

## Tugas 4 JWT Laravel

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- **SS Make Controller, Model, Middleware**

Make controller petugas

```
c:\xampp\htdocs\perpustakaan>php artisan make:controller PetugasController
```

Make middleware

```
c:\xampp\htdocs\perpustakaan>php artisan make:middleware JwtMiddleware
```

Make model

```
c:\xampp\htdocs\perpustakaan>php artisan make:model Petugas_model
```

- **SS api.php, controller, model**

api.php

```
1  <?php
2
3  use Illuminate\Http\Request;
4
5  /*
6  |-----
7  | API Routes
8  |-----
9  |
10 | Here is where you can register API routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | is assigned the "api" middleware group. Enjoy building your API!
13 |
14 */
15
16 Route::middleware('auth:api')->get('/user', function (Request $request) {
17     return $request->user();
18 });
19 Route::post('register', 'PetugasController@register');
20 Route::post('login', 'PetugasController@login');
21 Route::get('/', function(){
22     return Auth::user()->level;
23 }->middleware('jwt.verify');|
24
25 Route::get('user', 'PetugasController@getAuthenticatedUser')->middleware('jwt.verify');
26
27
```

## Petugas controller

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Petugas_model;
7  use Illuminate\Support\Facades\Hash;
8  use Illuminate\Support\Facades\Validator;
9  use JWTAuth;
10 use Tymon\JWTAuth\Exceptions\JWTException;
11
12 class PetugasController extends Controller
13 {
14     public function login(Request $request)
15     {
16         $credentials = $request->only('username', 'password');
17
18         try {
19             if (! $token = JWTAuth::attempt($credentials)) {
20                 return response()->json(['error' => 'invalid_credentials'], 400);
21             }
22         } catch (JWTException $e) {
23             return response()->json(['error' => 'could_not_create_token'], 500);
24         }
25
26         return response()->json(compact('token'));
27     }
28
29     public function register(Request $request)
30     {
31         $validator = Validator::make($request->all(), [
32             'nama_petugas' => 'required|string|max:255',
33             'alamat' => 'required|string|max:255',
34             'telp' => 'required|string|max:255',
35             'username' => 'required|string|max:255',
36             'level' => 'required|string|max:255',
37             'password' => 'required|string|min:6|confirmed',
38         ]);
39
40         if($validator->fails()){
41             return response()->json($validator->errors()->toJson(), 400);
```

```

38     });
39     if($validator->fails()){
40         return response()->json($validator->errors()->toJson(), 400);
41     }
42     $user = Petugas_model::create([
43         'nama_petugas' => $request->get('nama_petugas'),
44         'alamat' => $request->get('alamat'),
45         'telp' => $request->get('telp'),
46         'username' => $request->get('username'),
47         'level' => $request->get('level'),
48         'password' => Hash::make($request->get('password')),
49     ]);
50
51     $token = JWTAuth::fromUser($user);
52
53     return response()->json(compact('user','token'),201);
54 }
55 public function getAuthenticatedUser()
56 {
57     try {
58         if (! $user = JWTAuth::parseToken()->authenticate()) {
59             return response()->json(['user_not_found'], 404);
60         }
61
62     } catch (Tymon\JWTAuth\Exceptions\TokenExpiredException $e) {
63
64         return response()->json(['token_expired'], $e->getStatusCode());
65
66     } catch (Tymon\JWTAuth\Exceptions\TokenInvalidException $e) {
67
68         return response()->json(['token_invalid'], $e->getStatusCode());
69
70     } catch (Tymon\JWTAuth\Exceptions\JWTException $e) {
71
72         return response()->json(['token_absent'], $e->getStatusCode());
73
74     }
75     return response()->json(compact('user'));
76 }
77 }

```

## Model User

```
1  <?php
2
3  namespace App;
4
5  use Illuminate\Notifications\Notifiable;
6  use Illuminate\Contracts\Auth\MustVerifyEmail;
7  use Illuminate\Foundation\Auth\User as Authenticatable;
8  use Tymon\JWTAuth\Contracts\JWTSubject;
9
10 class User extends Authenticatable implements JWTSubject
11 {
12     use Notifiable;
13     protected $table = "petugas";
14     /**
15      * The attributes that are mass assignable.
16      *
17      * @var array
18      */
19     protected $fillable = [
20         'nama_petugas', 'alamat', 'telp', 'username', 'password', 'level'
21     ];
22
23     /**
24      * The attributes that should be hidden for arrays.
25      *
26      * @var array
27      */
28     protected $hidden = [
29         'password', 'remember_token',
30     ];
31
32     public function getJWTIdentifier()
33     {
34         return $this->getKey();
35     }
36     public function getJWTCustomClaims()
37     {
38         return [];
39     }
40 }
```

## Model Petugas

```
1  <?php
2
3  namespace App;
4
5  use Illuminate\Notifications\Notifiable;
6  use Illuminate\Contracts\Auth\MustVerifyEmail;
7  use Illuminate\Foundation\Auth\User as Authenticatable;
8  use Tymon\JWTAuth\Contracts\JWTSubject;
9
10 class Petugas_model extends Authenticatable implements JWTSubject
11 {
12     use Notifiable;
13     protected $table = "petugas";
14     /**
15      * The attributes that are mass assignable.
16      *
17      * @var array
18      */
19     protected $fillable = [
20         'nama_petugas', 'alamat', 'telp', 'username', 'password', 'level'
21     ];
22
23     /**
24      * The attributes that should be hidden for arrays.
25      *
26      * @var array
27      */
28     protected $hidden = [
29         'password', 'remember_token',
30     ];
31
32     public function getJWTIdentifier()
33     {
34         return $this->getKey();
35     }
36     public function getJWTCustomClaims()
37     {
38         return [];
39     }
40 }
```

- **SS Hasil Postman**  
Hasil registrasi petugas

