

# Spring Rest Services Assignment

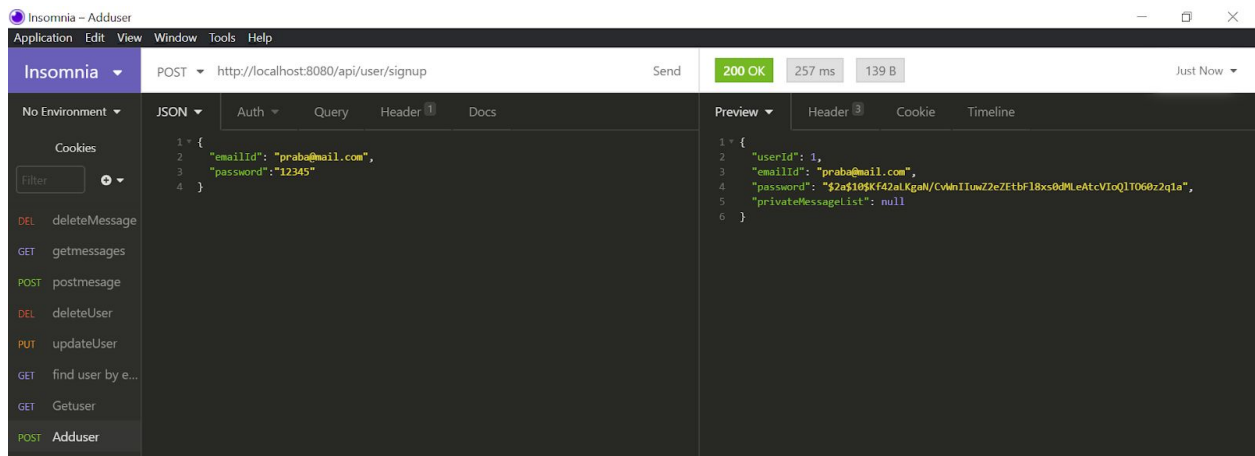
**Prabhakar**

## Tasks:

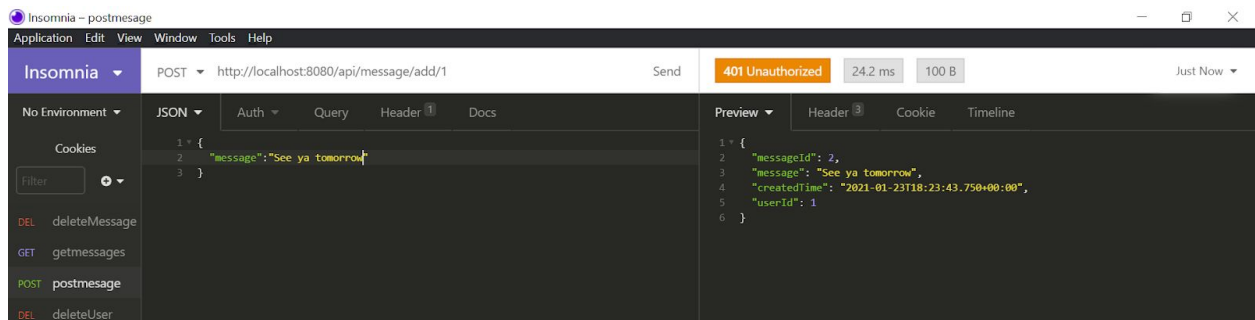
- Create a rest service with following endpoints : Get, Put, Post, Delete
- Use any DB to persist your data
- Use a password encoder to hash passwords

