## **Enhanced Project Title: Team Task Management System**

### **🎯 Goal:**

Develop a backend application to manage teams, users, and their assigned tasks with priorities, deadlines, and status tracking.

## **Entities & Relationships**

### **1. User**

* id, name, email, role (ADMIN, USER)

### **2. Team**

* id, name, description

### **3. Task**

* id, title, description, status (TODO, IN\_PROGRESS, DONE), priority (LOW, MEDIUM, HIGH), dueDate, assignedTo (User), team (Team)

### **4. Comment (optional)**

* id, taskId, commentText, createdBy, timestamp

## **API Requirements**

### **✅ User APIs**

* POST /users – Add a user
* GET /users – List all users

### **✅ Team APIs**

* POST /teams – Create a team
* GET /teams – List teams
* POST /teams/{teamId}/members – Add user to team

### **✅ Task APIs**

* POST /tasks – Create task and assign to user
* GET /tasks – List tasks (support filter by status, team, user)
* PUT /tasks/{id} – Update task
* PUT /tasks/{id}/status – Change task status
* GET /users/{id}/tasks – List tasks assigned to user

### **✅ (Optional) Comment APIs**

* POST /tasks/{taskId}/comments
* GET /tasks/{taskId}/comments

## **📂 Deliverables**

1. Spring Boot project (GitHub or zip)
2. README with API details and usage
3. Database schema or diagram (optional)
4. Postman collection or Swagger UI link