Nama : Dini Elminingtyas

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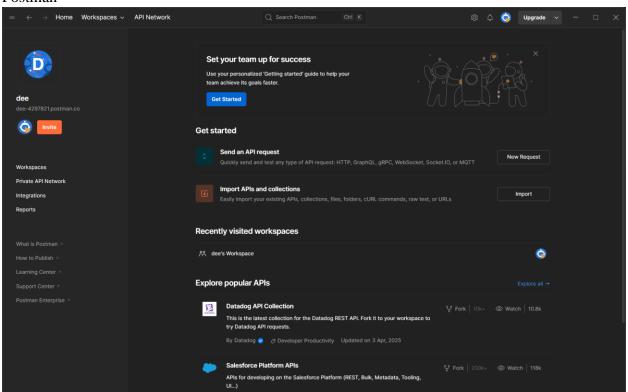
PEMROGRAMAN WEB LANJUT

JOBSHEET

RESTFUL API 2

Praktikum 1 – Implementasi Eloquent Accessor

- Sebelum memulai pastikan REST API, terlebih dahulu pastikan sudah ter instal aplikasi Postman.
 - ⇒ Postman



2. 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_POS> php artisan make:migration add_image_to_m_user_table

INFO Migration [C:\laragon\www\PWL_POS\database\migrations/2024_64_30_640822_add_image_to_m_user_table.php] created successfully.
```

Add migration

PS D:\laragon\www\Pemrograman_Web_Lanjut_2025\Minggu 11 (PWL_POS)> php artisan make:migration add_image_to_m_user_table

INFO Migration [D:\laragon\www\Pemrograman_Web_Lanjut_2025\Minggu 11 (PWL_POS)\database\migrations/2025_04_24_040059_add_image_to_m_user_table.php] created successfully.

3. Buka file migrasi tersebut lalu modifikasi seperti ini lalu simpan:

⇒ Migration

 Lakukan jalankan update migrasi dengan cara: php artisan migrate

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

```
c?php

namespace App\Models;

use Illuminate\Database\Eloquent\Model;
use Tymon\JWTAuth\Contracts\JWTSubject;
use Illuminate\Database\Eloquent\Casts\Attribute;
use Illuminate\Foundation\Auth\User as Authenticatable;
```

□ UserModel

```
app > Models > ♥ UserModel.php > ...
      <?php
      namespace App\Models;
      use Illuminate\Database\Eloquent\Model;
      use Tymon\JWTAuth\Contracts\JWTSubject;
      use Illuminate\Database\Eloquent\Casts\Attribute;
      use Illuminate\Foundation\Auth\User as Authenticatable;
      class UserModel extends Authenticatable implements JWTSubject
          public function getJWTIdentifier(){
              return $this->getKey();
          public function getJWTCustomClaims(){
          protected $table = 'm_user';
          protected $primaryKey = 'user_id';
          protected $fillable = [
               'username',
               'nama',
               'password',
               'level_id',
               'image' // tambahan
          public function level()
               return $this->belongsTo(LevelModel::class, 'level_id', 'level_id');
          protected function image(): Attribute
               return Attribute::make(
                  get: fn ($image) => url('/storage/posts/' . $image),
```

Lakukan modifikasi pada Controllers/Api/RegisterController

```
<?php

namespace App\Http\Controllers\Api;

use App\Models\UserModel;
use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
</pre>
```

⇒ RegisterController

```
app > Http > Controllers > Api > ♠ RegisterController.php > ...
       namespace App\Http\Controllers\Api;
       use App\Models\UserModel;
       use App\Http\Controllers\Controller;
       use Illuminate\Http\Request;
       use Illuminate\Support\Facades\Validator;
       class RegisterController extends Controller
           public function __invoke(Request $request)
               $validator = Validator::make($request->all(), [
                   'username' => 'required',
                   'nama' => 'required',
                   'password' => 'required|min:5|confirmed',
                   'level_id' => 'required',
                    'image' => 'required'
               if ($validator->fails()) {
                   return response()->json($validator->errors(), 422);
               $user = UserModel::create([
                  'username' => $request->username,
                   'nama' => $request->nama,
                   'password' => bcrypt($request->password),
                   'level_id' => $request->level_id,
                   'image' => $request->image
    П
               if ($user) {
                   return response()->json([
                       'success' => true,
                       'user' => $user,
                   'success' => false,
               ], 409);
```

7. Anda dapat menambahkan detail untuk spesifikasi image pada validator

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

⇒ Validator

```
$validator = Validator::make($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',
]);
```

8. Ubah atau tambahkan register1 pada routes/api.php

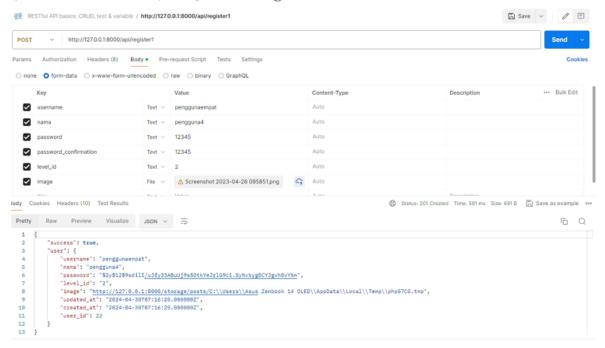
```
Route::post('/register1', App\Http\Controllers\Api\RegisterController::class)->name('register1');

