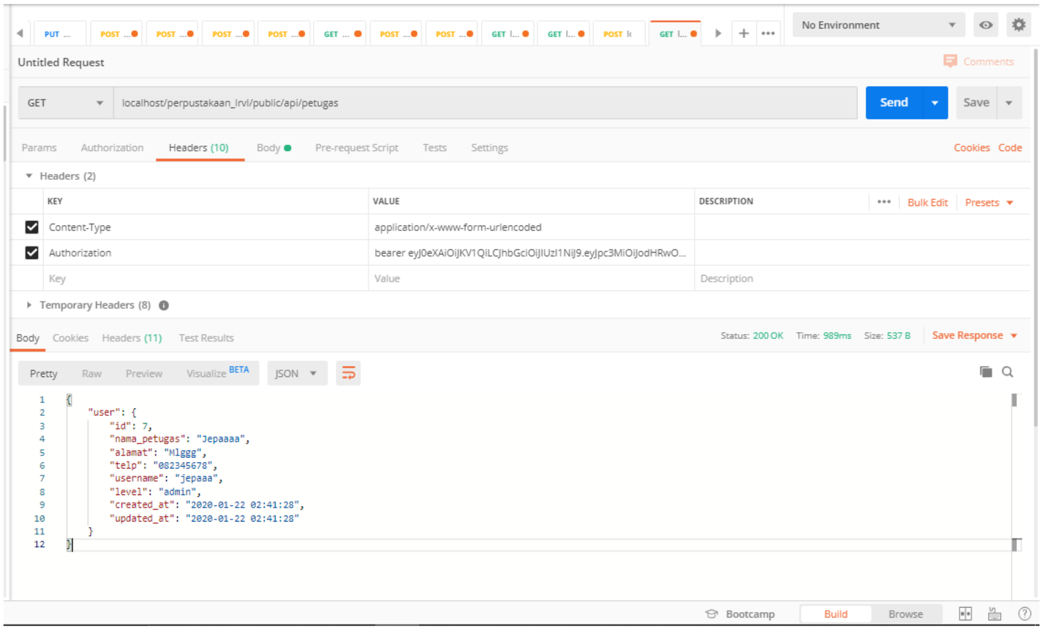
○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL BETA

	KEY	VALUE	DESCRIPTION
□	name	Putri puspita	
□	email	putri@gmail	
□	password	putri123	
□	password_confirmation	12345678	
□	nama_petugas	Jepaaaa	
□	alamat	Mlggg	
□	telp	082345678	
☑	username	jepaaa	
☑	password	12345678	
□	level	admin	
	Key	Value	Description

Body Cookies Headers (11) Test Results — Status: 200 OK Time: 889ms Size: 713 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
{
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL3BlcnB1c3Rha2Fhbl9scnZsXC9wdWJsaWNcL2FwaVwvbG9naW4iLCJpYXQiOjE1Nzk2NjIwNjgsImV4cCI6MTU3OTY
        2NTY2OCwibmJmIjoxNTc5NjYyMDY4LCJqdGkiOiJmUmVrNHpJTTBmWjRmUzU2Iiwic3ViIjo3LCJwcnYiOiI4N2UwYWYxZWY5ZmQxNTgxMmZkZWM5NzE1M2ExNGUwYjA0NzU0NmFhIn0.
        5LF-X3SRJOsOwGUIrOcZkhaNtMXGtA8QCB_vDHNOIkc"
}
```



Untitled Request

GET localhost/perpustakaan_lrvl/public/api/petugas

Headers (2)

	KEY	VALUE	DESCRIPTION
☑	Content-Type	application/x-www-form-urlencoded	
☑	Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwO...	
	Key	Value	Description

Temporary Headers (8)

Status: 200 OK Time: 989ms Size: 537 B

```
{
    "user": {
        "id": 7,
        "nama_petugas": "Jepaaaa",
        "alamat": "Mlggg",
        "telp": "082345678",
        "username": "jepaaa",
        "level": "admin",
        "created_at": "2020-01-22 02:41:28",
        "updated_at": "2020-01-22 02:41:28"
    }
}
```