## Rest Services:

### Post - Add user :



### Add message:



## GET - Get User by Id:

The screenshot shows the Insomnia application window titled "Insomnia - Getuser". The interface includes a menu bar (Application, Edit, View, Window, Tools, Help) and a toolbar with "Send" and status indicators (200 OK, 9.76 ms, 337 B). The left sidebar shows a list of endpoints, with "Getuser" selected. The main panel displays the request details for a GET request to "http://localhost:8080/api/user/get/1". The response body is a JSON object:

```
1 {
2   "userId": 1,
3   "emailId": "praba@mail.com",
4   "password": "$2a$10$Kf42aLKgaM/CvMnIIuwZ2eZEtbf18xs0dMLeAtcVioQ1T060z2q1a",
5   "privateMessageList": [
6     {
7       "messageId": 1,
8       "message": "Good night bro",
9       "createdTime": "2021-01-23T18:23:15.833+00:00",
10      "userId": 1
11    },
12    {
13      "messageId": 2,
14      "message": "See ya tomorrow",
15      "createdTime": "2021-01-23T18:23:43.750+00:00",
16      "userId": 1
17    }
18  ]
19 }
```

## Get User by Mail:

The screenshot shows the Insomnia application window titled "Insomnia - find user by email". The interface includes a menu bar (Application, Edit, View, Window, Tools, Help) and a toolbar with "Send" and status indicators (200 OK, 118 ms, 339 B). The left sidebar shows a list of endpoints, with "find user by e..." selected. The main panel displays the request details for a GET request to "http://localhost:8080/api/user/get/email/praba@mail.com". The response body is a JSON object:

```
1 [
2   {
3     "userId": 1,
4     "emailId": "praba@mail.com",
5     "password": "$2a$10$Kf42aLKgaM/CvMnIIuwZ2eZEtbf18xs0dMLeAtcVioQ1T060z2q1a",
6     "privateMessageList": [
7       {
8         "messageId": 1,
9         "message": "Good night bro",
10        "createdTime": "2021-01-23T18:23:15.833+00:00",
11        "userId": 1
12      },
13      {
14        "messageId": 2,
15        "message": "See ya tomorrow",
16        "createdTime": "2021-01-23T18:23:43.750+00:00",
17        "userId": 1
18      }
19    ]
20  }
21 ]
```

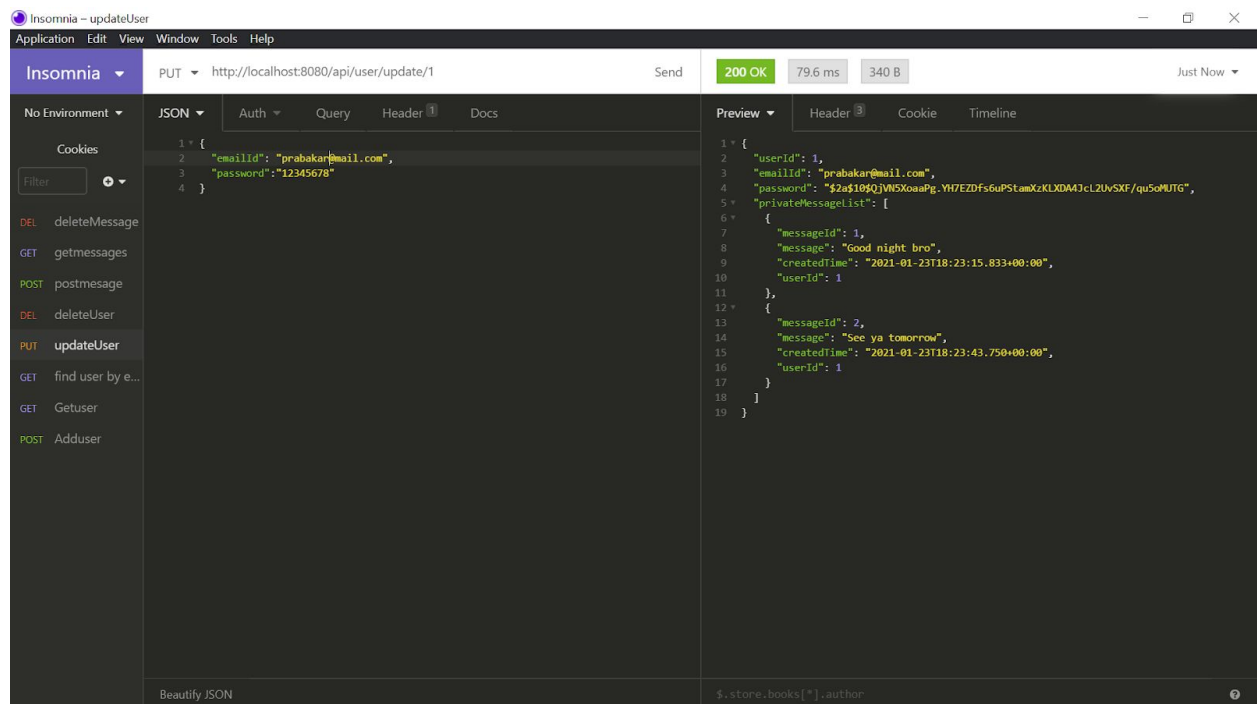
## Get Messages by user Id:

