

Advanced Software Engineering:

Assignment 3: RESTful API

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2. Signup.

http://localhost:5000/users/adduser

Save

POST

http://localhost:5000/users/adduser

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1
2  ... "Address": "main street ",
3  ... "Password": "123",
4  ... "Birthday": "2008-10-12",
5  ... "Fullname": "mona sameeh",
6  ... "Username": "mona"
7
8
```

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 57 ms

Size: 272 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1
2  "result": "user added successfuley"
3
```

```
Debugger attached.
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
Connected!
user added successfuley
POST /users/adduser 200 43.271 ms - 37

```

+ Options

← T →

id

Username

Fullname

Birthday

Password

Address

☐

Edit

Copy

Delete

692

salam

salam sami

2001-05-11

123

main street

☐

Edit

Copy

Delete

693

amany

amany abd

2000-02-8

123

main street ramallah

☐

Edit

Copy

Delete

694

ansam

ansam abd

2003-02-24

123

main street ramallah

☐

Edit

Copy

Delete

695

noor

noor shanteer

2000-09-14

123

main street

☐

Edit

Copy

Delete

696

omama

omama kittaneh

2000-06-12

123

main street

☐

Edit

Copy

Delete

697

mona

mona sameeh

2008-10-12

123

main street

↑

☐ Check all

With selected:

Edit

Copy

Delete

Export

1. Login

http://localhost:5000/users/loginuser

Save

POST

http://localhost:5000/users/loginuser

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   ... "Password": "123",
3   ... "Username": "amany"
4 }
```

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 47 ms

Size: 526 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "result": [
3     {
4       "id": 693,
5       "Username": "amany",
6       "Fullname": "amany abd",
7       "Birthday": "2000-02-8",
8       "Password": "123",
9       "Address": "main street ramallah"
10    }
11  ],
12  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NjkzLCJpYXQiOiJlE2NzA3NzI2NjMsImV4cCI6MTY3MTM3NzQ2M30uAM10F8TSZYQ6PoqmqB0iIihhWwBxMdoanSPQpo2Q"
13 }
```

```
POST /users/loginuser 200 45.127 ms - 526 B
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
Connected!
user is exist
POST /users/loginuser 200 32.135 ms - 289 B
```

3.Add new tweet.

<http://localhost:5000/tweet/addtweet>

POST

▼

http://localhost:5000/tweet/addtweet

Params

Authorization

Headers (9)

Body ●

Pre-request Script

Tests

Settings

Headers

👁 8 hidden

	KEY	VALUE
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NjkzLCJpYXQiOiJE
	Key	Value

Response

The screenshot shows the Postman interface with a POST request to `http://localhost:5000/tweet/addtweet`. The request body is a JSON object:

























```
{  "Date": "2023-11-16",  "Hashtag": "#good",  "Description": "good morning"}
```

The response status is 200 OK, and the response body is a JSON object:

```
{  "result": "Tweet added successfully"}
```

```
POST /users/loginuser 200 32.135 ms - 289
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
OK1
OK
693
OK2
Connected!
Tweet added successfully
POST /tweet/addtweet 200 48.133 ms - 38
```

+ Options

				id	UserId	Description	Hashtag	Date
<input type="checkbox"/>	 Edit	 Copy	 Delete	1033	693	where ..	#tweet	2022-12-11
<input type="checkbox"/>	 Edit	 Copy	 Delete	1034	693	rrrrrr	#rr	2022-12-11
<input type="checkbox"/>	 Edit	 Copy	 Delete	1035	693	ok. fine ..	#ok	2022-12-12
<input type="checkbox"/>	 Edit	 Copy	 Delete	1036	695	no. ggg	#gg	2022-11-11
<input type="checkbox"/>	 Edit	 Copy	 Delete	1037	695	uuu	#d1	2023-11-16
<input type="checkbox"/>	 Edit	 Copy	 Delete	1039	696	nooo	#no	2024-04-17
<input type="checkbox"/>	 Edit	 Copy	 Delete	1040	696	thanks	#kk1	2023-11-16
<input type="checkbox"/>	 Edit	 Copy	 Delete	1041	693	good morning	#good	2023-11-16



