

REST Assignment

REST api server – To Do App

Tech: NodeJs + Mongo

Key Assumption: No login

APIs implemented:

- `app.get('/getTasks')`: to get all the tasks
- `app.post('/addTask')`: to add a task
request.body(key-value):
 - `{task:<task content>}`
- `app.delete('/deleteTask')`: to delete a task
request.body(key-value):
 - `{index:<index value>}`
- `app.put('/editTask')`: to edit a task
request.body(key-value):
 - `{index:<index value>}`
 - `{task:<task content>}`

1) GET (initial list of tasks)

The screenshot shows a REST client interface with a GET request to `http://localhost:8081/getTasks` sent successfully. The response is a JSON array of three task objects. The interface includes tabs for Params, Authorization, Headers (6), Body, Pre-request Script, Tests, and Settings. The Body tab is selected, showing the raw response. Below the response, there are tabs for Body, Cookies, Headers (6), and Test Results. The Body tab is selected, showing the raw response. The response is a JSON array of three task objects.

KEY	VALUE	DESCRIPTION
<input type="checkbox"/> task	Spring assignment	
<input type="checkbox"/> index	7	
Key	Value	Description

```
1 [{"_id":"5f240ce6c7506f23bf53c8bb","index":"0","task":"REST
2 assignment"}, {"_id":"5f240d10c7506f23bf53c8bc","index":"1","task":"Angular
3 assignment"}, {"_id":"5f240d2bc7506f23bf53c8bd","index":"2","task":"Spring assignment"}]
```


2)POST (adding a task)


POST http://localhost:8081/addTask

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

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


	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	task	Hibernate assignment	
<input type="checkbox"/>	index	7	
	Key	Value	Description


Body Cookies Headers (6) Test Results  Status: 200 OK Time: 32 ms

Pretty Raw Preview Visualize HTML 

1 inserted

3) After adding

Body Cookies Headers (6) Test Results  Status: 200 OK Time: 78 ms Siz

Pretty Raw Preview Visualize HTML 

```
1 [{"_id":"5f240ce6c7506f23bf53c8bb","index":"0","task":"REST
2 assignment"}, {"_id":"5f240d10c7506f23bf53c8bc","index":"1","task":"Angular
3 assignment"}, {"_id":"5f240d2bc7506f23bf53c8bd","index":"2","task":"Spring
4 assignment"}, {"_id":"5f240d98c7506f23bf53c8be","index":"3","task":"Hibernate assignment"}]
```

4) PUT (update a task)

PUT

http://localhost:8081/editTask

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

☐ GraphQL

	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	task	REST assignment(updated value)	
<input checked="" type="checkbox"/>	index	0	
	Key	Value	Description

Body

Cookies

Headers (4)

Test Results

Status: 200 OK

Time: 73 ms

Pretty

Raw

Preview

Visualize

Text

1

update

5)After update

```
1 [{"_id":"5f240ce6c7506f23bf53c8bb","index":"0","task":" REST assignment(updated
2 value)"},"{"_id":"5f240d10c7506f23bf53c8bc","index":"1","task":"Angular
3 assignment"},"{"_id":"5f240d2bc7506f23bf53c8bd","index":"2","task":"Spring
4 assignment"},"{"_id":"5f240d98c7506f23bf53c8be","index":"3","task":"Hibernate assignment"}]
```

6) DELETE (removing a task)

DELETE

http://localhost:8081/deleteTask

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	KEY	VALUE	DESCRIPTION
<input type="checkbox"/>	task	-REST assignment(updated value)	
<input checked="" type="checkbox"/>	index	0	
	Key	Value	Description

Body

Cookies

Headers (4)

Test Results

Status: 200 OKTime: 22 ms

Pretty

Raw

Preview

Visualize

Text

1 deleted

7)After deleting

Pretty

Raw

Preview

Visualize

HTML

1 [{"_id":"5f240d10c7506f23bf53c8bc","index":"1","task":"Angular
2 assignment"}, {"_id":"5f240d2bc7506f23bf53c8bd","index":"2","task":"Spring
3 assignment"}, {"_id":"5f240d98c7506f23bf53c8be","index":"3","task":"Hibernate assignment"}]