**Database Diagram**

**Business Rules**



1. Status of a project or task can only be changed from P to S, and from S to (C or F). (If the status is C or F, it cannot be changed!) The user should get an ALERT if the user tries to make such a forbidden change.

2. A project must have a leader unless its status is P.

3. An employee cannot be member of more than 5 active projects.

4. The total of work percentages of an employee in active projects cannot be more than 1.

5. A member cannot be the project leader if “his/her” manager is also in the team.

6. A team may have only one leader.

7. All changes of the project and task status values have to be logged in an audit table which contains the id of task or project, date, old and new values.

**CONSTRAINTS**

1. Task status cannot be different from ('C','P','S','F')

2. Salary of an employee cannot be smaller than 0

3. Emails of employees should be unique