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, an identifying number for the Club Faculty.
- 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:
- ClubFacultyID: Integer, the unique identifier for a ClubFaculty.
- Organizing Experience: Integer, experience in organizing club activities.

Foreign Key: ClubFacultyID references to ClubFaculty(ClubFacultyID)

Club Organizers:
Description: The user organizers of which clubs.
Attributes:
- ClubFacultyID: Integer, the unique identifier for a ClubFaculty.
- Leadership Experience: Integer, experience in leadership roles.
- VisionForTheClub: Text, vision for the club's future and direction.

Foreign Key: ClubFacultyID references to ClubFaculty(ClubFacultyID)

Community Service:
Description: The club faculty hosts a community service for the club.
Attributes:
- EventID: Integer, the unique identifier for a event.
- Service: Varchar(20), specifies what the service will be

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:
- UserID: Integer, the unique identifier for a user.
- Salary: Integer, the salary of the employee.

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:
- UserID: Integer, the unique identifier for a user.
- DepartmentID: Integer the unique identifier for the department

Foreign Key: UserID references User(UserID)
            DepartmentID references Department(DepartmentID)

Graduate:
Description: Graduate students within the university.
Attributes:
- UserID: Integer, the unique identifier for a student.
- DegreeID: Integer, the unique identifier for a degree program.

Foreign Key: UserID references to Student(UserID)
            DegreeID references to DegreePrograms(DegreeID)

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:
- EventID: Integer, the unique identifier for a event.
- Topic: Varchar(100), the topic of the seminar
- Speaker: Varchar(100), the name of the speaker/presenter

Foreign Key: EventID references to Event(EventID)

Social:
Description: A type of event representing social gatherings organized by clubs.
Attributes:
- EventID: Integer, the unique identifier for a event.
- Activity: Varchar(100), the activity planned for the social event

Foreign Key: EventID references to Event(EventID)

Staff:
Description: Staff members of the university.
Attributes:
- UserID: Integer, the unique identifier for a user.
- PositionId: Integer, the unique identifier for position

Foreign Key: UserID references to User(UserID)
            PositionID references to Position(PositionID)

Student:
Description: Students enrolled in the university.
Attributes:
- UserID: Integer, the unique identifier for a student.
- Major: Varchar(50), the major of the student
- GraduationDate: Date, the expected graduation date of the student

Foreign Key: UserID references to User(UserID)

Undergraduate:
Description: Undergraduate students within the university.
Attributes:
- UserID: Integer, the unique identifier for a student.

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

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:
● EventID: Integer, the unique identifier for a event.
● Topic: Varchar(100), the topic of the workshop
● Presenter: Varchar(100), the name of the presenter/organizer

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.

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.

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.

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.

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.

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.

Foreign Key: UserID references to User(UserID)
         ClubFacultyID references to Club Faculty(ClubFacultyID)

Establishes:
Description: Creates a relationship table for club table and discussion forum table
Attributes:
      ● ClubID: Integer, the unique identifier for a club.
      ● ForumID: Integer, the unique identifier for a forum.

Foreign Key: ClubID references to Club(ClubID)
         ForumID references to DiscussionForum(ForumID)

Positions:
Description: Creates a table for positions
      ● PositionID: Integer, the unique identifier for a club.
      ● Name: Varchar(50), the position/title of the staff member
      ● Description Varchar(100) : The description of the position/title

Primary key: PositionID

Positions:
Description: Creates a table for positions
Attributes:
- PositionID: Integer, the unique identifier for a club.
- Name: Varchar(50), the position/title of the staff member
- Description Varchar(100) : The description of the position/title

Primary key: PositionID

Departments:
Description: Creates a table for departments
Attributes:
- DepartmentID: Integer, the unique identifier for a club.
- Name: Varchar(50), the department where the faculty member works
- Description Varchar(100) : The description of the department

Primary key: DepartmentID

DegreePrograms:
Description: Creates a table for departments
Attributes:
- DegreeID: Integer, the unique identifier for a degree.
- Name: Varchar(50), the name of the degree program
- Description Varchar(100) : The description of the degree program

Primary key: DegreeID