

Exercise API Project

Backend Programming – Genap 2023/2024

1. Prevent Duplicate Email

Tambahkan mekanisme pengecekan email pada saat create dan update user. Jika email sudah terdaftar sebelumnya, maka kembalikan error dengan status code 409 (EMAIL_ALREADY_TAKEN).

The screenshot shows a POST request to `http://localhost:5000/api/users` with a JSON body: `{ "name": "Nathan1", "email": "test1@example.com", "password": "123456789" }`. The response is a 200 OK status with a JSON body: `{ "name": "Nathan1", "email": "test1@example.com" }`.

The screenshot shows a GET request to `http://localhost:5000/api/users`. The response is a 200 OK status with a JSON array of users: `[{ "id": "660e03d6e022a247ac128", "name": "Administrator", "email": "admin@example.com" }, { "id": "660e0466362e02fd424f388", "name": "Nathan1", "email": "test1@example.com" }, { "id": "660e0d16362e02fd24f38e", "name": "Tyrona", "email": "test2@example.com" }, { "id": "660e0f16362e02fd424f392", "name": "Buchanan", "email": "test3@example.com" }]`.

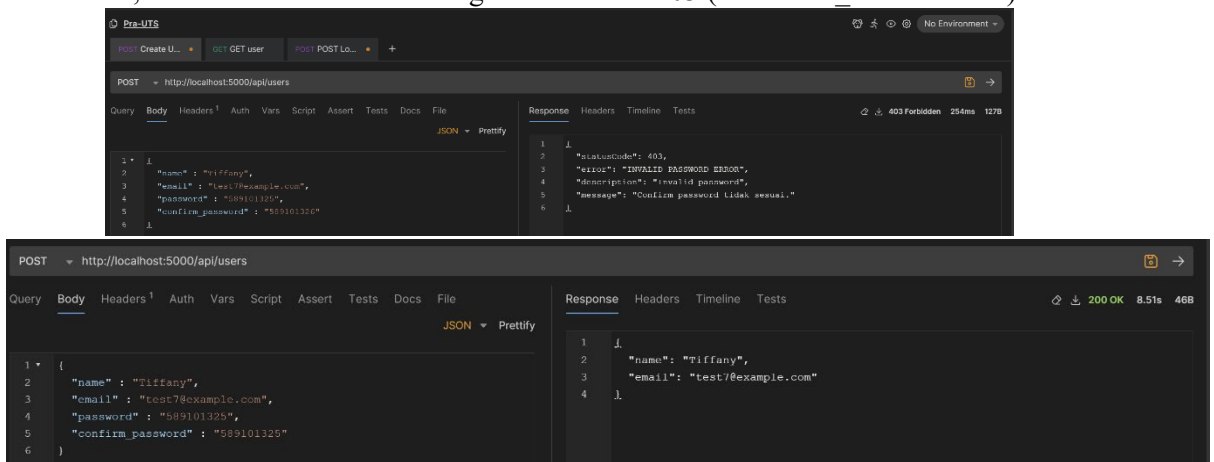
The screenshot shows a POST request to `http://localhost:5000/api/users` with a JSON body: `{ "name": "Mogwan", "email": "test1@example.com", "password": "987654321" }`. The response is a 409 Conflict status with a JSON body: `{ "statusCode": 409, "error": "EMAIL_ALREADY_TAKEN ERROR", "description": "this email already taken, try use another", "message": "failed to create user" }`. A notification "Request saved successfully" is visible at the top.

The screenshot shows a PUT request to `http://localhost:5000/api/users/660e0f16362e02fd424f392` with a JSON body: `{ "name": "James Bond", "email": "test4@example.com" }`. The response is a 200 OK status with a JSON body: `{ "id": "660e0f16362e02fd424f392" }`.

The screenshot shows a GET request to `http://localhost:5000/api/users`. The response is a 200 OK status with a JSON array of users, including the updated user: `[{ "id": "660e03d6e022a247ac128", "name": "Administrator", "email": "admin@example.com" }, { "id": "660e0466362e02fd424f388", "name": "Nathan1", "email": "test1@example.com" }, { "id": "660e0d16362e02fd24f38e", "name": "Tyrona", "email": "test2@example.com" }, { "id": "660e0f16362e02fd424f392", "name": "James Bond", "email": "test4@example.com" }]`.

2. Confirm Password

Tambahkan input `password_confirm` yang perlu diisi pada saat create user baru. Konfirmasi password yang diisi ini harus sama dengan password yang diisi. Jika tidak sama, maka kembalikan error dengan status code 403 (INVALID_PASSWORD).



3. Change Password

Buatlah endpoint baru PATCH `/users/{id}/change-password` untuk mengubah password user. Input yang harus diisi adalah password lama, password baru, dan konfirmasi password baru. Adapun beberapa hal khusus yang perlu diperhatikan:

- Password baru memiliki panjang 6 s/d 32 karakter.
- Konfirmasi password baru harus sama dengan password baru.
- Password lama harus sama dengan password saat ini.

