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Jobsheet 11

Restful API 2

Praktikum 1 – Implementasi Eloquent Accessor

1	<p>Memodifikasi table m_user dengan menambahkan column image menggunakan migration</p> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS>php artisan make:migration add_image_to_m_user_table</pre> <p>INFO Migration [C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS\database\migrations\2024_05_20_080602_add_image_to_m_user_table.php] created successfully.</p> <pre>2024_05_20_080602_add_image_to_m_user_table.php U</pre>										
2	<p>Memodifikasi isi migration</p> <pre>public function up(): void { Schema::table('m_user', function (Blueprint \$table) { \$table->string('image'); }); } /** * Reverse the migrations. */ public function down(): void { Schema::table('m_user', function (Blueprint \$table) { \$table->dropColumn('image'); }); }</pre>										
3	<p>Melakukan update migration</p> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS>php artisan migrate</pre> <p>INFO Running migrations.</p> <pre>2024_05_20_080602_add_image_to_m_user_table 115ms DONE</pre> <p>Hasil update migration</p> <table><tr><th>status</th><th>profile_img</th><th>created_at</th><th>updated_at</th><th>image</th></tr><tr><td>1</td><td>NULL</td><td>NULL</td><td>NULL</td><td></td></tr></table>	status	profile_img	created_at	updated_at	image	1	NULL	NULL	NULL	
status	profile_img	created_at	updated_at	image							
1	NULL	NULL	NULL								
4	<p>Melakukan modifikasi di UserModel</p> <pre>class UserModel extends Authenticatable implements JWTSubject { /** * protected \$fillable = ['level_id','username','nama','password', 'status', 'profile_img', 'image']; */ public function level(): BelongsTo{ return \$this->belongsTo(LevelModel::class, 'level_id', 'level_id'); } // public function stok(): HasMany{ // return \$this->hasMany(StokModel::class, 'stok_id', 'stok_id'); // } protected function image(): Attribute{ return Attribute::make(get: fn (\$image) => url('/storage/posts/' . \$image)); } protected \$hidden = ['password']; }</pre>										

5 Modifikasi Api/RegisterController

```
//set validation
$validator = Validator::make($request->all(),[
    'username' => 'required',
    'nama' => 'required',
    'password' => 'required|min:5|confirmed',
    'level_id' => 'required',
    'image' => 'required|image|mimes:jpeg,png,jpg,gif,svg|max:2048',
]);

//create user
$user = UserModel::create([
    'username' => $request->username,
    'nama' => $request->nama,
    'password' => bcrypt($request->password),
    'level_id' => $request->level_id,
    'image' => $request->image,
]);
```

6 Menambahkan route register1

```
Route::post('/register1', \App\Http\Controllers\Api\RegisterController::class)->name('register1');
```

7 Akses Postman dengan method POST (127.0.0.1:8000/api/register1)

Workspaces More

Overview Getting started POST Visualize as No environment

Data Visualization / Visualize any JSON data Save

POST 127.0.0.1:8000/api/register1 Send

Params Auth Headers (9) Body Scripts Settings

form-data

Key	Value	Description
username	penggunaempat	
nama	pengguna4	
password	12345	
password_confirmation	12345	
level_id	2	
image	do...	

Body 201 Created 1308 ms 575 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "success": true,
3   "user": {
4     "username": "penggunaempat",
```

