Mail Delivery Scheduler API DOCUMENTATION

1) To Visit HomePage or welcome to express server page:

Link: http://localhost:3307/

2) Get list of all the users in database

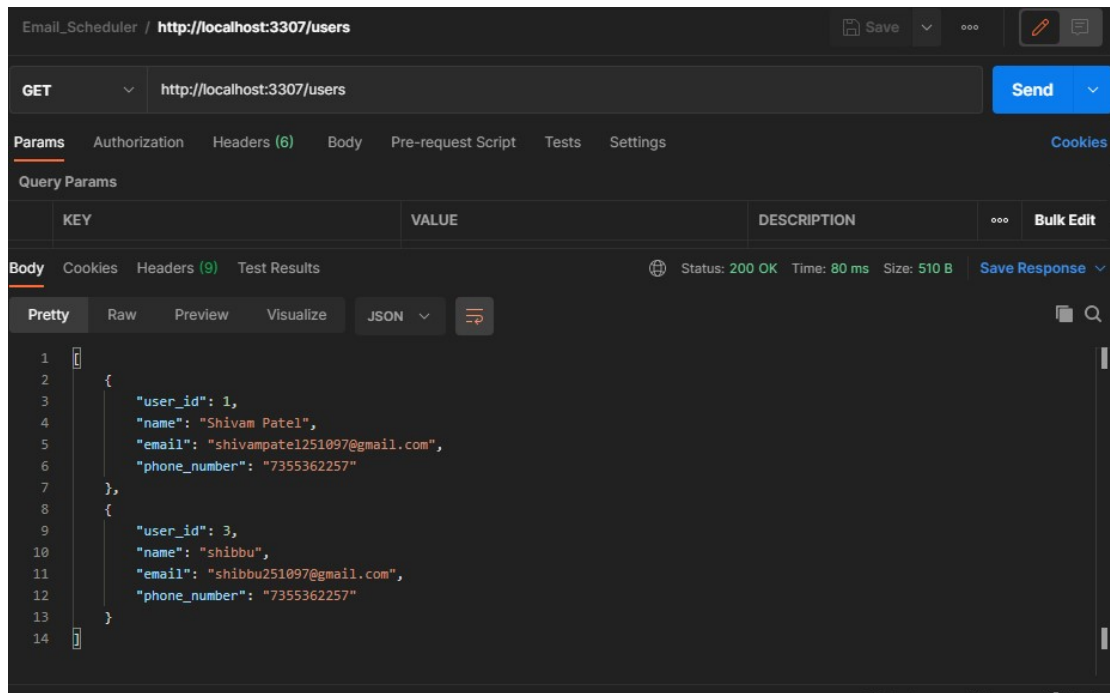**Endpoint**: http://localhost:3307/users

Method: **GET**

Response: [

```
  {

    "user_id": 1,

    "name": "Shivam Patel",

    "email": "shivampatel251097@gmail.com",

    "phone_number": "7355362257"

  },

  {

    "user_id": 3,

    "name": "shibbu",

    "email": "shibbu251097@gmail.com",

    "phone_number": "7355362257"

  }

]
```

Screenshot of Request from Postman:
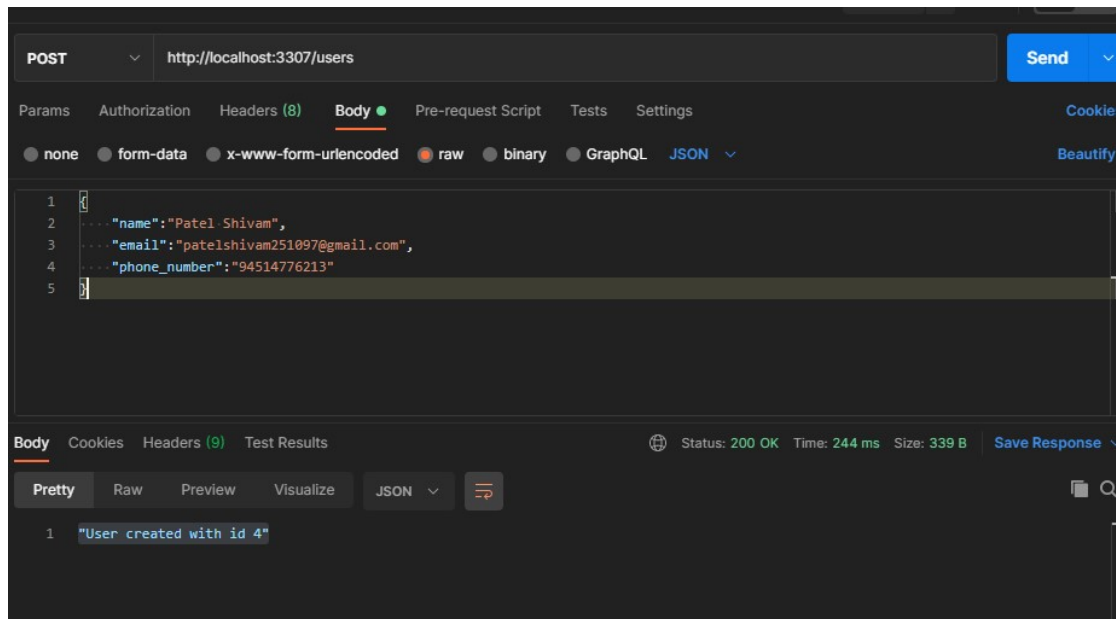
3) Add new User in mail user list

