

## Requirements (R)

A database system called KCDBS, that manages KFUPM students' clubs.

- There are a number of student clubs in KFUPM.
- Each club has a number, a name, an address, a telephone, etc.
- A club may or may not be associated with an academic department.
- A club has a number of rules.
- To be a club member, a KFUPM student must satisfy the membership rules of the club.
- A KFUPM student can be a member of multiple clubs.
- Each club has an elected president and an elected secretary.
- Depending on the rules of the club, the president and the secretary are elected for specific period of time.
- A club may have a number of projects or events.
- Each project has a number, a name, start date, end date, and status.
- Each project can be classified as sports, social, religious, academic or others.
- Each project may require resources. A resource can be a venue, a vehicle, food items, etc.
- Each project has a leader and members.
- A club member may work in more than one project.
- A club member may lead multiple projects simultaneously.
- Each project is evaluated after it is closed.
- The complete history of the club rules, members, leaders, projects, resources must be kept.

Phase 1:

- Draw a conceptual and a logical database designs of KCDBS.
- **Due: Saturday 17 October 2020.**
- Use draw.io or any other tool to draw the conceptual diagram. Hand drawn diagram will not be accepted.
- Submit one pdf file called **P1-Group-xx.pdf** which contains the following three pages:
  - **Page1:** A cover page which contains
    - Project title (KCDBS), phase number, and date.
    - Group number
    - Group members IDs and names
  - **Page 2:**
    - The conceptual diagram
  - **Page 3:**
    - Any assumptions that you added to the above requirements.
    - The contribution of each group member.