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PRODI : Teknik Informatika
MATKUL : Web Service

Tugas Lumen 1

Copy-an untuk web.php

```
<?php

use Illuminate\Routing\Router;
use Illuminate\Support\Facades\Route;

/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/
// Import Str di awal file
use Illuminate\Support\Str;

// Definisikan route untuk welcome (Lumen memerlukan konfigurasi tambahan untuk
view)
$router->get('/', function () {
    return view('welcome'); // Pastikan view tersedia di resources/views
});

// Definisikan route untuk hello
$router->get('/hello', function () {
    return 'Hello, World!';
});

// Definisikan route untuk menghasilkan key acak
$router->get('/key', function () {
    return Str::random(32); // Menghasilkan string acak sepanjang 32 karakter
});

$router->get('/test-db', function () {
```

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    try {
        DB::connection()->getPdo();
        return "Koneksi ke database berhasil!";
    } catch (\Exception $e) {
        return "Koneksi database gagal: " . $e->getMessage();
    }
});

$router->get('/categories', function () {
    return response()->json(DB::table('categories')->get());
});

/**
 * Get product by ID
 */
$router->get('/products/{id}', function ($id) {
    // Query menggunakan id_product
    $product = DB::table('products')->where('id_product', $id)->first();

    if ($product) {
        return response()->json($product); // Data ditemukan
    }

    // Jika data tidak ditemukan
    return response()->json(['message' => 'Product not found'], 404);
});

/**
 * Create a new product
 */
$router->post('/users', function (\Illuminate\Http\Request $request) {
    $data = $request->only(['name', 'email', 'password', 'role']);

    // Validasi data input
    if (!$data['name'] || !$data['email'] || !$data['password'] || !$data['role']) {
        return response()->json(['message' => 'Invalid data'], 400);
    }

    // Insert ke tabel users
    $id = DB::table('users')->insertGetId([
        'name' => $data['name'],
        'email' => $data['email'],
        'password' => bcrypt($data['password']), // Enkripsi password
    ]);
});

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        'role' => $data['role']
    ]);

    return response()->json(['message' => 'User created', 'id_user' => $id],
201);
});

/**
 * Update a product by ID
 */
$route->put('/products/{id}', function (Illuminate\Http\Request $request, $id) {
    $updated = DB::table('products')->where('id_product', $id)->update($request-
>all());
    if ($updated) {
        return response()->json(['message' => 'Product updated successfully']);
    }
    return response()->json(['message' => 'Product not found'], 404);
});

/**
 * Delete a product by ID
 */
$route->delete('/products/{id}', function ($id) {
    $deleted = DB::table('products')->where('id_product', $id)->delete();
    if ($deleted) {
        return response()->json(['message' => 'Product deleted successfully']);
    }
    return response()->json(['message' => 'Product not found'], 404);
});

```