

Relational Schema Dictionary:

Club:

Description: An organization within the university that hosts events and has members.

Attributes:

- ClubID: Integer, an identifying number for the club
- Name: Varchar(80), the name of the club
- Type: Varchar(50), the type of the club (e.g., academic, social, sports, etc.).
- FoundedDate: Date, the date when the club was founded

Primary Key: ClubID

Club Faculty:

Description: A connection between students, clubs, and faculty.

Attributes:

- ClubFacultyID: Integer, a unique identifier for the ClubFaculty relationship.
- Role: Varchar(20), specifies the role of the user in the club (e.g., member, organizer)
- JoinDate: Date, the date when the user joined the club

Primary Key: ClubFacultyID

Club Leaders:

Description: The user leaders of which clubs.

Attributes:

- Organizing Experience: Integer, experience in organizing club activities.

Primary Key: ClubFacultyID

Club Organizers:

Description: The user organizers of which clubs.

Attributes:

- Leadership Experience: Integer, experience in leadership roles.
- VisionForTheClub: Text, vision for the club's future and direction.

Primary Key: ClubFacultyID

Community Service:

Description: The club faculty hosts a community service for the club.

Attributes:

- Service: Varchar(20), specifies what the service will be

Primary Key: EventID

Foreign Key: EventID references to Event(EventID)

Discussion Forum:

Description: A digital platform designed for engaging users in online discussions.

Attributes:

- ForumID: Integer, an identifying number for the discussion forum
- Title: Varchar(100), the title of the forum
- Description: Text, a brief description of the forum's purpose
- CreatedDate: Date, the date when the forum was created
- Primary Key: ForumID

Employee:

Description: Employees within the club/university application system.

Attributes:

- Salary: Integer, the salary of the employee.

Primary Key: UserID

Foreign Key: UserID references User(UserID)

Event:

Description: Various events organized within the university by clubs.

Attributes:

- EventID: Integer, an identifying number for the event
- EventName: Varchar(80), the name of the event
- EventType: Varchar(20), specifies the type of event (workshop, seminar, social, etc.)
- Date: Date, the date of the event
- StartTime: Time, the start time of the event
- EndTime: Time, the end time of the event
- Location: Varchar(100), the location where the event will be held
- Description: Text, a brief description of the event

Primary Key: EventID

Faculty:

Description: Faculty members of the university.

Attributes:

- Department: Varchar(50), the department where the faculty member works

Primary Key: UserID

Foreign Key: UserID references User(UserID)

Graduate:

Description: Graduate students within the university.

Attributes:

- DegreeProgram: Varchar(50), the degree program the graduate student is enrolled in.

Primary Key: UserID

Foreign Key: UserID references to Student(UserID)

Post:

Description: User-generated posts within the university's club application.

Attributes:

- PostID: Integer, an identifying number for the post
- Content: Text, the content of the post
- PostedBy: Integer, the ID of the user who posted the post
- PostedDate: Date, the date when the post was created

Primary Key: PostID

Seminar:

Description: A type of event representing seminars organized by clubs.

Attributes:

- Topic: Varchar(100), the topic of the seminar
- Speaker: Varchar(100), the name of the speaker/presenter

Primary Key: EventID

Foreign Key: EventID references to Workshop(EventID)

Social:

Description: A type of event representing social gatherings organized by clubs.

Attributes:

- Activity: Varchar(100), the activity planned for the social event

Primary Key: EventID

Foreign Key: EventID references to Event(EventID)

Staff:

Description: Staff members of the university.

Attributes:

- Position: Varchar(50), the position/title of the staff member

Primary Key: UserID

Foreign Key: UserID references to User(UserID)

Student:

Description: Students enrolled in the university.

Attributes:

- Major: Varchar(50), the major of the student
- GraduationDate: Date, the expected graduation date of the student

Primary Key: UserID

Undergraduate:

Description: Undergraduate students within the university.

Attributes:

- YearLevel: Integer, the current year level of the undergraduate student

Primary Key: UserID

Foreign Key: UserID references to Student(UserID)

User:

Description: Users of the club application within the university.

Attributes:

- UserID: Integer, a unique identifier for the user
- Name: Varchar(100), the first name of the user
- UserName: Varchar(80), the username of the user
- Password: Varchar(50), the password of the user
- Email: Varchar(100), the email address of the user

Primary Key: UserID

Workshop:

Description: A type of event representing workshops organized by clubs.

Attributes:

- Topic: Varchar(100), the topic of the workshop
- Presenter: Varchar(100), the name of the presenter/organizer

Primary Key: EventID

Foreign Key: Event references to Event(EventID)

Organizes:

Description: It represents the relationship between events and clubs, indicating which club organizes which event.

Attributes:

- EventID: Integer, the unique identifier for an event.
- ClubID: Integer, the unique identifier for a club.

Primary Key: EventID and ClubID

Foreign Key: EventID references to Event(EventID)
ClubID references to Club(ClubID)

Stores:

Description: It manages the relationship between discussion forums and posts, indicating which posts are stored in which forum.

Attributes:

- ForumID: Integer, the unique identifier for a forum.
- PostID: Integer, the unique identifier for a post.

Primary Key: ForumID and PostID

Foreign Key: ForumID references to Discussion Forum(ForumID)
PostID references to Post(PostID)

Subscribe:

Description: Represents the subscription relationship between users and clubs, indicating which user subscribes to which club.

Attributes:

- UserID: Integer, the unique identifier for a user.
- ClubID: Integer, the unique identifier for a club.

Primary Key: UserID and ClubID

Foreign Key: UserID references to User(UserID)
ClubID references to Club(ClubID)

Make:

Description: Links users to the posts they make, specifying which user made which post.

Attributes:

- PostID: Integer, the unique identifier for a post.
- UserID: Integer, the unique identifier for a user.

Primary Key: PostID and UserID

Foreign Key: PostID references to Post(PostID)
UserID references to User(UserID)

Hosts:

Description: It links clubs to their faculty, indicating which club faculty member is hosting or responsible for a club.

Attributes:

- ClubID: Integer, the unique identifier for a club.
- ClubFacultyID: Integer, the unique identifier for a club faculty member.

Primary Key: ClubID and ClubFacultyID

Foreign Key: ClubID references to Club(ClubID)

ClubFacultyID references to Club Faculty(ClubFacultyID)

Becomes:

Description: Represents the transition or assignment of users to club faculty roles, indicating which user becomes a club faculty member.

Attributes:

- UserID: Integer, the unique identifier for a user.
- ClubFacultyID: Integer, the unique identifier for a club faculty member.

Primary Key: UserID and ClubFacultyID

Foreign Key: UserID references to User(UserID)

ClubFacultyID references to Club Faculty(ClubFacultyID)