ภาพรวมของโปรเจ็ด

https://github.com/pomntv/nantavit_agnos_backend

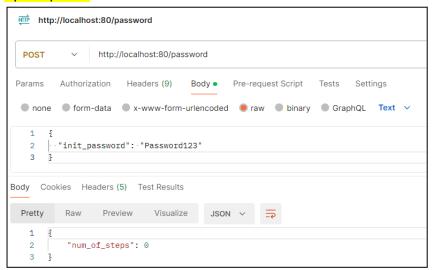
- ใช้ Go with Gin framework ในการจัดการ API ทำงานบน port 3006
- ใช้ Nginx ในการ reverse proxy จาก port 3006 ไปยัง 80
- ใช้ Postgresql ในการเก็บ log request , response ที่พอร์ต 5432
- ใช้ Docker รัน Nginx Postgresql และ backend (ใช้ Air เพื่อ hot reload)

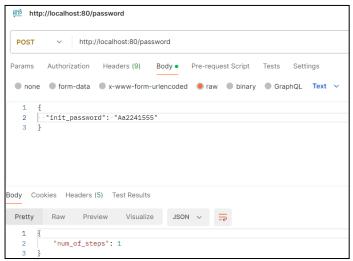
run docker compose up

docker ps

```
51348a16910a nginx:1.13.0-alpine "nginx -g 'daemon of_" 3 hours ago Up 3 minutes 0.0.0.0:80->80/tcp nantavit_agnos_backend-nginx-1 fab962f43b4a postgres:alpine "docker-entrypoint.s_" 3 hours ago Up 4 minutes 0.0.0.0:5432->5432/tcp nantavit_agnos_backend-db-1 c4d817ca4216 nantavit_agnos_backend-web "air ./cmd/main.go -_" 3 hours ago Up 3 minutes 0.0.0.0:3006->3006/tcp nantavit_agnos_backend-web
```

Api response





test case example output

```
PS C:\Users\Pom\Desktop\nantavit_agnos_backend\handlers> go test -v
=== RUN TestValidatePassword
Input Password: Abcdefg123
----> count: 0
Input Password: Abcdefg
----> Password Contains at least 1 digit,
----> count: 1
Input Password: abcdefg123
----> Password Contains at least 1 uppercase letter
----> count: 1
Input Password: ABCDEFG123
----> Password Contains at least 1 lowercase letter
 ----> count: 1
Input Password: Abcde555fga
----> Password does not contain 3 repeating characters
----> count: 1
Input Password: aA1
----> Password length should be between 6 and 19 characters
-----> count: 1
Input Password: Abcd!fg12345678901234
----> Password length should be between 6 and 19 characters
 -----> count: 1
Input Password: A11
----> Password Contains at least 1 lowercase letter
----> Password length should be between 6 and 19 characters
 ----> count: 2
Input Password: a23
----> Password Contains at least 1 uppercase letter
----> Password length should be between 6 and 19 characters
----> count: 2
Input Password: AAA
----> Password Contains at least 1 lowercase letter
 ---> Password Contains at least 1 digit,
----> Password does not contain 3 repeating characters
----> Password length should be between 6 and 19 characters
 ----> count: 4
```

log of request, response on postgres database

```
| Fig. | Column: | Column:
```

divrh	inotrivia=# select * from passwo	ord recommendations:	
id	created_at	updated_at	deleted_at init_password
+			·
1	2024-02-19 14:20:38.731283+00	2024-02-19 14:20:38.731283+00	ff
2	2024-02-19 14:20:42.932101+00	2024-02-19 14:20:42.932101+00	ff
3	2024-02-19 14:29:39.860424+00	2024-02-19 14:29:39.860424+00	ff1
4	2024-02-19 14:33:51.634828+00	2024-02-19 14:33:51.634828+00	ff3
5	2024-02-19 16:18:17.664995+00	2024-02-19 16:18:17.664995+00	ff4
6 I	2024-02-19 21:58:03.856055+00	2024-02-19 21:58:03.856055+00	ff4
7	2024-02-20 05:00:48.594269+00	2024-02-20 05:00:48.594269+00	ff666
8	2024-02-20 05:38:19.884304+00	2024-02-20 05:38:19.884304+00	ff6667
9	2024-02-20 05:46:15.3758+00	2024-02-20 05:46:15.3758+00	ff6667
10	2024-02-20 05:47:27.112193+00	2024-02-20 05:47:27.112193+00	ff6667
11	2024-02-20 05:48:26.959192+00	2024-02-20 05:48:26.959192+00	ff6667
12	2024-02-20 05:53:05.136961+00	2024-02-20 05:53:05.136961+00	ff6667
13	2024-02-20 05:56:14.913712+00	2024-02-20 05:56:14.913712+00	ff6667
14	2024-02-20 05:58:55.529425+00	2024-02-20 05:58:55.529425+00	ff6667
15	2024-02-20 06:00:52.613774+00	2024-02-20 06:00:52.613774+00	ff6667
16	2024-02-20 06:08:05.823049+00	2024-02-20 06:08:05.823049+00	ff6667
17	2024-02-20 06:24:26.576319+00	2024-02-20 06:24:26.576319+00	ff6667E
18	2024-02-20 06:28:11.695181+00	2024-02-20 06:28:11.695181+00	ff6667E
19	2024-02-20 06:29:12.558462+00	2024-02-20 06:29:12.558462+00	ff667E
20	2024-02-20 06:29:22.111381+00	2024-02-20 06:29:22.111381+00	ff667Eaaaa55555
21	2024-02-20 06:34:32.393815+00	2024-02-20 06:34:32.393815+00	ff667Eaaaa5555
22	2024-02-20 06:36:15.599551+00	2024-02-20 06:36:15.599551+00	FFdf5455
23	2024-02-20 06:39:50.077167+00	2024-02-20 06:39:50.077167+00	FFdf5455
24	2024-02-20 06:41:50.220727+00	2024-02-20 06:41:50.220727+00	FFdf545
25	2024-02-20 06:43:50.985716+00	2024-02-20 06:43:50.985716+00	FFdf545
26	2024-02-20 06:45:22.832718+00	2024-02-20 06:45:22.832718+00	FFd545
27	2024-02-20 06:49:32.43533+00	2024-02-20 06:49:32.43533+00	FFdf545
28	2024-02-20 06:51:08.771685+00	2024-02-20 06:51:08.771685+00	FFdf545
29	2024-02-20 07:20:53.960036+00	2024-02-20 07:20:53.960036+00	Password123
30	2024-02-20 07:24:15.111636+00	2024-02-20 07:24:15.111636+00	Password123
31	2024-02-20 07:32:29.523235+00	2024-02-20 07:32:29.523235+00	Password123
32	2024-02-20 08:41:43.621196+00	2024-02-20 08:41:43.621196+00	Password123