☐ Check all

With selected:

 Edit

 Copy

 Delete

 Export

5. Edit a tweet.

http://localhost:5000/tweet/updatetweet/1041

Save

POST

http://localhost:5000/tweet/updatetweet/1041

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON

Cookies

Beautify

1

2

3

4

5

```
{
  "Date": "2024-04-17",
  "Hashtag": "#tt",
  "Description": "ttt"
}
```

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

```
{
  "result": "Tweet update successfuley"
}
```

+ Options

				id	UserId	Description	Hashtag	Date
<input type="checkbox"/>	Edit	Copy	Delete	1033	693	where ..	#tweet	2022-12-11
<input type="checkbox"/>	Edit	Copy	Delete	1034	693	rrrrrr	#rr	2022-12-11
<input type="checkbox"/>	Edit	Copy	Delete	1035	693	ok. fine ..	#ok	2022-12-12
<input type="checkbox"/>	Edit	Copy	Delete	1036	695	no. ggg	#gg	2022-11-11
<input type="checkbox"/>	Edit	Copy	Delete	1037	695	uuu	#d1	2023-11-16
<input type="checkbox"/>	Edit	Copy	Delete	1039	696	nooo	#no	2024-04-17
<input type="checkbox"/>	Edit	Copy	Delete	1040	696	thanks	#kk1	2023-11-16
<input type="checkbox"/>	Edit	Copy	Delete	1041	693	ttt	#tt	2024-04-17

☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

```
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
1 record(s) updated
POST /tweet/updatetweet/1041 200 30.434 ms - 39
█
```

4. Delete a tweet

http://localhost:5000/tweet/deletetweet

DELETE http://localhost:5000/tweet/deletetweet

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

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   ... "id": "1041"
3 }
```

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 59 ms Size: 274 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "result": "Tweet delete successfuley"
3 }
```

```
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
Number of records deleted: 1
DELETE /tweet/deletetweet 200 41.311 ms - 39
[]
```

+ Options

				id	UserId	Description	Hashtag	Date
<input type="checkbox"/>	Edit	Copy	Delete	1033	693	where ..	#tweet	2022-12-11
<input type="checkbox"/>	Edit	Copy	Delete	1034	693	rrrrrr	#rr	2022-12-11
<input type="checkbox"/>	Edit	Copy	Delete	1035	693	ok. fine ..	#ok	2022-12-12
<input type="checkbox"/>	Edit	Copy	Delete	1036	695	no. ggg	#gg	2022-11-11
<input type="checkbox"/>	Edit	Copy	Delete	1037	695	uuu	#d1	2023-11-16
<input type="checkbox"/>	Edit	Copy	Delete	1039	696	nooo	#no	2024-04-17
<input type="checkbox"/>	Edit	Copy	Delete	1040	696	thanks	#kk1	2023-11-16



☐ Check all

With selected:



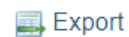
Edit



Copy



Delete



Export

6. Retrieve all tweets (use paging)

http://localhost:5000/tweet/RetAlltweets/1/2

POST http://localhost:5000/tweet/RetAlltweets/1/2

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

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1
2
3

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 44 ms Size: 411 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {  
2   "id": 1833,  
3   "UserId": 693,  
4   "Description": "where .. ",  
5   "Hashtag": "#tweet",  
6   "Date": "2022-12-11"  
7 }  
8 ,  
9 {  
10   "id": 1834,  
11   "UserId": 693,  
12   "Description": "!!!!!!",  
13   "Hashtag": "#ir",  
14   "Date": "2022-12-11"  
15 }  
16 }
```

http://localhost:5000/tweet/RetAlltweets/2/2

POST http://localhost:5000/tweet/RetAlltweets/2/2

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

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1
2
3

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 42 ms Size: 325 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {  
2   "id": 1835,  
3   "UserId": 693,  
4   "Description": "ok. fine ..",  
5   "Hashtag": "#ok",  
6   "Date": "2022-12-12"  
7 }  
8 }  
9 }
```



```
POST /tweet/RetAlltweets/2/2 200 29.993 ms - 90
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
Retrieve all tweets successfulley
POST /tweet/RetAlltweets/2/2 200 29.993 ms - 90
[]
```

