

tasks

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Tasks API Documentation

This document describes the endpoints, request/response formats, and error handling for the Tasks API in the sample Task Manager application.

Base URL

/tasks

Endpoints

1. Create a Task

- **POST /tasks**
- **Description:** Create a new task.
- **Request Body:**

```
{  
  "title": "string",  
  "description": "string",  
  "dueDate": "2025-10-31T23:59:59Z",  
  "priority": "Low|Medium|High"  
}
```

- **Response:**

- 201 Created
- Body:

```
{  
  "id": "string",  
  "title": "string",  
  "description": "string",  
  "dueDate": "2025-10-31T23:59:59Z",  
  "priority": "Low|Medium|High",
```

```
        "status": "Pending|Completed"
    }
```

2. Get a Task by ID

- **GET /tasks/{id}**
- **Description:** Retrieve details for a specific task.
- **Response:**
 - 200 OK
 - Body: Same as above
 - 404 Not Found if task does not exist

3. List All Tasks

- **GET /tasks**
- **Description:** Retrieve all tasks (optionally filter by status, priority, or due date).
- **Query Parameters:**
 - status (optional): Pending|Completed
 - priority (optional): Low|Medium|High
- **Response:**
 - 200 OK
 - Body:

```
[
  {
    "id": "string",
    "title": "string",
    "description": "string",
    "dueDate": "2025-10-31T23:59:59Z",
    "priority": "Low|Medium|High",
    "status": "Pending|Completed"
  },
  // ...more tasks
]
```

4. Update a Task

- **PUT /tasks/{id}**
- **Description:** Update details of an existing task.
- **Request Body:** Same as Create
- **Response:**
 - 200 OK with updated task
 - 404 Not Found if task does not exist

5. Delete a Task

- **DELETE /tasks/{id}**
- **Description:** Delete a task by ID.
- **Response:**
 - 204 No Content on success
 - 404 Not Found if task does not exist

Error Handling

- All errors use [ProblemDetails](#) format for consistency.
- Example error response:

```
{  
  "type": "https://example.com/probs/task-not-found",  
  "title": "Task Not Found",  
  "status": 404,  
  "detail": "No task found with the specified ID.",  
  "instance": "/tasks/123"  
}
```

See also: [Sample Solution Architecture](#), [Glossary](#)