

TASK : UST Task Tracker API

Screenshots:

1. LOGIN (Authentication using JWT)

The screenshot shows a POSTMAN request for a 'LOGIN' endpoint. The 'Request body' is set to 'required' and contains the following JSON payload:

```
{  
  "username": "rahul",  
  "password": "password123"  
}
```

The response body is displayed as a large JSON object, including an access token and a token type. The response headers show standard HTTP headers like Content-Length, Content-Type, Date, and Server.

```
{  
  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiJyYihi1cTsIiw4cC16Mtc2NDA1MDExM30.s8YnS1Eex1mR--Ot4Uaa4zO-cFF1NvFJwJ5DSE5wn3  
E",  
  "token_type": "bearer"  
}  
  
Response headers:  
content-length: 165  
content-type: application/json  
date: Tue, 25 Nov 2025 05:25:13 GMT  
server: uvicorn
```

2. POST (Create Task)

The screenshot shows a POSTMAN request for a 'POST' endpoint. The 'Request body' is set to 'required' and contains the following JSON payload:

```
{  
  "title": "Buy groceries",  
  "description": "Buy rice and dal from D-Mart"  
}
```

```

200
Response body
{
  "id": 1,
  "title": "Buy groceries",
  "description": "Buy rice and dal from D-Mart",
  "completed": false
}
Response headers
content-length: 95
content-type: application/json
date: Tue, 25 Nov 2025 05:31:03 GMT
server: uvicorn
Responses

```

3. GET (Get all tasks)

```

① 127.0.0.1:8000/docs#/default/get_all_tasks_tasks_get
Details

Response body
[
  {
    "id": 1,
    "title": "Pay Electricity Bill",
    "description": "Pay BESCOM bill before 15th",
    "completed": false
  },
  {
    "id": 2,
    "title": "Buy groceries",
    "description": "Buy rice and dal from D-Mart",
    "completed": false
  }
]

```

4. GET (Get task by ID)

GET	/tasks/{task_id} Get Task								
Parameters									
<table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>task_id <small>* required</small></td> <td>integer (path)</td> </tr> <tr> <td colspan="2"> <input type="text" value="2"/> </td> </tr> <tr> <td colspan="2"> <input type="button" value="Execute"/> </td> </tr> </tbody> </table>		Name	Description	task_id <small>* required</small>	integer (path)	<input type="text" value="2"/>		<input type="button" value="Execute"/>	
Name	Description								
task_id <small>* required</small>	integer (path)								
<input type="text" value="2"/>									
<input type="button" value="Execute"/>									

Server response

Code	Details
200	<p>Response body</p> <pre>{ "id": 2, "title": "Buy groceries", "description": "Buy rice and dal from DMart", "completed": false }</pre> <p>Response headers</p> <pre>content-length: 97 content-type: application/json date: Tue, 25 Nov 2025 05:39:23 GMT server: uvicorn</pre>

5. PUT (Update task)

task_id * required
integer
(path)

2

Request body required

Edit Value | Schema

```
{  
    "title": "Buy vegetables",  
    "description": "Buy tomatoes from Reliance Fresh",  
    "completed": true  
}
```

Response body

```
{  
    "id": 2,  
    "title": "Buy vegetables",  
    "description": "Buy tomatoes from Reliance Fresh",  
    "completed": true  
}
```

Response headers

```
content-length: 99  
content-type: application/json  
date: Tue, 25 Nov 2025 05:41:41 GMT  
server: uvicorn
```

6. DELETE (Delete a task)

DELETE /tasks/{task_id} Delete Task

Parameters

Name	Description
task_id * required integer (path)	1

Execute

Server response

Code	Details
200	Response body <pre>{ "message": "Task deleted successfully" }</pre> Response headers <pre>content-length: 39 content-type: application/json date: Tue, 25 Nov 2025 05:43:00 GMT server: uvicorn</pre>

Responses