```
    "username": "penggunaempat",
    "nama": "pengguna4",
    "level_id": "2",
    "image": "http://127.0.0.1:8000/storage/posts/
C:\\xampp\\tmp\\phpB68B.tmp",
    "updated_at": "2024-05-20T08:23:21.000000Z",
    "created_at": "2024-05-20T08:23:21.000000Z",
    "user_id": 9
  }
}
```

8	<p>Mengganti create user image di RegisterController</p> <pre>//create user \$user = UserModel::create(['username' => \$request->username, 'nama' => \$request->nama, 'password' => bcrypt(\$request->password), 'level_id' => \$request->level_id, 'image' => \$request->image->hashName(),]);</pre>
9	<p>Hasil</p> <pre>{ "success": true, "user": { "username": "penggunalima", "nama": "pengguna5", "level_id": "2", "image": "http://127.0.0.1:8000/storage/posts/NS2RLIFHfqahXrFp8HpL0DKI9Wc5KZEBE72SGrvb.jpg", "updated_at": "2024-05-20T08:31:17.000000Z", "created_at": "2024-05-20T08:31:17.000000Z", "user_id": 10 } }</pre> <p>Perbedaannya dari penamaan file menjadi hash dimana nama menjadi rahasia</p>

TUGAS – Upload File / Gambar

m_barang	
1	<p>Menambahkan column image di table m_barang menggunakan migration</p> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS>php artisan make:migration add_image_to_m_barang_table</pre> <pre>INFO Migration [C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS\database\migrations\2024_05_20_083906_add_image_to_m_barang_table.php] created successfully.</pre> <pre>2024_05_20_084137_add_image_to_m_barang_table.php U</pre>
2	<p>Memodifikasi isi migration</p> <pre>public function up(): void { Schema::table('m_barang', function (Blueprint \$table) { \$table->string('image'); }); } /** * Reverse the migrations. */ public function down(): void { Schema::table('m_barang', function (Blueprint \$table) { \$table->dropColumn('image'); }); }</pre>
3	<p>Melakukan update migration</p> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS>php artisan migrate</pre> <pre>INFO Running migrations. 2024_05_20_084137_add_image_to_m_barang_table 257ms DONE</pre>

6 Akses Postman dengan method POST (127.0.0.1:8000/api/barangs)

Workspaces ▾ More ▾

Overview Getting started **POST Visualize any** + ▾ No environment ▾

Data Visualization / Visualize any JSON data Save ▾

POST ▾ 127.0.0.1:8000/api/barangs Send ▾

Params Auth Headers (9) **Body** Scripts Settings ... </>

form-data ▾

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> barang_kode	Text ▾ HDP			
<input checked="" type="checkbox"/> barang_nama	Text ▾ Handphone			
<input checked="" type="checkbox"/> harga_beli	Text ▾ 1800000			
<input checked="" type="checkbox"/> harga_jual	Text ▾ 2000000			
<input checked="" type="checkbox"/> kategori_id	Text ▾ 3			
<input checked="" type="checkbox"/> image	File ▾ Artwor...			
Key	Text ▾ Value	Description		

Body ▾ 201 Created 1385 ms 646 B Save as example ...

Pretty Raw Preview Visualize JSON ▾

```
1 {
2   "success": true,
3   "barang": {
4     "barang_kode": "HDP",
5     "barang_nama": "Handphone",
6     "harga_beli": "1800000",
7     "harga_jual": "2000000",
8     "kategori_id": "3",
9     "image": "http://127.0.0.1:8000/storage/posts/
10    G0hcS9s1LwZ6ArMgkLVZwDVbDUe4S3UqratFPIBk.jpg",
11     "updated_at": "2024-05-20T09:48:33.000000Z",
12     "created_at": "2024-05-20T09:48:33.000000Z",
13     "barang_id": 12
14   }
15 }
```

Console Postbot Runner Vault

7 Memanggil data menggunakan GET

Workspaces ▾ More ▾

Overview Getting started **GET Visualize any** + ▾ No environment ▾

Data Visualization / Visualize any JSON data Save ▾

GET ▾ 127.0.0.1:8000/api/barangs/12 Send ▾

Params Auth Headers (9) **Body** Scripts Settings ... </>

form-data ▾

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> barang_kode	Text ▾ HDP			
<input checked="" type="checkbox"/> barang_nama	Text ▾ Handphone			

Body ▾ 200 OK 1598 ms 609 B Save as example ...

Pretty Raw Preview Visualize JSON ▾

```
1 {
2   "barang_id": 12,
3   "kategori_id": 3,
4   "barang_kode": "HDP",
5   "barang_nama": "Handphone",
6   "harga_beli": 1800000,
7   "harga_jual": 2000000,
8   "created_at": "2024-05-20T09:48:33.000000Z",
9   "updated_at": "2024-05-20T09:48:33.000000Z",
10  "image": "http://127.0.0.1:8000/storage/posts/
11  G0hcS9s1LwZ6ArMgkLVZwDVbDUe4S3UqratFPIBk.jpg"
12 }
```

Console Postbot Runner Vault