

Databases & Web Services Project 2022

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Community Calendar Web Application

Introduction:

Mapping approach making contact info and events which can be accessed by students, facility organizer, club leader.

Interface:

- Calendar of all club events (Campus Crew, Basketball, Volleyball...)
- List of Available Club Facilities (Music Lab, Dance Room, Lab, Gym...)
- Contact of Club Leaders and Facility Organizers

Interactions:

- Club Leaders
 - It has matriculation number, club id and club name attributes.
 - It will have club leader information as foreign key from contact information. Each club leader will have single unique contact information.
 - It can access all events related to their club and edit, if there are multiple leaders, they can also access it and edit it.
- Facilities Organizers
 - It has location and times as attributes which can be accessed through event to book.
 - It is 1 to m as one organizer will input any number of event location and times.
 - It will have facility information as foreign key from contact information. Each facility organizer will have single unique contact information.
- Student / Person interested
 - It will have student information as foreign key from contact information. Each student will have single unique contact information.
 - It can access event to register 20:1 per event.
- Contact information
 - It will contain all users contact information such as name, phone number and email address can be accessed by all entities.
- Events
 - Event will have event id, date time and location and will be accessed by students, club leader and facility organizer.
 - It is n:m relationship with club leader as one club leader can organize several events while multiple organizers can also organize events
 - It is 20:1 with students as 20 only students can access same event at same time.