Endpoint: http://localhost:3307/users

Method: **POST**

Body: : raw/JSON

{

   "name":"shibbu",

   "email":"shibbu251097@gmail.com",

   "phone_number":"7355362257"

}

Response: "User created with id 4"

Screenshot of Request from Postman:

4) Update User in list by user_id
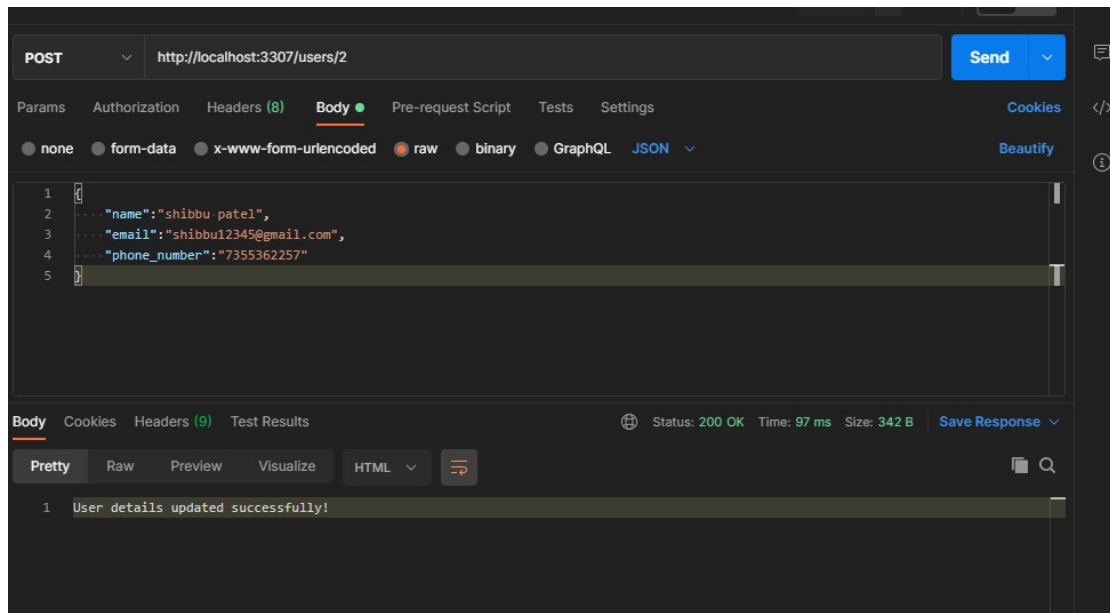
Endpoint: http://localhost:3307/users/2

Method: POST

Body: raw/JSON

{

   "name":"shibbu patel",

   "email":"shibbu12345@gmail.com",

   "phone_number":"7355362257"

}

Response:User details updated successfully!

