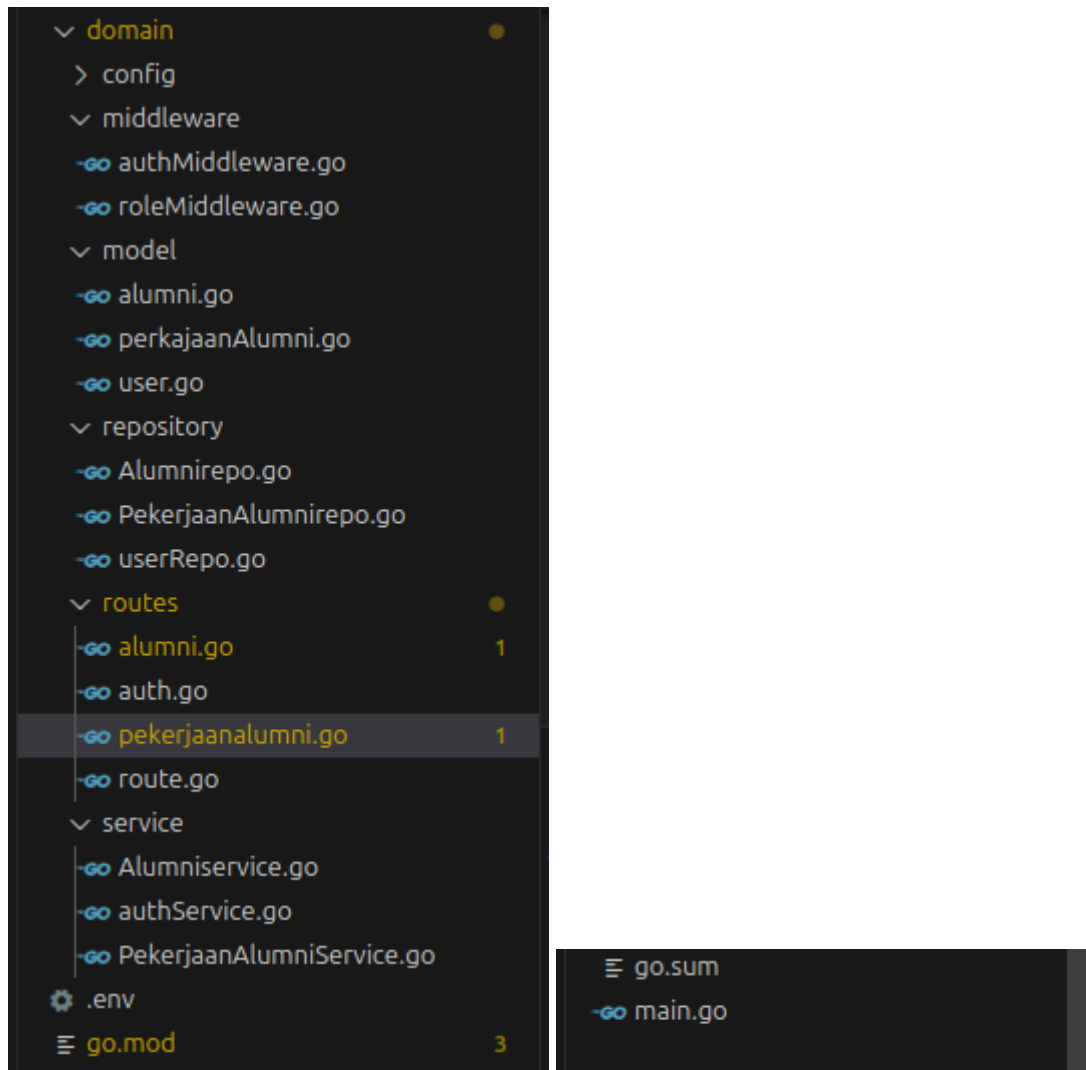


Laporan Autentikasi Sederhana dengan JWT dan Role-Based Access Control (RBAC)

Nama : Fahad Usman

Kelas : TI-C5

NIM : 434231066



- jika email belum ada(belum registrasi)

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/login`. The request body is a JSON object: `{ "email": "Ken@gmail.com", "password": "Ken2004" }`. The response status is `401 Unauthorized`, indicating that the login failed. The response body is a JSON object: `{ "error": "email tidak ditemukan" }`.

```
POST http://localhost:3000/login

{
  "email": "Ken@gmail.com",
  "password": "Ken2004"
}
```

401 Unauthorized • 7 ms • 151 B

```
{
  "error": "email tidak ditemukan"
}
```

- Harus Registrasi terlebih dahulu

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/register`. The request body is a JSON object: `{ "username": "Kenzie", "email": "Ken@gmail.com", "password": "Ken2004", "role": "user" }`. The response status is `201 Created`, indicating that the user was successfully registered. The response body is a JSON object: `{ "message": "user registered successfully", "user": { "id": 0, "email": "Ken@gmail.com", "username": "Kenzie", "password": "", "role": "user" } }`.

```
POST http://localhost:3000/register

{
  "username": "Kenzie",
  "email": "Ken@gmail.com",
  "password": "Ken2004",
  "role": "user"
}
```

201 Created • 326 ms • 244 B

```
{
  "message": "user registered successfully",
  "user": {
    "id": 0,
    "email": "Ken@gmail.com",
    "username": "Kenzie",
    "password": "",
    "role": "user"
  }
}
```

- jika role (user)

POST http://127.0.0.1:3000/alumni

Body (raw):

```

1 {
2   "nim": "434231066",
3   "nama": "Kenzie Maulana",
4   "angkatan": 2023,
5   "tahun_lulus": 2027,
6   "id_fakultas": 123432145,
7   "id_prodi": 654567234,
8   "sumber" : "universitas airlangga"
9 }

```

Response: 403 Forbidden (4 ms, 155 B)

Body (JSON):

```

1 {
2   "error": "forbidden: insufficient role"
3 }

```

- jika role(admin)-masukan token terlebih dahulu

POST http://127.0.0.1:3000/alumni

Headers (10):

| Key | Value | Description |
|---|---|-------------|
| <input checked="" type="checkbox"/> Authorization | Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ... | |
| Key | Value | Description |

```

{
  "nim": "434231067",
  "nama": "Kenzie Maulana",
  "angkatan": 2023,
  "tahun_lulus": 2027,
  "id_fakultas": 63023704,
  "id_prodi": 16877696,
  "sumber" : "universitas airlangga"
}

```

OUTPUT.

```
{
  "alumni": {
    "nim": "434231067",
    "nama": "Kenzie Maulana",
    "angkatan": 2023,
    "tahun_lulus": 2027,
    "id_fakultas": 63023704,
    "id_prodi": 16877696,
    "sumber": "universitas airlangga",
    "created_at": "0001-01-01T00:00:00Z",
    "updated_at": "0001-01-01T00:00:00Z"
  },
  "message": "Berhasil membuat data alumni",
  "success": true
}
```