

Spring Rest Services Assignment

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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

User Signup(POST)

The screenshot displays a REST client interface for a POST request to `http://localhost:8080/api/user/signup/`. The 'Body' tab is selected, showing a JSON payload with `emailId` and `password` fields. Below the request, the 'Body' tab of the response is shown, displaying a JSON object with `id`, `emailId`, and `privateMessages` fields.

Request:

```
1 {
2   "emailId": "suryamaithreyan@gmail.com",
3   "password": "123"
4 }
```

Response:

```
1 {
2   "id": 1,
3   "emailId": "suryamaithreyan@gmail.com",
4   "privateMessages": null
5 }
```

User Table

	id	email_id	password
▶	1	suryamaithey@gmail.com	\$2a\$10\$.MLz8z0nec8BtP5ZvucWl.dBcAHt5EHM...
	2	ashwin@gmail.com	\$2a\$10\$ppiBt3MugXMuXoD1GRKNle3i2UV2G7W...
	3	arun@gmail.com	\$2a\$10\$/dy8pkaNNSkMWy5Kr2sBre.rv4cdN8BhD...
✱	NULL	NULL	NULL

Send Message (POST)

POST

http://localhost:8080/api/message/add/1

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "message": "hey maith"
3 }
```

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "id": 1,
3   "message": "hey maith",
4   "createdTime": "2021-01-26T16:37:33.009+00:00",
5   "userId": 1
6 }
```

Message Table

	id	created_time	message	user_id
▶	1	2021-01-26 22:07:33.009000	hey maith	1
	2	2021-01-26 22:08:53.278000	Welcome	1
	3	2021-01-26 22:09:04.323000	ashwin jii	2
	4	2021-01-26 22:09:18.943000	mrngg	3
•	NULL	NULL	NULL	NULL

Get userdata by ID (GET) password in Header

GET
http://localhost:8080/api/user/get/3

Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings

Headers
7 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	password	qwe
	Key	Value

Body
Cookies
Headers (5)
Test Results

Pretty
Raw
Preview
Visualize
JSON

```

1  {
2    "id": 3,
3    "emailId": "arun@gmail.com",
4    "privateMessages": [
5      {
6        "id": 4,
7        "message": "mrngg",
8        "createdTime": "2021-01-26T16:39:18.943+00:00",
9        "userId": 3
10     }
11   ]
12 }

```

Get Messages of User (GET) password as Header

GET

▼

http://localhost:8080/api/message/get/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Headers

👁 7 hidden

	KEY	VALUE
✓	password	123
	Key	Value

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

↺

```
2  {
3    "id": 2,
4    "message": "Welcome",
5    "createdTime": "2021-01-26T16:38:53.278+00:00",
6    "userId": 1
7  },
8  {
9    "id": 1,
10   "message": "hey maith",
11   "createdTime": "2021-01-26T16:37:33.009+00:00",
12   "userId": 1
13 }
```

Wrong Credentials

GET

▼

http://localhost:8080/api/message/get/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Headers

👁 7 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	password	12
	Key	Value

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

Text ▼

↺

1

Invalid login

Get User Data From Email

GET

▼

http://localhost:8080/api/user/get/email/suryamaithreyan@gmail.com

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Headers

👁 7 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	password	123
	Key	Value

Body

Cookies

Headers (6)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

🔧

```
1 {
2   "id": 1,
3   "emailId": "suryamaithreyan@gmail.com",
4   "privateMessages": [
5     {
6       "id": 1,
7       "message": "hey maith",
8       "createdTime": "2021-01-26T16:37:33.009+00:00",
9       "userId": 1
10    },
11    {
12      "id": 2,
```

Update User Details (PUT)

PUT

http://localhost:8080/api/user/update/2

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON

```
1 {
2   "emailId": "ashwin_updated@gmail.com",
3   "password": "qwerty"
4 }
```

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

JSON



```
1 {
2   "id": 2,
3   "emailId": "ashwin_updated@gmail.com",
4   "privateMessages": [
5     {
6       "id": 3,
7       "message": "ashwin jii",
8       "createdTime": "2021-01-26T16:39:04.323+00:00",
9       "userId": 2
10    }
11  ]
12 }
```

Delete User (DELETE)

DELETE

http://localhost:8080/api/user/delete/3

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

S

☐ none

☐ form-data

☐ x-www-form-urlencoded


☒ raw

☐ binary

☐ GraphQL

1

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize Text 

1 User Deleted

	id	email_id	password
▶	1	suryamaithreyan@gmail.com	\$2a\$10\$.MLz8z0nec8BtP5ZvucWl.dBcAht5EHM...
	2	ashwin_updated@gmail.com	\$2a\$10\$mz5DosDEMw8eV3U0SrSbROD2SfiE8X...
★	NULL	NULL	NULL

id	created_time	message	user_id
1	2021-01-26 22:07:33.009000	hey maith	1
2	2021-01-26 22:08:53.278000	Welcome	1
3	2021-01-26 22:09:04.323000	ashwin jii	2
NULL	NULL	NULL	NULL

- users message is also deleted.

Delete Message (DELETE)

DELETE ▼

http://localhost:8080/api/message/delete/2

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Se

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

1

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

Visualize

Text ▼



1

Successfully Deleted!

	id	created_time	message	user_id
▶	1	2021-01-26 22:07:33.009000	hey maith	1
	3	2021-01-26 22:09:04.323000	ashwin jii	2
*	NULL	NULL	NULL	NULL