

Sample API Documentation

Overview

The **Sample API** allows developers to interact with a fictional service to manage tasks. It supports operations like creating, retrieving, updating, and deleting tasks.

Base URL

```
1 Copy codehttps://api.sampleapp.com/v1
2
```

Authentication

All requests require an API key. Include it in the **Authorization** header as a Bearer token:

```
1 Copy codeAuthorization: Bearer YOUR_API_KEY
2
```

Endpoints

1. Create a Task

Endpoint:

POST /tasks

Description:

Creates a new task.

Request Example:

```
1 Copy codePOST https://api.sampleapp.com/v1/tasks
2 Content-Type: application/json
3 Authorization: Bearer YOUR_API_KEY
4
5 {
6   "title": "Buy groceries",
7   "description": "Milk, eggs, bread",
8   "due_date": "2025-08-10"
9 }
10
```

Response Example:

```
1 Copy code{
2   "id": "12345",
3   "title": "Buy groceries",
4   "description": "Milk, eggs, bread",
5   "due_date": "2025-08-10",
6   "status": "pending"
7 }
8
```

2. Retrieve a Task

Endpoint:

```
GET /tasks/{id}
```

Description:

Fetches details of a specific task.

Request Example:

```
1 Copy codeGET https://api.sampleapp.com/v1/tasks/12345
2 Authorization: Bearer YOUR_API_KEY
3
```

Response Example:

```
1 Copy code{
2   "id": "12345",
3   "title": "Buy groceries",
4   "description": "Milk, eggs, bread",
5   "due_date": "2025-08-10",
6   "status": "pending"
7 }
8
```

3. Update a Task

Endpoint:

```
PUT /tasks/{id}
```

Description:

Updates an existing task.

Request Example:

```
1 Copy codePUT https://api.sampleapp.com/v1/tasks/12345
2 Content-Type: application/json
3 Authorization: Bearer YOUR_API_KEY
4
5 {
6   "status": "completed"
7 }
```

Response Example:

```
1 Copy code{
2   "id": "12345",
3   "title": "Buy groceries",
4   "description": "Milk, eggs, bread",
5   "due_date": "2025-08-10",
6   "status": "completed"
7 }
8
```

4. Delete a Task

Endpoint:

```
DELETE /tasks/{id}
```

Description:

Deletes a specific task.

Request Example:

```
1 Copy codeDELETE https://api.sampleapp.com/v1/tasks/12345
2 Authorization: Bearer YOUR_API_KEY
3
```

Response Example:

```
1 Copy code{
2   "message": "Task deleted successfully."
3 }
4
```

Error Codes

Code	Message	Description
400	Bad Request	Invalid input or missing parameters.
401	Unauthorized	Invalid or missing API key.
404	Not Found	Resource not found.
500	Internal Server Error	An unexpected error occurred.

This structure ensures developers can quickly understand and implement the API. Let me know if you'd like further customization!