

Tugas Pertemuan 11 Pemrograman Web Lanjut



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1. **Praktikum 1 – Implementasi Eloquent Accessor**
Sebelum memulai pastikan REST API, terlebih dahulu pastikan sudah ter instal aplikasi Postman.

Sudah

Kita akan memodifikasi Table m_user dengan menambahkan column : image, buka terminal lalu ketikkan

`php artisan make:migration add_image_to_m_user_table`

```
PS C:\laragon\www\PWL-Muhammad-Farrel-Caesarlan_2025\Minggu 11\POS_Jobsheet 11> php artisan make:migration add_image_to_m_user_table

INFO Migration [C:\laragon\www\PWL-Muhammad-Farrel-Caesarlan_2025\Minggu 11\POS_Jobsheet 11\database\Migrations\2025_04_23_103514_add_image_to_m_user_table.php] created successfully.
```

Buka file migrasi tersebut lalu modifikasi seperti ini lalu simpan:

```
database > migrations > 2025_04_23_103514_add_image_to_m_user_table.php > class > down > Closure
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  return new class extends Migration
8  {
9      /**
10       * Run the migrations.
11       */
12       public function up(): void
13       {
14           Schema::table('m_user', function (Blueprint $table) {
15               $table->string('image')->after('profile_picture');
16           });
17       }
18
19       /**
20        * Reverse the migrations.
21        */
```

Lakukan jalankan update migrasi dengan cara:

`php artisan migrate`

```
PS C:\laragon\www\PWL-Muhammad-Farrel-Caesarlan_2025\Minggu 11\POS_Jobsheet 11> php artisan migrate

INFO Running migrations.

2025_04_23_103514_add_image_to_m_user_table ..... 132ms DONE
```

Lalu lakukan modifikasi models pada App/Models/UserModel.php

```
public function image(): Attribute{
    return Attribute::make(
        get: fn ($image) => url('/storage/posts' . $image),
    );
}
```

Lakukan modifikasi pada Controllers/Api/RegisterController

```
$validator = Validator::make($request->all(), [
    'username' => 'required|string|max:255|unique:m_user',
    'nama' => 'required|string|max:255',
    'password' => 'required|string|min:6|confirmed',
    'level_id' => 'required',
    'image' => 'required',
]);

if($validator->fails()){
    return response()->json($validator->errors(), 422);
}

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

Anda dapat menambahkan detail untuk spesifikasi image pada validator

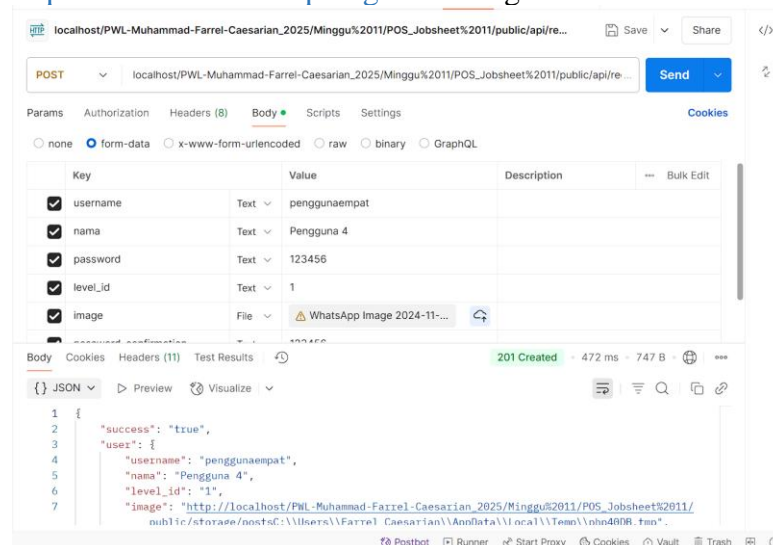
```
'image' => 'required|image|mimes:jpeg,png,jpg,gif|max:2048',
```

Ubah atau tambahkan register1 pada routes/api.php

```
Route::post('/register1', RegisterController::class)->name('register1');
```

Simpan dan akses pada aplikasi Postman, atur pada Body isi manual Key dan Valuenya pada Key image tambahkan value File dan upload gambar

<http://127.0.0.1:8000/api/register1> dengan method POST dan klik send



Pada Controllers/Api/RegisterController bagian create user ganti dengan

```
// Handle image upload
if ($request->hasFile('image')) {
    $image = $request->file('image');
    $image->store('images', 'public');
} else {
    return response()->json([
        'success' => 'false',
        'message' => 'Image upload failed'
    ], 422);
}

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

Uji coba dan screenshot hasilnya apa perbedaan dari yang sebelumnya

localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/public/api/re...

POST localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/public/api/re... Send

Params Authorization Headers (8) Body Scripts Settings Cookies

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

Key	Value	Description
password	123456	
level_id	1	
image	WhatsApp Image 2024-11-...	
password_confirmation	123456	

Body Cookies Headers (11) Test Results 201 Created • 512 ms • 728 B

```
{
  "username": "penggunalima",
  "nama": "Pengguna 5",
  "level_id": "1",
  "image": "http://localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/public/storage/postseQ7heMMreuHQCJ5oo0cgJ7fH4EVm0UJ6W9giRuuN.jpg",
  "updated_at": "2025-04-23T10:53:53.000000Z",
  "created_at": "2025-04-23T10:53:53.000000Z",
  "user_id": 42
}
```

Nama file berubah menjadi nama random.

2. TUGAS

Implementasikan API untuk upload file/gambar pada tabel lainnya yaitu tabel m_barang dan gunakan pada transaksi. Uji coba dengan method GET untuk memanggil data yang sudah di inputkan.

Store data barang yang terdapat image.

localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/public/api/ba... Save Share

POST localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/public/api/ba... Send

Params Authorization Headers (9) Body Scripts Settings Cookies

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

Key	Value	Description
barang_nama	Barang API	
harga_beli	12231	
harga_jual	14421	
image	copy kelud.jpg	

Body Cookies (2) Headers (11) Test Results 201 Created • 281 ms • 757 B

```
{
  "kategori_id": "15",
  "barang_kode": "BarangApi",
  "barang_nama": "Barang API",
  "harga_beli": "12231",
  "harga_jual": "14421",
  "image": "http://localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/public/storage/postsHX0Nd26qir6kX0bpc6wMNwe834cun117W3oGW0Xg.jpg",
  "updated_at": "2025-04-23T11:17:01.000000Z",
  "created_at": "2025-04-23T11:17:01.000000Z"
}
```

Dimunculkan dengan method GET

```
157     "barang_id": 23,  
158     "kategori_id": 15,  
159     "barang_kode": "BarangApi",  
160     "barang_nama": "Barang API",  
161     "image": "http://localhost/PWL-Muhammad-Farrel-Caesarian_2025/Minggu%2011/POS_Jobsheet%2011/  
public/storage/posts/HX0Nd26qrr6kXQbpc6wMNwe834cun117W3oGW0Xg.jpg",  
162     "harga_beli": 12231,  
163     "harga_jual": 14421,  
164     "created_at": "2025-04-23T11:17:01.000000Z",  
165     "updated_at": "2025-04-23T11:17:01.000000Z"  
166 }  
167 ]
```

Terekam di Database

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15 BarangApi

Barang API

HX0Nd26qrr6kXQbpc6wMNwe834cun117W3oGW0Xg.jpg

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