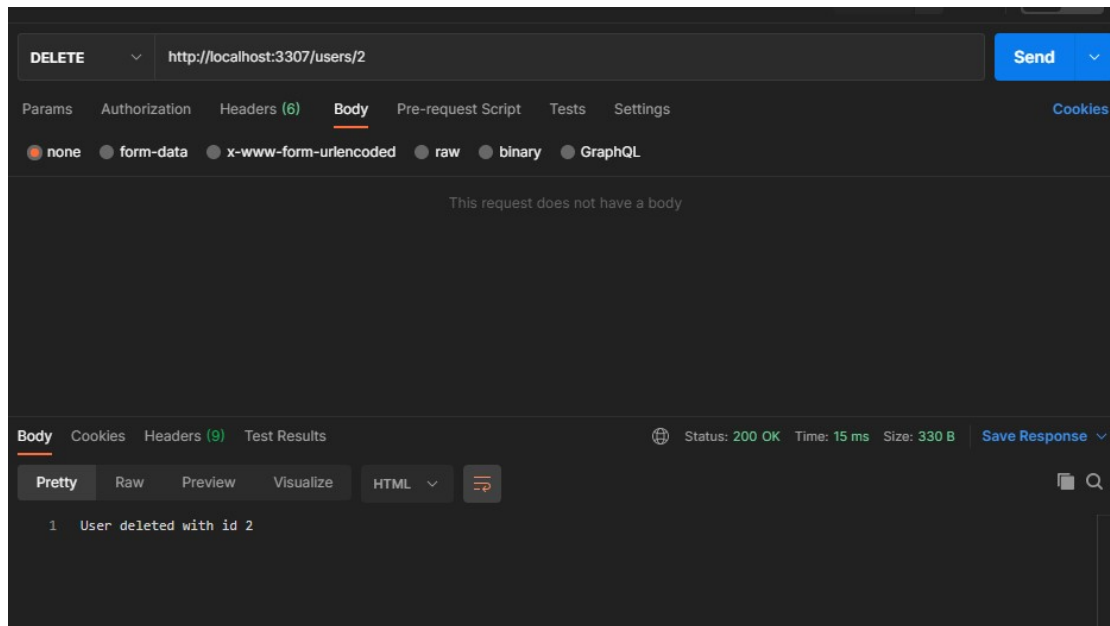**Screenshot of Request from Postman:**

5) Delete User from list by user_id

Endpoint: http://localhost:3307/users/2

Method: DELETE

Body: : raw/JSON

Response:User deleted with id 2

Screenshot of Request from Postman:

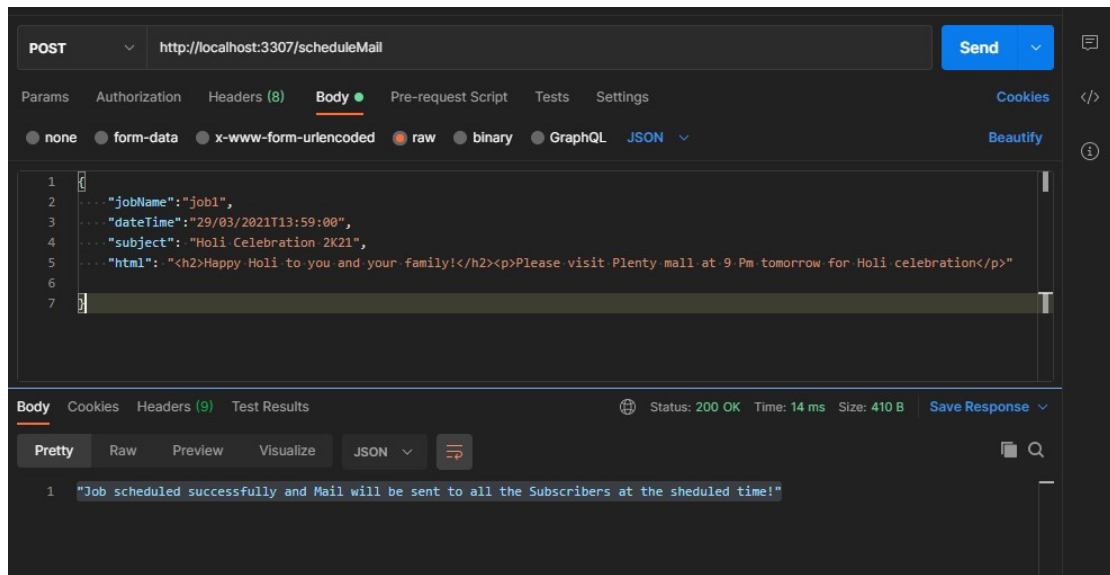**6) Schedule job which sents mail to each and every mail id in user_list**

Endpoint: http://localhost:3307/scheduleMail

Method: **POST**

Body: raw/JSON
{

   "jobName":"job1",

   "dateTime":"29/03/2021T13:59:00",

   "subject": "Holi Celebration 2K21",

   "html": "<h2>Happy Holi to you and your family!</h2><p>Please visit Plenty mall at 9 Pm tomorrow for Holi celebration</p>"

