

# API Documentation

## Introduction:

This task management API allows us to manage tasks with operations such as CRUD (Creating , Reading , Updating , Deleting) operations.

## Base URL:

<http://localhost:5000>

## Endpoints:

1. Get All Tasks:
  - Endpoint: `'/GET/tasks'`
  - Method: GET
  - Description: Retrieves a list of all tasks
2. Get a Task by ID
  - Endpoint: `'/GET/tasks/:id'`
  - Method: GET
  - Description: Retrieves a specific task by ID
3. Create a New Task
  - Endpoint: `'/POST/tasks'`
  - Method: POST
  - Description: Creates a new Task
4. Update a Task
  - Endpoint: `'/PUT/tasks/:id'`
  - Method: PUT
  - Description: Updates an existing task by its ID
5. Delete a Task
  - Endpoint: `'/DELETE/tasks/:id'`
  - Method: DELETE
  - Description: Deletes a task by its ID

## Requests:

1. Get All Tasks:

⇒ GET/GET/tasks

2. Get a Task by ID

⇒ GET/GET/tasks/2

3. Create a New Task

⇒ POST/POST/tasks

Content-Type: application/json

```
{  
  "id": 5,  
  "title": "New Task",  
  "description": "New Description"  
}
```

4. Update a Task

⇒ PUT/PUT/tasks/1

Content-Type: application/json

```
{  
  "title": "Modified title",  
  "description": "Modified description"  
}
```

5. Delete a Task

⇒ DELETE/DELETE/tasks/3

## Responses:

1. Get All Tasks:

```
(1) [  
  {id:1,title:'Task 1',description:'Description 1'},  
  {id:2,title:'Task 2',description:'Description 2'},  
  {id:3,title:'Task 3',description:'Description 3'},  
  {id:4,title:'Task 4',description:'Description 4'},  
]
```

(2) Error(404): 'No tasks found'

2. Get a Task by ID

1) {"id": 2, "title": "Task 2", "description": "Description 2"}

2) Error(404): 'Task not found in list'

3. Create a New Task

1) Success(200): 'Task added successfully'

2) Error(404): 'Title is required'

3) Error(404): 'Description is required'

4. Update a Task

1) Success(200): 'Task updated successfully'

2) Error(404): 'Task not found in list'

3) Error(404): 'Task does not have a title'

4) Error(404): 'Task does not have a description'

5. Delete a Task

1) Success(200): 'Task deleted successfully'

2) Error(404): 'Task not found in list'