

# Upskilling Task

**This task not related to any real project it just for test your skills to be able to help you in our “JSB” program .**

## Details :

**Your company is developing a task manger application. You need to create a task management API that allows for managing tasks and team members**

## **We need to :**

### 1) Design Entities:

- Tasks (taskId, Name, Description, status, startDate , endDate)
- teamMember ( memberId, Name, Email )

### 2) Relationships and Constraints: (use any SQL DB.)

- One-to-Many Relationship: A member can have multiple tasks.

### 3) Data Validation:

- Ensure the **Name** and **Description** fields for task are not empty. Ensure **Email** of team member is valid email

### 4) API Endpoints:

- Tasks API
  - GET /api/task: Retrieve a list of all tasks.
  - GET /api/task/{id}: Retrieve a specific task by ID.
  - POST /api/task: Add a new task.
  - PUT /api/task/{id}: Update an existing task.
  - DELETE /api/task/{id}: Delete a task.

- Team Member API:
    - GET /api/member: Retrieve a list of all members.
    - GET /api/member/{id}: Retrieve a specific member by ID.
    - POST /api/member: Create a new member.
    - PUT /api/member/{id}: Update an existing member.
    - DELETE /api/member/{id}: Delete a member.
- 



**Phone:** 01154932137

**Email:** upskilling.eg1@gmail.com