

# GIT 3

The image displays two screenshots of the Postman application interface, showing the process of testing an API endpoint.

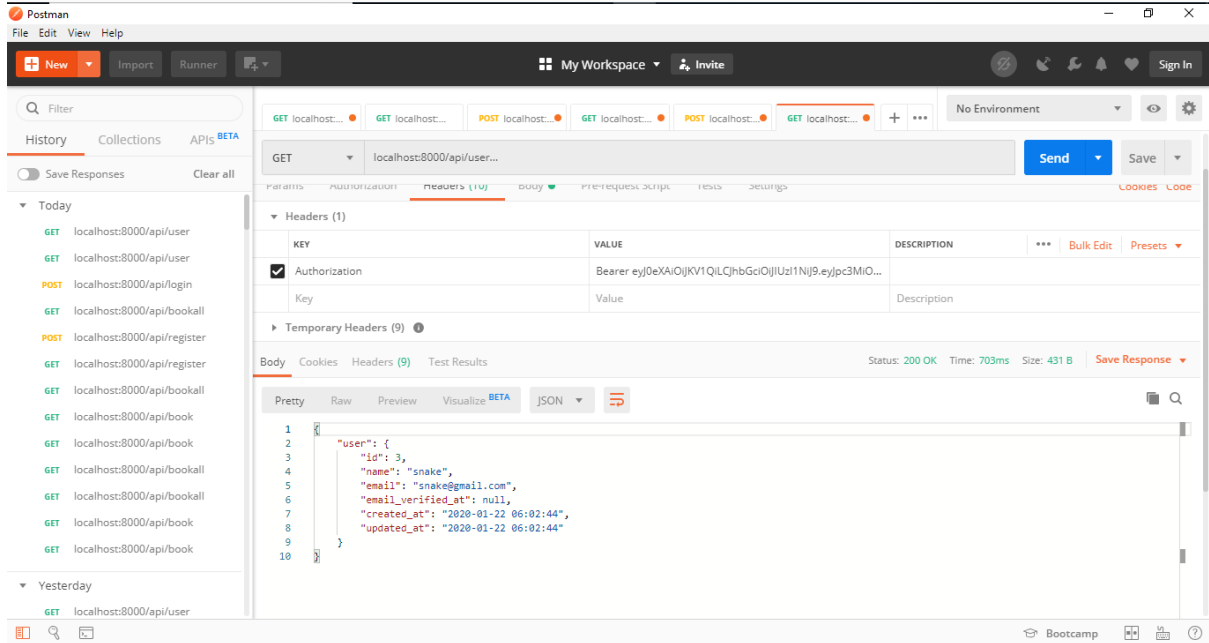
**Top Screenshot:**

- Environment:** No Environment
- Request:** GET localhost:8000/api/book...
- Params:** Query Params table with 1 row: Key, Value, Description.
- Body:** Pretty view showing a single line: "Data All Book".
- Status:** 200 OK, Time: 4.46s, Size: 293 B.

**Bottom Screenshot:**

- Environment:** No Environment
- Request:** GET localhost:8000/api/bookall...
- Params:** Query Params table with 1 row: Key, Value, Description.
- Body:** Pretty view showing a JSON object: {"status": "Authorization Token not found"}.
- Status:** 200 OK, Time: 2.54s, Size: 320 B.





The image displays two instances of the Visual Studio Code editor. The top window, titled 'User.php - Visual Studio Code', shows the 'User.php' file. The code defines a 'User' class that extends 'Authenticatable' and implements 'JWTSubject'. It includes several use statements for packages like 'Illuminate\Notifications', 'Illuminate\Contracts\Auth', 'Illuminate\Foundation\Auth', and 'Tymon\JWTAuth'. The class has two protected arrays: '\$fillable' containing 'name', 'email', 'password', and 'level'; and '\$hidden' containing 'password' and 'remember\_token'. A 'getJWTIdentifier()' method is also defined.

The bottom window, titled 'UserController.php - Visual Studio Code', shows the 'UserController.php' file. It contains a 'create' method that handles HTTP requests. The method returns a JSON response with 'token\_invalid' if an exception occurs, or 'token\_absent' if another exception occurs. If no exceptions occur, it returns a compacted JSON representation of the 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
14     /**
15      * The attributes that are mass assignable.
16      *
17      * @var array
18      */
19     protected $fillable = [
20         'name', 'email', '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     }
35 }
```

```
67
68         return response()->json(['token_invalid'], $e->getStatusCode());
69     } catch (Tymon\JWTAuth\Exceptions\JWTException $e) {
70     }
71     return response()->json(['token_absent'], $e->getStatusCode());
72 }
73
74
75
76     return response()->json(compact('user'));
77 }
78 }
```

