



**Bilkent University**  
Department of Computer Engineering

**CS 353 - Database Systems**

**Term Project - Proposal**

**Project Name:** Tasks & Managers

**Group No:** 26

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## **2. FUNCTIONAL REQUIREMENTS //add visibilities**

### **2.1 USER REQUIREMENTS**

#### **2.1.1 PRIVILEGED USER REQUIREMENTS**

##### **2.1.1.1 MANAGER REQUIREMENTS**

- Create project
- Assign Team Leader to teams
- Assign members to teams
- observe maps
- Create team and assign task

##### **2.1.1.2 TEAM LEADER REQUIREMENTS**

- Create boards
- Create lists
- Create cards
- Assign member to cards
- Edit cards
- Add comments

##### **2.1.2 STANDARD USER REQUIREMENTS**

- Adjust cards
- Add comments
- Add issue

### **2.2 OTHER REQUIREMENTS**

Lists has cards  
Lists has progress bars  
Boards has progress bars  
Boards has lists  
Teams has users  
Cards has a status

## **3. NON-FUNCTIONAL REQUIREMENTS**

Response Time  
Security  
Scalability  
User-friendly Interface

## **4. LIMITATIONS**

A project has only one manager  
A project has 0+ teams  
Each team has only one team leader  
Each team has 0+ members  
Each team is assigned to only one project.  
Each team has many boards  
Each board has exactly one team  
A board has 0+ lists

A list can have 0+ cards  
A list can only be in one board.  
A card can be only one list.  
A card is assigned to only one member.  
A member can be assigned to 0+ cards.  
A member can be in 1+ teams  
A project has only one map..

## **5. CONCEPTUAL DESIGN OF THE DATABASE**