

University Club & Event Management System

Database Design Project

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Overview

The University Club & Event Management System is designed to centralize and streamline how student organizations manage memberships, events, resource reservations, and finances.

Problem Statement

Clubs use scattered spreadsheets and manual processes

Hard to track memberships, event attendance, and finances

No centralized visibility for advisors and administrators

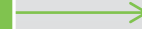
Data errors and inefficiency are common

Project Objective

Centralize all club
and event
operations into one
database

Improve accuracy,
accountability, and
decision-making

Automate reports
and reduce manual
work



Key Features



Membership management



Event scheduling and attendance tracking



Resource (room/equipment) reservations



Financial tracking: dues, ticket sales, expenses



Role tracking for officers vs general members

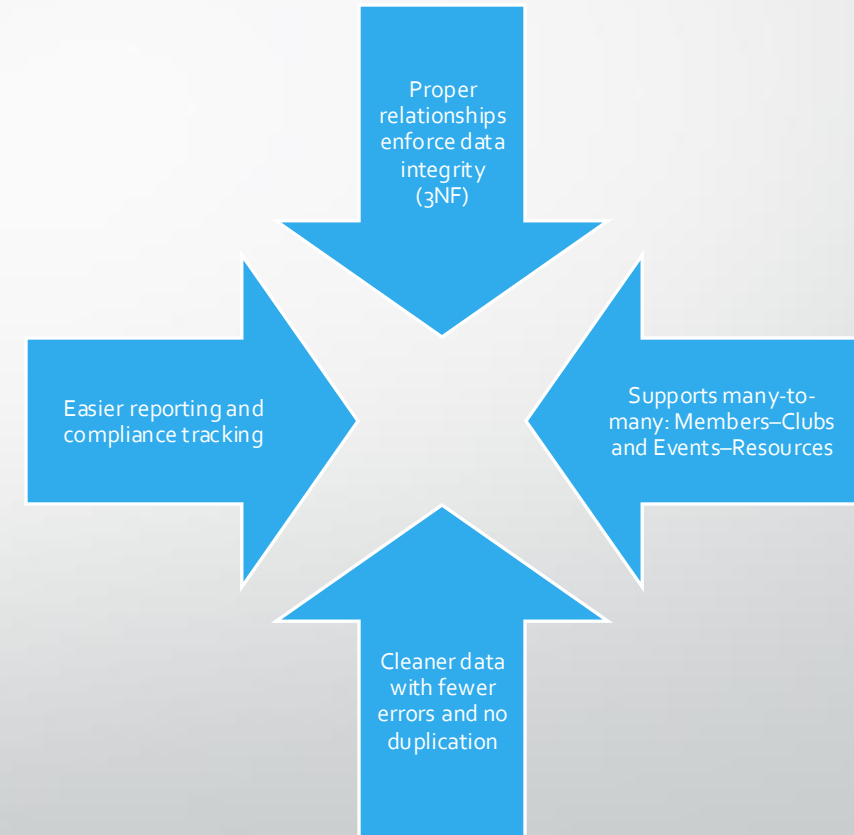
Main Users

- Club officers
- Faculty advisors
- Student activities/engagement office

Main Entities / Tables

- Club
- Member
- ClubMembership
- Event
- EventAttendance
- Resource
- EventResourceReservation
- Transaction

Why the Design Works



Example Queries

- OMIS majors attending last 3 events of a specific club
- Financial summary by club and timeframe
- Most active members based on attendance
- Events going over budget
- Resource utilization by department

Forms & User Interface

- Club main form with member + event subforms
- Event main form with attendance subform
- Transaction entry form for payments and expenses



Reports Generated

- Event attendance report
- Club financial summary report
- Member participation report
- Upcoming events schedule
- Resource usage report

Benefits to the University

- Accurate attendance + funding oversight
- Better resource allocation
- Improved student engagement tracking
- Faster administrative auditing



ERD DIAGRAM

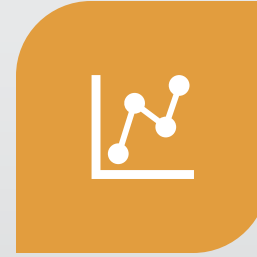
Future Enhancements

- Role-based security permissions
- Integration with student information systems
- Power BI/Tableau dashboards
- QR-code check-in / online registration

Conclusion



CENTRALIZED
SOLUTION FOR ALL
CLUB ACTIVITIES



EFFICIENT,
SCALABLE, AND
DATA-DRIVEN



SUPPORTS BOTH
OPERATIONAL AND
STRATEGIC GOALS