

1. The Application Backend is developed in Golang. For HTTP request gin framework is used and for database ORM Gorm(mysql) is used.

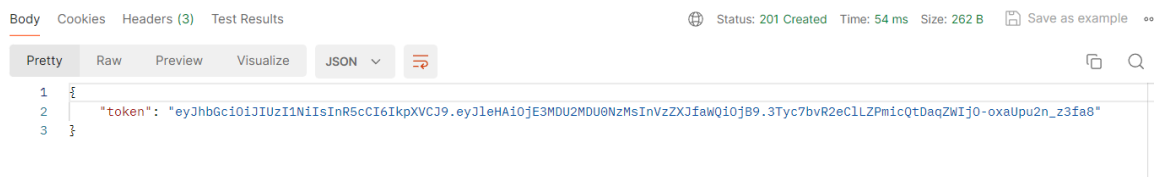
2. Code contains 4 routes :

1) Register :

1. Curl :

```
curl --location 'http://localhost:8080/register' \  
--header 'Content-Type: application/json' \  
--data-raw '{"Name": "aditya", "Phone_Number": "9876543210", "Email":  
"abc@xyz.com", "password": "12345678"}'
```

2. Output :

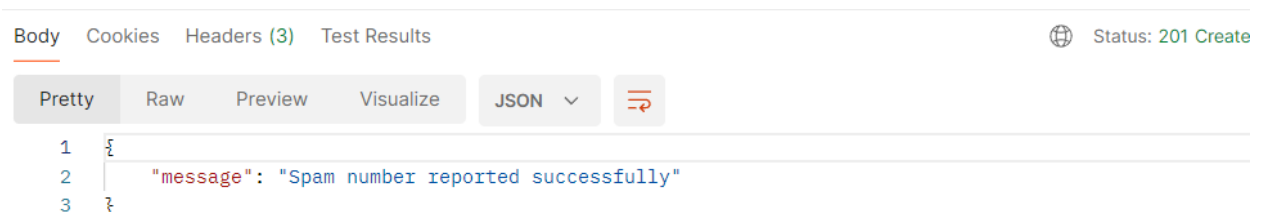


2) Spam Marking:

1. Curl :

```
curl --location 'http://localhost:8080/mark-as-spam' \  
--header 'Content-Type: application/json' \  
--header 'Authorization:  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDU1OTk5MDcsInVzZXJfaWQi  
OjB9.xqNiT1LaXKPSkpml6KSV-AbWEEK4drYuxgKoBFci_T4' \  
--data '{"Number": "98765432183"}'
```

2. Output :

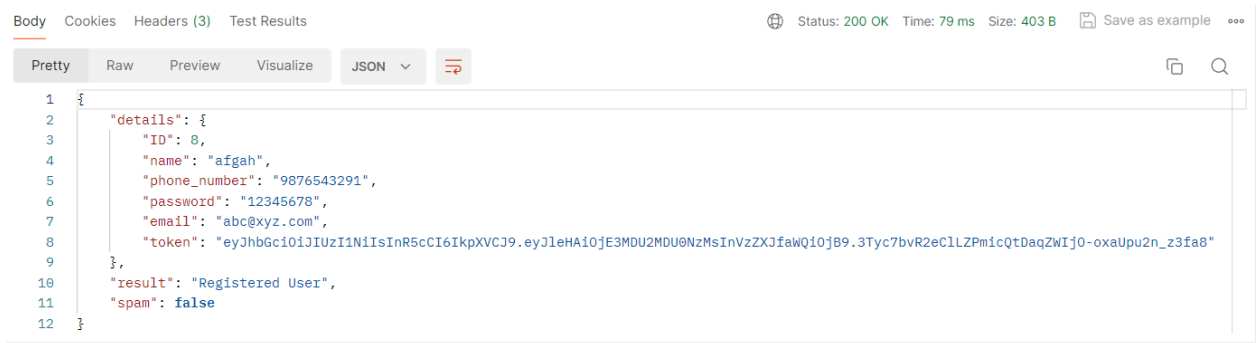


3) Search using Phone Number:

1. Curl :

```
curl --location 'http://localhost:8080/search-by-phone' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDU2MDMyMjQsInVzZXJfaWQiOiJlYm9uZm0H5nltfAnXLOZ1bL9pd9oMmlTLmJKivgfEhnFNhFY' \  
--data '{"Phone_Number": "9876543291"}'
```

2. Output :



```
1 {  
2   "details": {  
3     "ID": 8,  
4     "name": "afgah",  
5     "phone_number": "9876543291",  
6     "password": "12345678",  
7     "email": "abc@xyz.com",  
8     "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDU2MDMyMjQsInVzZXJfaWQiOiJlYm9uZm0H5nltfAnXLOZ1bL9pd9oMmlTLmJKivgfEhnFNhFY0-oxaUpu2n_z3fa8"  
9   },  
10  "result": "Registered User",  
11  "spam": false  
12 }
```

4) Search using name:

1. Curl :

```
curl --location 'http://localhost:8080/search-by-name' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDU2MDMyMjQsInVzZXJfaWQiOiJlYm9uZm0H5nltfAnXLOZ1bL9pd9oMmlTLmJKivgfEhnFNhFY' \  
--data '{"Name": "af"}'
```

2. Output :



```
1 {"results":[{"GlobalUser":{"ID":1,"name":"af","phone_number":"987654329","email":"","MarkAsSpam":false},"GlobalUser":  
2 {"ID":6,"name":"afgah","phone_number":"9876543290","email":"abc@xyz.com"},"MarkAsSpam":false},"GlobalUser":  
3 {"ID":7,"name":"afgah","phone_number":"9876543291","email":"abc@xyz.com"},"MarkAsSpam":false},"GlobalUser":  
4 {"ID":4,"name":"afgeh","phone_number":"987654325","email":"abc@xyz.com"},"MarkAsSpam":false},"GlobalUser":  
5 {"ID":5,"name":"afgeh","phone_number":"9876543251","email":"abc@xyz.com"},"MarkAsSpam":false},"GlobalUser":  
6 {"ID":2,"name":"afgh","phone_number":"9876543219","email":"","MarkAsSpam":true},"GlobalUser":  
7 {"ID":3,"name":"afgh","phone_number":"9876543218","email":"","MarkAsSpam":false}]}
```

3. Have created 3 table for registered users, global data and spam numbers.
4. Make changes in .env file according to your system.