The screenshot shows the Insomnia application window titled "Insomnia - getmessages". The interface includes a menu bar (Application, Edit, View, Window, Tools, Help) and a toolbar with "Send" and status indicators (200 OK, 74.6 ms, 202 B). The left sidebar shows a list of endpoints, with "getmessages" selected. The main panel displays the request details for a GET request to "http://localhost:8080/api/message/get/1". The response body is a JSON array of message objects:

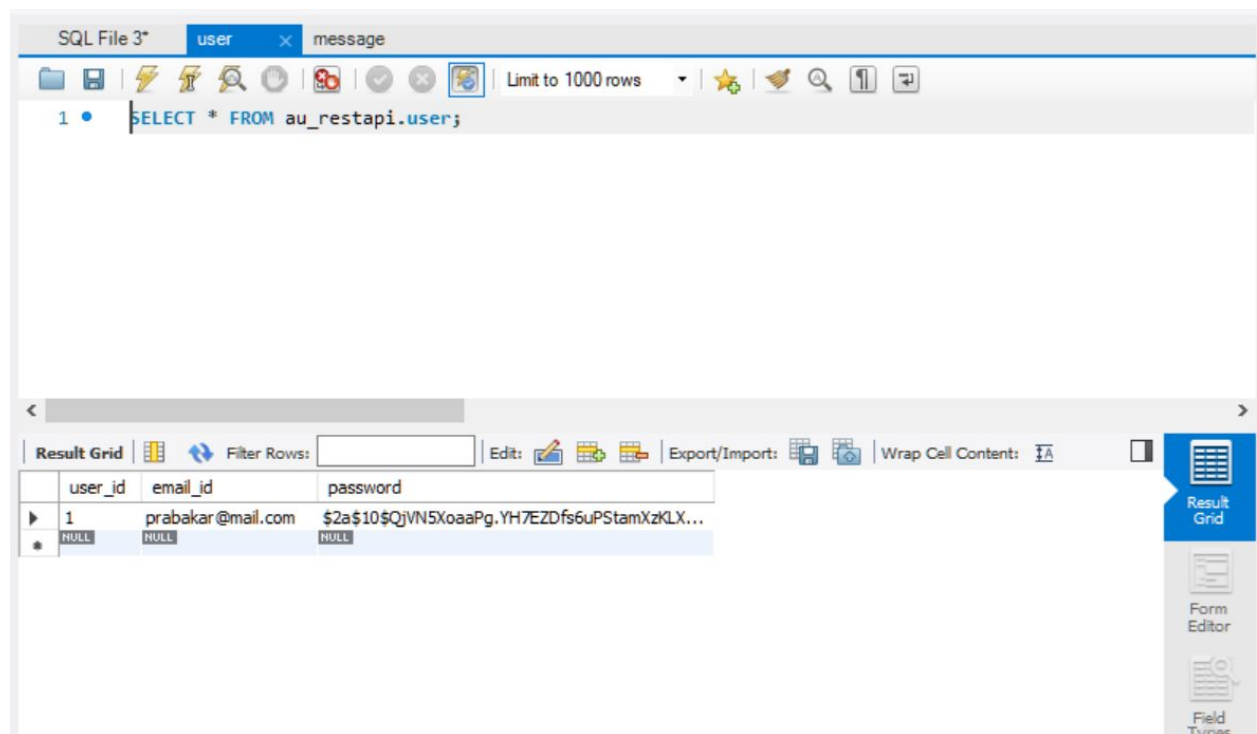
```
1 [
2   {
3     "messageId": 1,
4     "message": "Good night bro",
5     "createdTime": "2021-01-23T18:23:15.833+00:00",
6     "userId": 1
7   },
8   {
9     "messageId": 2,
10    "message": "See ya tomorrow",
11    "createdTime": "2021-01-23T18:23:43.750+00:00",
12    "userId": 1
13  }
14 ]
```

