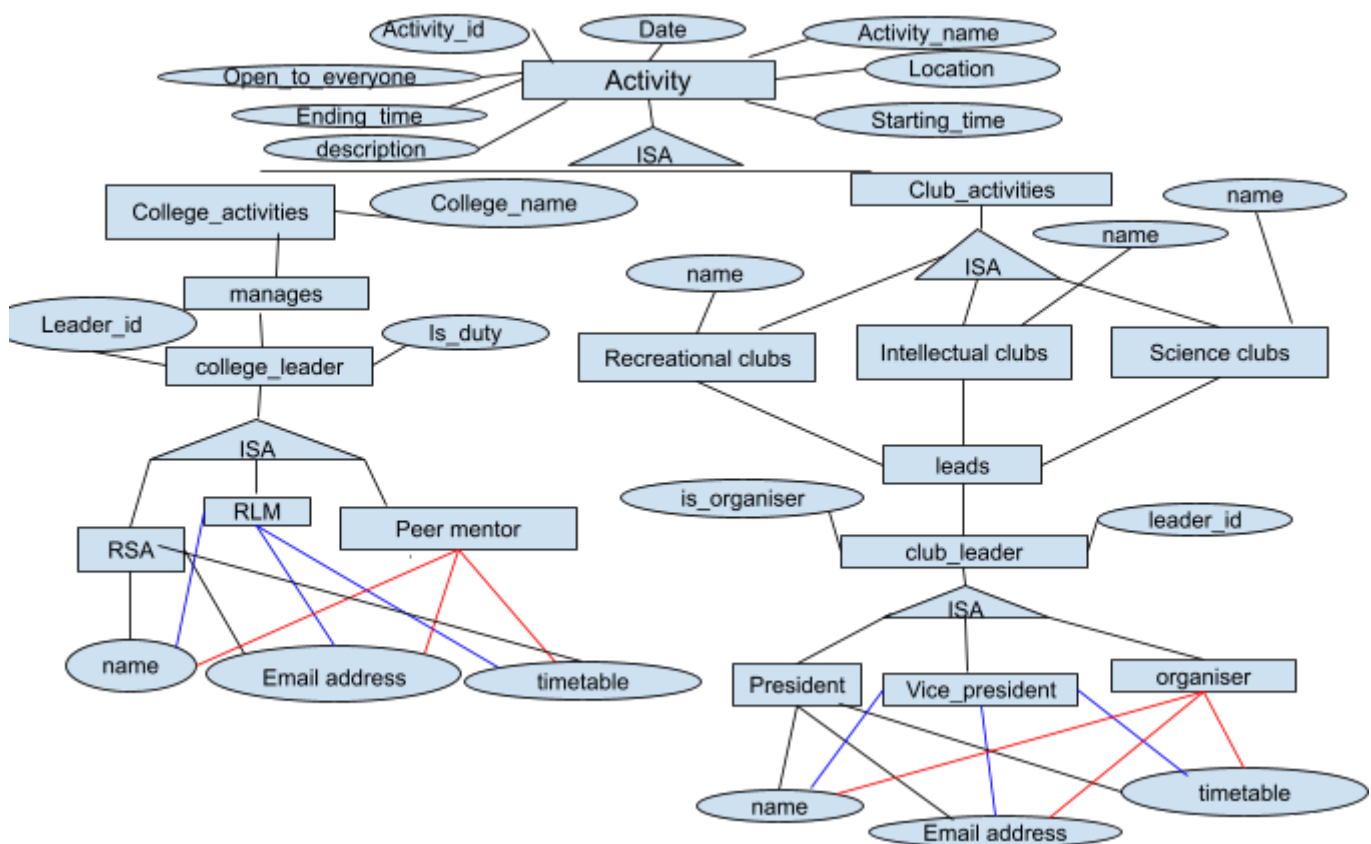


Gerard Nahimana
Issa Sulaiman
Christian Rukundo

DBMS homework 2 Group 14

We will describe the changes that we made in our ER diagram shown below titled updatedER.pdf



Activity ISA hierarchy

1. Addition of more attributes to the entity (Activity)

The addition of the following attributes was done to increase the usability of our database.

1. Activity_name

2. Starting_time
3. Closing_time
4. Description of the activity
5. Open_to_every_one boolean

2. Remove the college_location attribute from the College_activities entity

The college location attribute was removed from the College_activities because our main focus is the activities that happen in the colleges and not the colleges and therefore it was made the attribute of the parent entity (Activity).

College leader ISA hierarchy

1. Added a college_leader_id attribute to the college_leader entities

Since there is a relationship between the college activities and the college leaders, we need a key that can connect those two so that we can know which leader is leading a particular activity. Also, since the different college leaders (RSA, RLM, peer mentor) are subclasses of the, we would need a common key that links them to the different activities.

Club activities ISA hierarchy

- The college location attribute was also removed from the different categories of clubs since our main focus is the activities that happen in the clubs and their locations.
- Added a relation between the club activities and the club leader to be able to reference in the activity entity the different activities being led by the leaders.

Added a club_leader ISA

- The specific leaders of the club_activities are subclasses of the club leader entity as they inherit the attributes of the club_leader and this helps us to be able to track the different activities they would lead in the activity entity.