19. Comment on a tweet

http://localhost:5000/users/addcommentONTweet

Save

POST

http://localhost:5000/users/addcommentONTweet

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

5

[{"Date": "2022-09-16", "Description": "nooo", "TweetId": "1036"}]

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 60 ms

Size: 275 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

["result": "Comment added successfulley"]

http://localhost:5000/users/addcommentONTweet

Save

</>

POST

http://localhost:5000/users/addcommentONTweet

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies
















Headers

8 hidden

	KEY	VALUE	DESCRIPTION		Bulk Edit	Presets
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6ImkzLCJpYXQiOiJl				
	Key	Value	Description			

Response

+ Options

				id	UserId	Description	TweetId	Date			
<input type="checkbox"/>		Edit		Copy		Delete	142	696	hhhhh	1040	2022-09-12
<input type="checkbox"/>		Edit		Copy		Delete	143	696	ok ok	1040	2022-09-12
<input type="checkbox"/>		Edit		Copy		Delete	144	693	no why	1040	2022-09-12
<input type="checkbox"/>		Edit		Copy		Delete	145	693	good	1036	2022-09-12
<input type="checkbox"/>		Edit		Copy		Delete	147	693	nooo	1036	2022-09-16

20. Retrieve tweet comments (use paging)

The screenshot displays two Postman requests for retrieving tweet comments. Both requests are POSTs to the endpoint `http://localhost:5000/users/Retweetscomment/2/2` (the first request in the image is labeled 1/2, the second 2/2).

Request 1 (Top): `POST http://localhost:5000/users/Retweetscomment/1/2`. The body is a JSON object: `{ "TweetID": "1040" }`. The response is a 200 OK with a time of 58 ms and size of 318 B. The JSON response is:

```
{  "id": 144,  "UserId": 693,  "Description": "no why",  "TweetId": 1040,  "Date": "2022-09-12"}
```

Request 2 (Bottom): `POST http://localhost:5000/users/Retweetscomment/2/2`. The body is a JSON object: `{ "TweetID": "1040" }`. The response is a 200 OK with a time of 63 ms and size of 399 B. The JSON response is:

```
[  {  "id": 142,  "UserId": 696,  "Description": "hhhhh",  "TweetId": 1040,  "Date": "2022-09-12"  },  {  "id": 143,  "UserId": 696,  "Description": "ok ok",  "TweetId": 1040,  "Date": "2022-09-12"  }]
```

```
POST /users/Retweetscomment/1/2 200 33.148 ms - 163
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
Retrieve all tweets successfully
POST /users/Retweetscomment/2/2 200 29.045 ms - 83
[]
```

21. Delete a tweet comment

http://localhost:5000/users/deletecomment/147/1036

DELETE http://localhost:5000/users/deletecomment/147/1036

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

Headers 6 hidden

KEY	VALUE	DESCRIPTION	***	Bulk Edit	Presets
<input checked="" type="checkbox"/> Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NjkzLCJpYXQiOiJl				
<input type="checkbox"/>					
Key	Value	Description			

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 51 ms Size: 276 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "result": "comment delete successfullly"
3 }
```

```
[nodemon] restarting due to changes...
[nodemon] starting `node ./bin/www`
Debugger attached.
OK1
OK
693
comment delete successfullly
DELETE /users/deletecomment/147/1036 200 37.650 ms - 41
[]
```

+ Options

					id	UserId	Description	TweetId	Date
<input type="checkbox"/>	Edit	Copy	Delete		142	696	hhhhh	1040	2022-09-12
<input type="checkbox"/>	Edit	Copy	Delete		143	696	ok ok	1040	2022-09-12
<input type="checkbox"/>	Edit	Copy	Delete		144	693	no why	1040	2022-09-12
<input type="checkbox"/>	Edit	Copy	Delete		145	693	good	1036	2022-09-12

☐ Check all *With selected:* Edit Copy Delete Export