Entity-Relationship Diagram

Students
- **StudentID**
- Name

Clubs
- **ClubID**
- ClubName
- Budget

Membership
- *StudentID*
- *ClubID*

Faculty
- **FacultyID**
- Name

Advisors
- *FacultyID*
- *ClubID*

Events
- **EventID**
- *ClubID*
- Title
- Date

Attendance
- *EventID*
- *StudentID*

Rooms
- **RoomID**
- Building

Reservations
- **ReservationID**
- *EventID*
- *RoomID*

Expenses
- **ExpenseID**
- *ClubID*
- Amount

2) Students(StudentID PK, Name)
Clubs(ClubID PK, ClubName, Budget)
Membership(StudentID PK/FK, ClubID PK/FK)
Faculty(FacultyID PK, Name)
Advisors(FacultyID FK, ClubID PK/FK)
Events(EventID PK, ClubID FK, Title, Date)
Attendance(EventID PK/FK, StudentID PK/FK)
Rooms(RoomID PK, Building)
Reservations(ReservationID PK, EventID FK, RoomID FK)
Expenses(ExpenseID PK, ClubID FK, Amount)

3) For officers: I could put OfficerRole in Membership or make a new table.
I choose to keep it inside Membership (simpler).

4) 1. Find students in the Computer Science Club.
2. List all events next week with their rooms.
3. Show expenses for each club.