## PUT - Update user details:

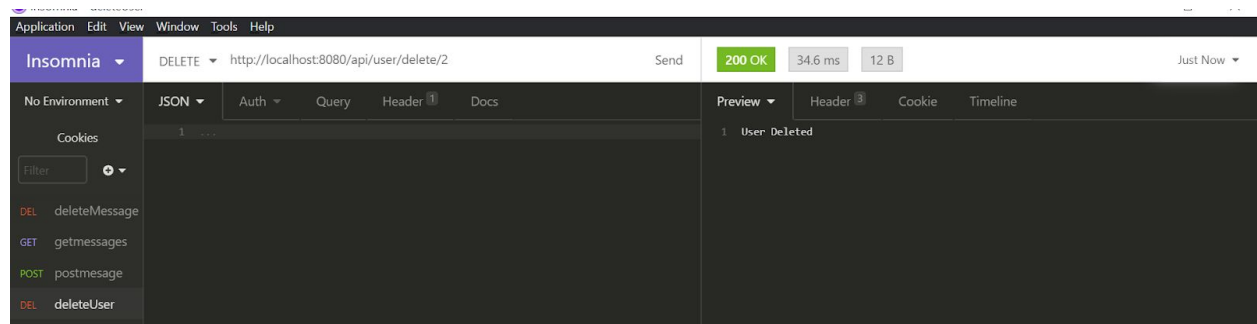
- Updated user email and password



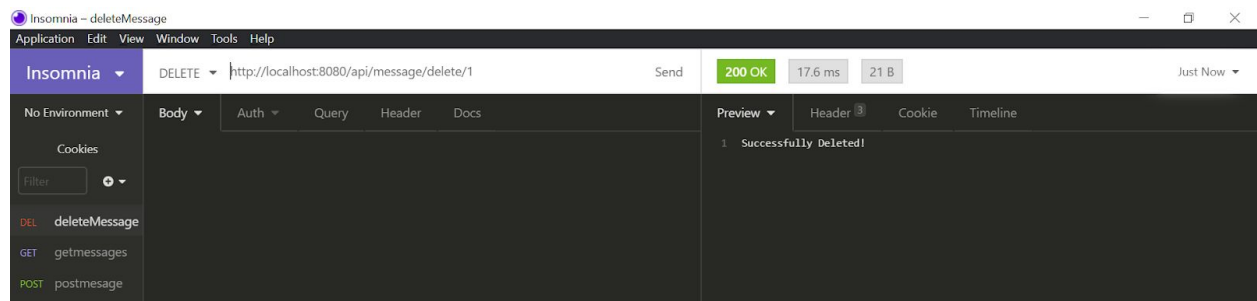
- Updated user in DB
- Used encoder to hash the password



## DELETE - Delete user:



## Delete message:



## Message deleted in DB:

