

REST API Documentation

Overview

This document outlines the endpoints, request methods, query parameters, request bodies, and sample responses for the Task Management REST API.

Base URL:

Unset

`http://localhost:3000/api`

Authentication

POST /auth/signup

Create a new user.

The screenshot displays a REST client interface with the following details:

- URL Bar:** Method: **POST**; URL: `http://localhost:3000/api/auth/signup`; Buttons: **Send**, **Save**, **Share**.
- Request Body:** Tab: **Body**; Format: **raw**; Content:

```
1 {  
2   "username": "Ridam",  
3   "password": "Searce@2025"  
4 }  
5
```
- Response Section:** Tabs: **Body**, Cookies, Headers (7), Test Results (0/1). Status: **201 Created**; Time: 845 ms; Size: 279 B. Response body (JSON):

```
1 {  
2   "message": "User created successfully"  
3 }
```

Authenticate a user and return a JWT token.

If entered Wrong password or username

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:3000/api/auth/login
- Body:** A JSON object with the following structure:

```
1 {
2   "username": "Ridam",
3   "password": "Searce@205"
4 }
5
```
- Response:** 401 Unauthorized (416 ms, 285 B). The response body is:

```
1 {
2   "error": "Invalid username or password"
3 }
```

Task Management

POST /tasks

Create a new task.

Headers:

- Authorization: **Bearer** <token>

If token is correct below is the response

The screenshot displays a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:3000/api/tasks
- Body:** A JSON object with the following structure:

```
1 {
2   "title": "Complete CDL",
3   "description": "Start the course of CDL on google cloud partner",
4   "status": "Pending"
5 }
```
- Response:** 200 OK, 69 ms, 462 B. The response body is a JSON object:

```
1 {
2   "title": "Complete CDL",
3   "description": "Start the course of CDL on google cloud partner",
4   "status": "Pending",
5   "_id": "6791d1966cace96ea0156121",
6   "createdAt": "2025-01-23T05:20:22.556Z",
7   "updatedAt": "2025-01-23T05:20:22.556Z",
8   "__v": 0
9 }
```

If token is wrong below is the response

POST http://localhost:3000/api/tasks

Params Authorization Headers (10) Body Scripts Settings Cookies

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

```
1 {
2   "title": "Complete CDL",
3   "description": "Start the course of CDL on google cloud partner",
4   "status": "Pending"
5 }
6
```

Body Cookies Headers (7) Test Results (0/1) 401 Unauthorized • 21 ms • 269 B Save Response

{ JSON Preview Visualize

```
1 {
2   "error": "Unauthorized"
3 }
```

GET /tasks

Retrieve a list of all tasks.

Headers:

- Authorization: Bearer <token>

REST API basics: CRUD, test & variable / Get data Save Share

GET http://localhost:3000/api/tasks Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Headers 6 hidden

	Key	Value	Description
<input type="checkbox"/>	Content-Type	application/json	
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...	
	Key	Value	Description

Body Cookies Headers (7) Test Results (1/1) 200 OK • 221 ms • 464 B Save Response

{ JSON Preview Visualize

```
1 {
2   "_id": "6791d1966cace96ea0156121",
3   "title": "Complete CDL",
4   "description": "Start the course of CDL on google cloud partner",
5   "status": "Pending",
6   "createdAt": "2025-01-23T05:20:22.556Z",
7   "updatedAt": "2025-01-23T05:20:22.556Z",
8   "__v": 0
9 }
10
```

GET /tasks/:id

Retrieve a task by its ID.

Headers:

- Authorization: Bearer <token>

REST API basics: CRUD, test & variable / Get data

Save Share

GET http://localhost:3000/api/tasks/6791d1966cace96ea0156121 Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Headers 6 hidden

	Key	Value	Description		Bulk Edit	Presets
<input type="checkbox"/>	Content-Type	application/json				
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...				
	Key	Value	Description			

Body Cookies Headers (7) Test Results (1/1) 200 OK 80 ms 462 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "_id": "6791d1966cace96ea0156121",
3   "title": "Complete CDL",
4   "description": "Start the course of CDL on google cloud partner",
5   "status": "Pending",
6   "createdAt": "2025-01-23T05:20:22.556Z",
7   "updatedAt": "2025-01-23T05:20:22.556Z",
8   "__v": 0
9 }
```

GET http://localhost:3000/api/tasks/6791d1966cace96ea0156124 Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Headers 6 hidden

	Key	Value	Description		Bulk Edit	Presets
<input type="checkbox"/>	Content-Type	application/json				
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...				
	Key	Value	Description			

Body Cookies Headers (7) Test Results (0/1) 404 Not Found 64 ms 268 B Save Response

{ } JSON Preview Visualize

```
1 {
2   "error": "Task Not Found"
3 }
```

PUT /tasks/:id

Update an existing task by its ID.

Headers:

- Authorization: Bearer <token>

If Id found

The screenshot shows a REST client interface with the following details:

- Method:** PUT
- URL:** http://localhost:3000/api/tasks/6791d1966cace96ea0156121
- Body:** A JSON object:

```
{  "title": "Complete CDL",  "description": "Start the course of CDL on google cloud partner",  "status": "In Progress"}
```
- Response:** 200 OK, 179 ms, 466 B. The response body is a JSON object:

```
{  "_id": "6791d1966cace96ea0156121",  "title": "Complete CDL",  "description": "Start the course of CDL on google cloud partner",  "status": "In Progress",  "createdAt": "2025-01-23T05:20:22.556Z",  "updatedAt": "2025-01-23T05:39:27.727Z",  "__v": 0}
```

If No Id found:

The screenshot shows a REST client interface with the following details:

- Method:** PUT
- URL:** http://localhost:3000/api/tasks/6791d1966cace96ea0156123
- Body:** A JSON object:

```
{  "title": "Complete CDL",  "description": "Start the course of CDL on google cloud partner",  "status": "In Progress"}
```
- Response:** 404 Not Found, 43 ms, 268 B. The response body is a JSON object:

```
{  "error": "Task Not Found"}
```

DELETE /tasks/:id

Delete a task by its ID.

Headers:

- Authorization: **Bearer** <token>

If No Id found

DELETE ☐ http://localhost:3000/api/tasks/6791d1966cace96ea0156123 **Send** ☐

Params Authorization **Headers (8)** Body Scripts ☒ Settings Cookies

Headers ☒ 6 hidden

	Key	Value	Description	...	Bulk Edit	Presets
<input type="checkbox"/>	Content-Type	application/json				
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...				
	Key	Value	Description			

Body Cookies Headers (7) Test Results (0/1) ☒ 404 Not Found • 50 ms • 268 B • ☒ Save Response ...

☒ JSON ☐ Preview ☒ Visualize ☐

```
1 {  
2   "error": "Task Not Found"  
3 }
```

If I'd found

DELETE ☐ http://localhost:3000/api/tasks/6791d1966cace96ea0156121 **Send** ☐

Params Authorization **Headers (8)** Body Scripts ☒ Settings Cookies

Headers ☒ 6 hidden

	Key	Value	Description	...	Bulk Edit	Presets
<input type="checkbox"/>	Content-Type	application/json				
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...				
	Key	Value	Description			

Body Cookies Headers (7) Test Results (1/1) ☒ 200 OK • 50 ms • 261 B • ☒ Save Response ...

☒ JSON ☐ Preview ☒ Visualize ☐

```
1 {  
2   "message": "Task Deleted"  
3 }
```