```
POST http://localhost/perpustakaan/public/api/register

{
  "user": {
    "nama_petugas": "Galaksi",
    "alamat": "bandung",
    "telp": "081234567899",
    "username": "galaksialdebaran",
    "level": "petugas",
    "updated_at": "2020-01-22 07:40:01",
    "created_at": "2020-01-22 07:40:01",
    "id": 7
  },
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi1wvXC9sb2NhbGhvc3Rlc3B1cnB1c3Rha2FhbWVhYyIjXC9hcG1cL3JlZ21zdGVyIiwiaWF0IjoxNTc5Njc4ODAxLCJleHAiOiJlbnk2ODI0MDEsIm5iZiI6MTU3OTY3ODgwPSwianRpIjojZ2FTTGZnaWg2STJlODNpeSIsInN1YiI6NywicHJ2IjojOTc3M2E0OWI5MmRlZj1mZTk0YzJhOwRjYjg1OTc2OTMzOWIyMDI2ZiJ9.ZYvZ3LduKXaZcPxdhxMLuhob9JXanGqD-5kUtDQA6ws"
}
```

## Hasil registrasi admin

```
POST http://localhost/perpustakaan/public/api/register

{
  "user": {
    "nama_petugas": "A1",
    "alamat": "Bekasi",
    "telp": "081234567765",
    "username": "alvarorasyandra",
    "level": "admin",
    "updated_at": "2020-01-22 07:41:42",
    "created_at": "2020-01-22 07:41:42",
    "id": 8
  },
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi1wvXC9sb2NhbGhvc3Rlc3B1cnB1c3Rha2FhbWVhYyIjXC9hcG1cL3JlZ21zdGVyIiwiaWF0IjoxNTc5Njc4OTAyLCJleHAiOiJlbnk2ODI0MDEsIm5iZiI6MTU3OTY3ODkwPSwianRpIjojZ2FTTGZnaWg2STJlODNpeSIsInN1YiI6NywicHJ2IjojOTc3M2E0OWI5MmRlZj1mZTk0YzJhOwRjYjg1OTc2OTMzOWIyMDI2ZiJ9.Z3_szPwvQh5KQrDpTNCdq2sXAxz8oocjKMTYjqKauk"
}
```

## Hasil login petugas

POST http://localhost/perpustakaan/public/api/login Send Save

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input type="checkbox"/> nama_petugas	Galaksi			
<input type="checkbox"/> alamat	bandung			
<input type="checkbox"/> telp	081234567899			
<input checked="" type="checkbox"/> username	galaksialdebaran			
<input type="checkbox"/> level	petugas			
<input checked="" type="checkbox"/> password	87654321			
<input checked="" type="checkbox"/> password_confirmation	87654321			
Key	Value	Description		

Body Cookies Headers (11) Test Results Status: 200 OK Time: 320ms Size: 706 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "token":
  "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOiwwXC9sb2NhbGhvc3RcL3B1cnB1c3Rha2Fhb1wvCHVibG1jXC9hcG1cL2xvZ2l1uIiwiaWF0IjoxNTc5Njc5MTExLjE1eHAiOiJlbnZkZD0I3MTESIm5iZiI6MTU3OTY3OTExPSwianRpIjoiaThA3bFF6eVhndjJhKQm5XU1IsInN1YiI6IHYwIChJ2Ijoiod0d1MGFmWmVhbnZkMTU4MTJmZGVjOTcxNTNhMTR1MG1wNDc1NDZhYSJ9.zDraARoL7CcZHT-49wJ--JQAFdJAUkf1q6ILSW0x4tQ"
3 }
```

## Hasil login admin

POST http://localhost/perpustakaan/public/api/login Send Save

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input type="checkbox"/> nama_petugas	Galaksi			
<input type="checkbox"/> alamat	bandung			
<input type="checkbox"/> telp	081234567899			
<input checked="" type="checkbox"/> username	alvarorasyandra			
<input type="checkbox"/> level	petugas			
<input checked="" type="checkbox"/> password	34567890			
<input checked="" type="checkbox"/> password_confirmation	34567890			
Key	Value	Description		

Body Cookies Headers (11) Test Results Status: 200 OK Time: 335ms Size: 706 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "token":
  "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOiwwXC9sb2NhbGhvc3RcL3B1cnB1c3Rha2Fhb1wvCHVibG1jXC9hcG1cL2xvZ2l1uIiwiaWF0IjoxNTc5Njc5MTQ2LjE1eHAiOiJlbnZkZD0I3NDYsIm5iZiI6MTU3OTY3OTExPSwianRpIjoiaDd1MGFmWmVhbnZkMTU4MTJmZGVjOTcxNTNhMTR1MG1wNDc1NDZhYSJ9.bnF6doJgwz5DBNsUYKG1xnEZC1u18d-E70IwiIh7c5M"
3 }
```