

**Mini Project Title :** College Fest Team Management System

**Problem Statement :** Design a database management system for managing a team working for a typical college festival.

**Introduction :**

Many universities and colleges have student-run annual fests, typically with operational teams of 100-500 students. Since these teams work edition to edition with roles changing every year, the lifetime of most projects is of 9 to 14 months and timelines are relatively tight.

The team is divided into departments or “portfolios” (eg. events, finance, design) that are managed by 1 to 4 heads. Each portfolio has a team of “coordinators” working under it. All work is overseen by a student “secretary”.

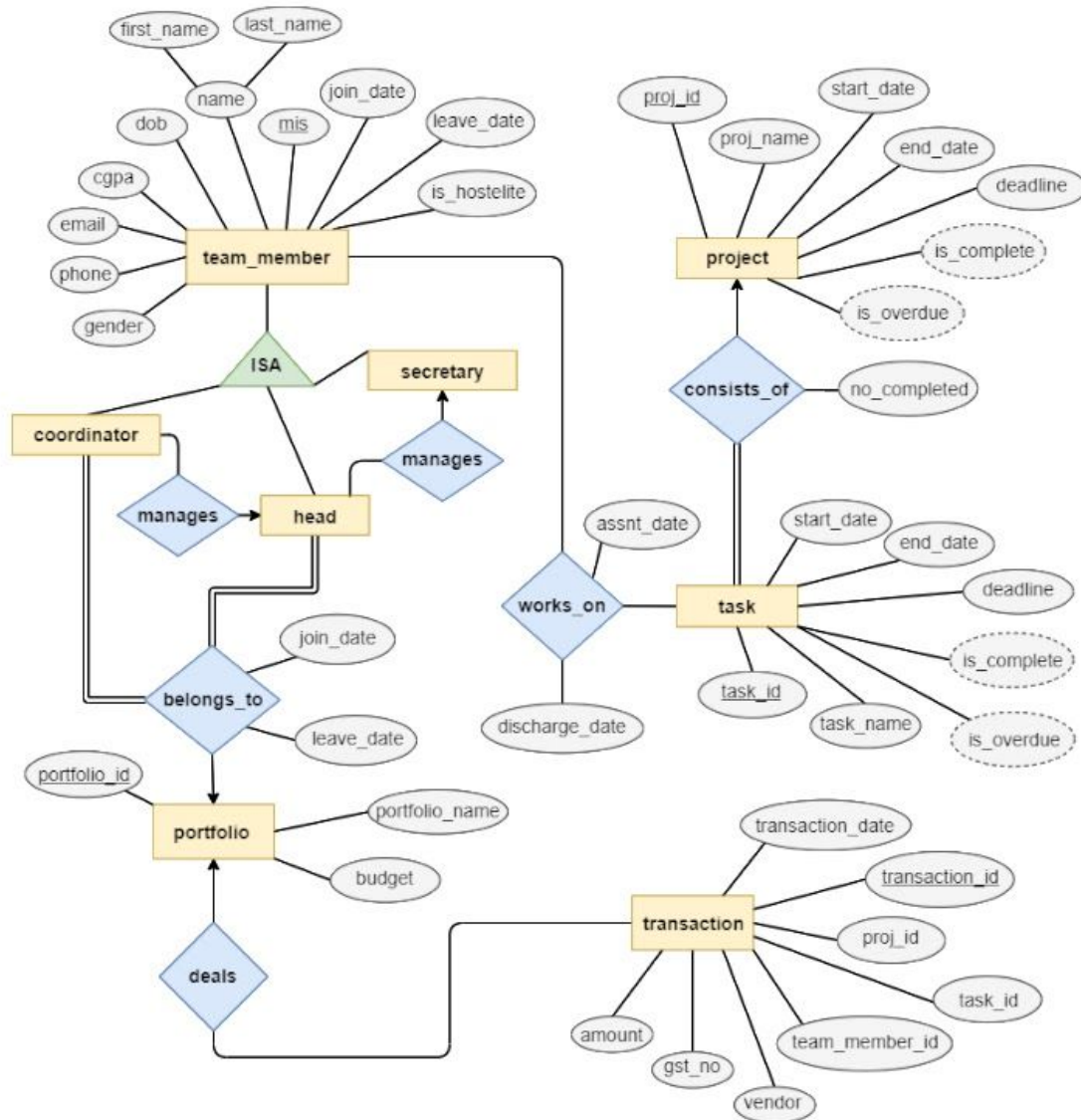
Most portfolios are allotted a budget for that year, from which transactions are made for sponsorships, partners, donations, media coverage, honorariums, pre-events, competitions, etc.

Team members are assigned “tasks” on a timeline that are part of a bigger “project” such as organizing an inauguration ceremony or a concert. The projects and their constituent tasks have set deadlines for completion. A project is considered completed once all its constituent tasks are completed.

**Functional Requirements :**

1. Addition and removal of members from the team.
2. Addition and removal of heads and coordinators from individual portfolios.
3. Enforcement of a minimum cgpa criteria for a team member to be the secretary or a portfolio head.
4. Maintaining a timeline of projects and their constituent tasks along with deadlines.
5. Assigning and discharging team members from responsibility for different tasks.
6. Maintaining a record of transactions made by team members for tasks assigned to them, with reference to the budget of the concerned portfolio.

## ER Model - College Fest Team Management System



## Relational Model - College Fest Team Management System

