

Task API

Base URL: /tasks

1. Create a Task

- **Endpoint:** POST /
- **Description:** Create a new task.
- **Request Body:**
 - **title** (required, string): Title of the task.
 - **description** (required, string): Description of the task.
 - **status** (optional, string, default: "pending"): Status of the task (either "pending" or "completed").
- **Response:** Returns the created task.
- **Error Handling:**
 - Returns status 400 if the required fields are missing or invalid.

2. Get All Tasks

- **Endpoint:** GET /
- **Description:** Retrieve all tasks.
- **Response:** Returns an array of tasks.
- **Error Handling:**
 - Returns status 500 if there's an internal server error.

3. Get a Single Task

- **Endpoint:** GET /:id
- **Description:** Retrieve a specific task by its ID.
- **Response:** Returns the task with the specified ID.
- **Error Handling:**
 - Returns status 404 if the task with the given ID is not found.
 - Returns status 500 if there's an internal server error.

4. Update a Task

- **Endpoint:** **PATCH /:id**
- **Description:** Update a specific task by its ID.
- **Request Body:** Any fields you want to update (title, description, status).
- **Response:** Returns the updated task.
- **Error Handling:**
 - Returns status 404 if the task with the given ID is not found.
 - Returns status 400 if the request body is empty or invalid.
 - Returns status 500 if there's an internal server error.

5. Delete a Task

- **Endpoint:** **DELETE /:id**
- **Description:** Delete a specific task by its ID.
- **Response:** Returns a success message.
- **Error Handling:**
 - Returns status 404 if the task with the given ID is not found.
 - Returns status 500 if there's an internal server error.

Input Validation:

- Title and description fields are required for creating a task.
- Status field should be either "pending" or "completed".
- For updating a task, at least one valid field (title, description, status) must be provided.

Error Handling:

- All endpoints handle errors appropriately and return relevant status codes and error messages.