}

Response: "Job scheduled successfully and Mail will be sent to all the Subscribers at the sheduled time!"
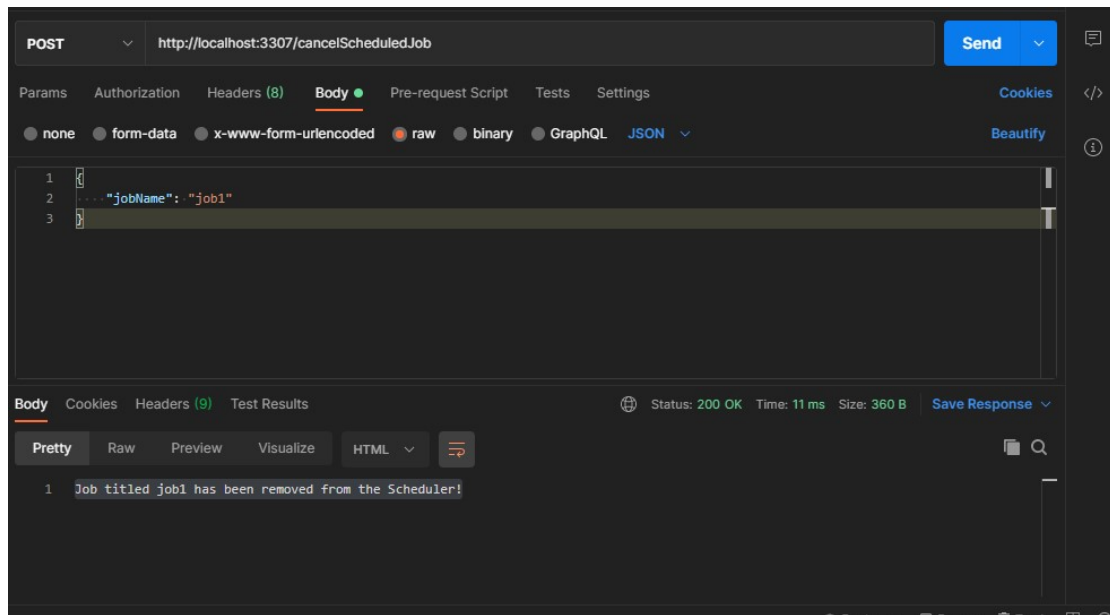
7) Cancel Shceduled Job

Endpoint: http://localhost:3307/cancelScheduledJob

Method: **POST**

Body: : raw/JSON

{

   "jobName": "job1"

}

Response: Job titled job1 has been removed from the Scheduler!

8) Reschedule scheduled job

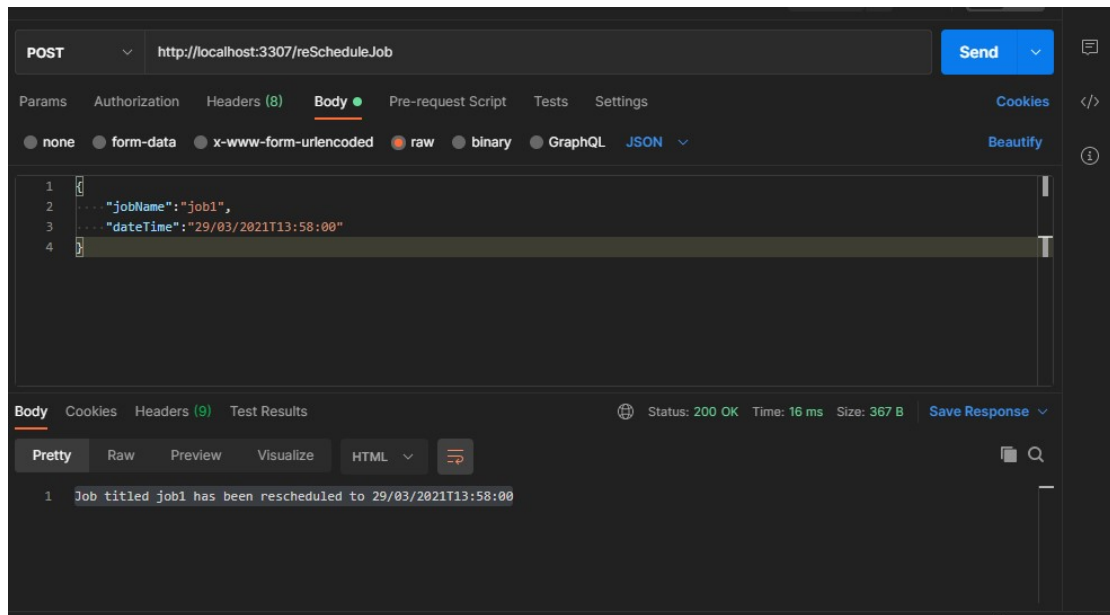**Endpoint**: http://localhost:3307/reScheduleJob

Method: **POST**

Body: : raw/JSON
{

   "jobName":"job1",

   "dateTime":"29/03/2021T13:58:00"

}

Response: Job titled job1 has been rescheduled to 29/03/2021T13:58:00

Screenshot:

Database Architecture: It has only 1 table user_list which has 4 fields.