```
UserController.php - Visual Studio Code
UserController.php x api.php User.php
C:\Zulfa_XRPL2_40 > htdocs > Delta-01 > app > Http > Controllers > UserController.php
34 'password' => 'required|string|min:6|confirmed',
35 'level' => 'required|string|max:255',
36 );
37
38 if($validator->fails()){
39     return response()->json($validator->errors()->toJson(), 400);
40 }
41
42 $user = User::create([
43     'name' => $request->get('name'),
44     'email' => $request->get('email'),
45     'password' => Hash::make($request->get('password')),
46     'level' => $request->get('level'),
47 ]);
48
49 $token = JWTAuth::fromUser($user);
50
51 return response()->json(compact('user','token'),201);
52 }
53
54 public function getAuthenticatedUser()
55 {
56     try {
57
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     }
69 }
Ln 78, Col 2 Spaces: 4 UTF-8 LF PHP

UserController.php - Visual Studio Code
UserController.php x api.php User.php
C:\Zulfa_XRPL2_40 > htdocs > Delta-01 > app > Http > Controllers > UserController.php
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\User;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Hash;
8 use Illuminate\Support\Facades\Validator;
9 use JWTAuth;
10 use Tymon\JWTAuth\Exceptions\JWTException;
11
12 class UserController extends Controller
13 {
14     public function login(Request $request)
15     {
16         $credentials = $request->only('email', 'password','level');
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             'name' => 'required|string|max:255',
33             'email' => 'required|string|email|max:255|unique:users',
34         ]);
35
36         if ($validator->fails()) {
37             return response()->json($validator->errors()->toJson(), 400);
38         }
39
40         $user = User::create([
41             'name' => $request->get('name'),
42             'email' => $request->get('email'),
43             'password' => Hash::make($request->get('password')),
44             'level' => $request->get('level'),
45         ]);
46
47         $token = JWTAuth::fromUser($user);
48
49         return response()->json(compact('user','token'),201);
50     }
51
52     public function getAuthenticatedUser()
53     {
54         try {
55
56             if (! $user = JWTAuth::parseToken()->authenticate()) {
57                 return response()->json(['user_not_found'], 404);
58             }
59
60         } catch (Tymon\JWTAuth\Exceptions\TokenExpiredException $e) {
61
62             return response()->json(['token_expired'], $e->getStatusCode());
63
64         } catch (Tymon\JWTAuth\Exceptions\TokenInvalidException $e) {
65
66         }
67     }
68 }
```

```
File Edit Selection View Go Debug Terminal Help • api.php - Visual Studio Code
UserController.php api.php User.php
C:\Zulfa_XRPL2_40 > htdocs > Delta-01 > routes > 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
20 Route::post('register', 'UserController@register');
21 Route::post('login', 'UserController@login');
22 Route::get('book', 'Buku_controller@book');
23 Route::get('/', function() {
24     return Auth::user()->level;
25 })->middleware('jwt.verify');
26 Route::get('bookall', 'Buku_controller@bookAuth')->middleware('jwt.verify');
27 Route::get('user', 'UserController@getAuthenticatedUser')->middleware('jwt.verify');
```

phpMyAdmin

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Server: 127.0.0.1 Database: migrate Table: users

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	name	varchar(200)	utf8mb4_unicode_ci		No	None			Change Drop More
3	email	varchar(200)	utf8mb4_unicode_ci		No	None			Change Drop More
4	email_verified_at	timestamp			Yes	NULL			Change Drop More
5	password	varchar(200)	utf8mb4_unicode_ci		No	None			Change Drop More
6	remember_token	varchar(100)	utf8mb4_unicode_ci		Yes	NULL			Change Drop More
7	level	enum('Admin', 'Petugas')	utf8mb4_unicode_ci		No	None			Change Drop More
8	created_at	timestamp			Yes	NULL			Change Drop More
9	updated_at	timestamp			Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext

Print Propose table structure Move columns Normalize

Add 1 column(s) after updated\_at Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	id	4	A	No	
Edit Drop	users_email_unique	BTREE	Yes	No	email	4	A	No	

Create an index on 1 columns Go

Server: 127.0.0.1 Database: migrate Table: users

Showing rows 0 - 4 (5 total. Query took 0.0003 seconds.)

SELECT \* FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

	id	name	email	email_verified_at	password	remember_token	level	created_at	updated_at
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	liquid	liquid@gmail.com	NULL	\$2y\$10\$HMBRYcp5DPCIOwKa1B5bOIPm/a9nOGuvcgXQ.Cz.rF...	NULL		2020-01-21 06:56:39	2020-01-21 06
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	liquid	liquidSnake@gmail.com	NULL	\$2y\$10\$BsYP7W6harDwqeHicVolv.vLmTG8JvLnLGeEWAjbxcd...	NULL		2020-01-21 07:04:35	2020-01-21 07
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	snake	snake@gmail.com	NULL	\$2y\$10\$EVEspcvIAaPjo21aRPjWcuSu4GrYQcwqzjzp5 pwWj....	NULL		2020-01-22 06:02:44	2020-01-22 06
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	raiden	raiden@gmail.com	NULL	\$2y\$10\$kiD.lu0ySaj.trajfibiBuya8A6uaLpBFfOv708xXU...	NULL	Admin	2020-01-22 07:03:40	2020-01-22 07
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	plisskin	plisskin@gmail.com	NULL	\$2y\$10\$ccfbHw00TSMnW9fhTRYe9KMLhtQYz9jheSt5UH9Od...	NULL	Admin	2020-01-22 07:37:02	2020-01-22 07

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console