⇒ Routes
```

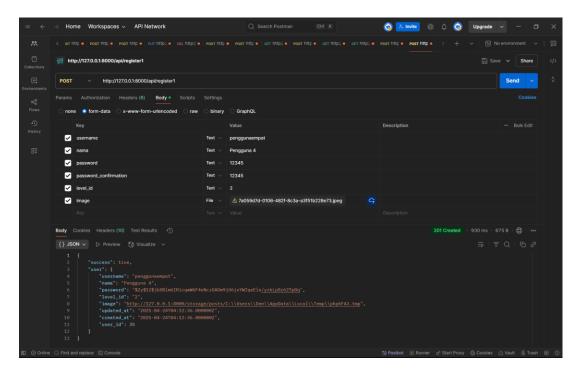
Route::post('/register1', App\Http\Controllers\Api\RegisterController::class)->name('register1');

8. 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



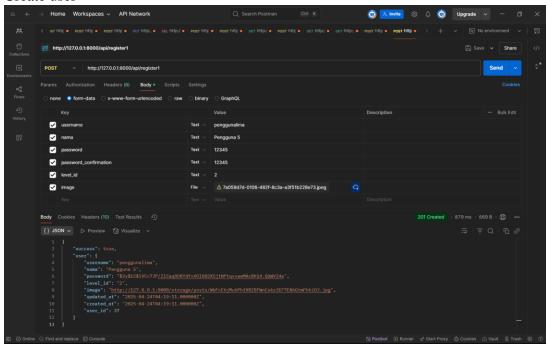
⇒ Postman



9. Pada Controllers/Api/RegisterController bagian create user ganti dengan

```
'image' => $image->hashName(),
```

- 10. Uji coba dan screenshot hasilnya apa perbedaan dari yang sebelumnya



Perbedaannya terletak pada path gambar. Pada percobaan sebelumnya, path image terlihat secara jelas sesuai dengan nama file aslinya. Sedangkan pada percobaan yang sekarang, path-nya disamarkan menggunakan nama acak karena sudah di-*hash*.

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.

⇒ Barang

Upload image m_barang migrations

BarangModel

```
app > Models > ** BarangModel.php > ...

suse Illuminate\Database\Eloquent\Model;
suse Illuminate\Database\Eloquent\Model;
suse Illuminate\Database\Eloquent\Relations\BelongsTo;
suse Illuminate\Database\Eloquent\Casts\Attribute;

class BarangModel extends Model
{
    use HasFactory;
    protected $fable = 'm_barang';
    protected $fable = 'mass assignable.

    **
    protected $fable = 'mass assignable.

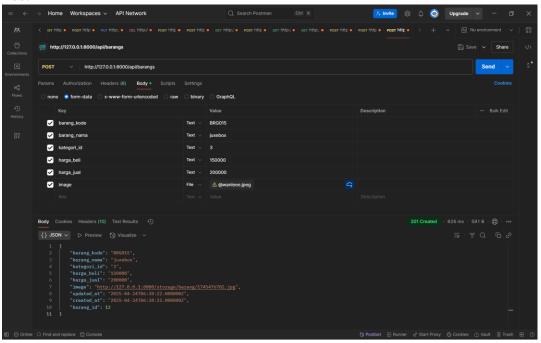
    protected $fable = 'mass
```

- Barang Controller

```
app > Http > Controllers > Api > M BarangController.php > G BarangController
          namespace App\Http\Controllers\Api;
          use App\Http\Controllers\Controller;
          use Illuminate\Http\Request;
          use App\Models\BarangModel;
use Illuminate\Support\Facades\Storage;
use Illuminate\Support\Facades\Validator;
          class BarangController extends Controller
                 public function index()
                        return BarangModel::all();
                  public function store(Request $request)
                         $validator = Validator::make($request->all(), [
                               'barang_kode' => 'required|string|max:100',
'barang_nama' => 'required|string|max:100',
'kategori_id' => 'required|numeric',
                               harga_beli' => 'required|numeric',
'harga_beli' => 'required|numeric',
'harga_jual' => 'required|numeric',
'image' => 'nullable|image|mimes:jpg,jpeg,png|max:2048',
                               return response()->json([
   'success' => false,
   'errors' => $validator->errors()
                        $validated = $validator->validated();
                        if ($request->hasFile('image')) {
   $filename = time() . '.' . $request->image->extension();
   $request->image->storeAs('public/barang', $filename);
   $validated['image'] = $filename;
                        $barang = BarangModel::create($validated);
return response()->json($barang, 201);
```

Postman

Post



Get

