CASE STUDY

INFO-610-C02-SU2023 - ANALYSIS & DESIGN OF DATABASE SYSTEM

CREATING A DATABASE FOR CHRIST UNIVERSITY ACTIVITIES - ERD
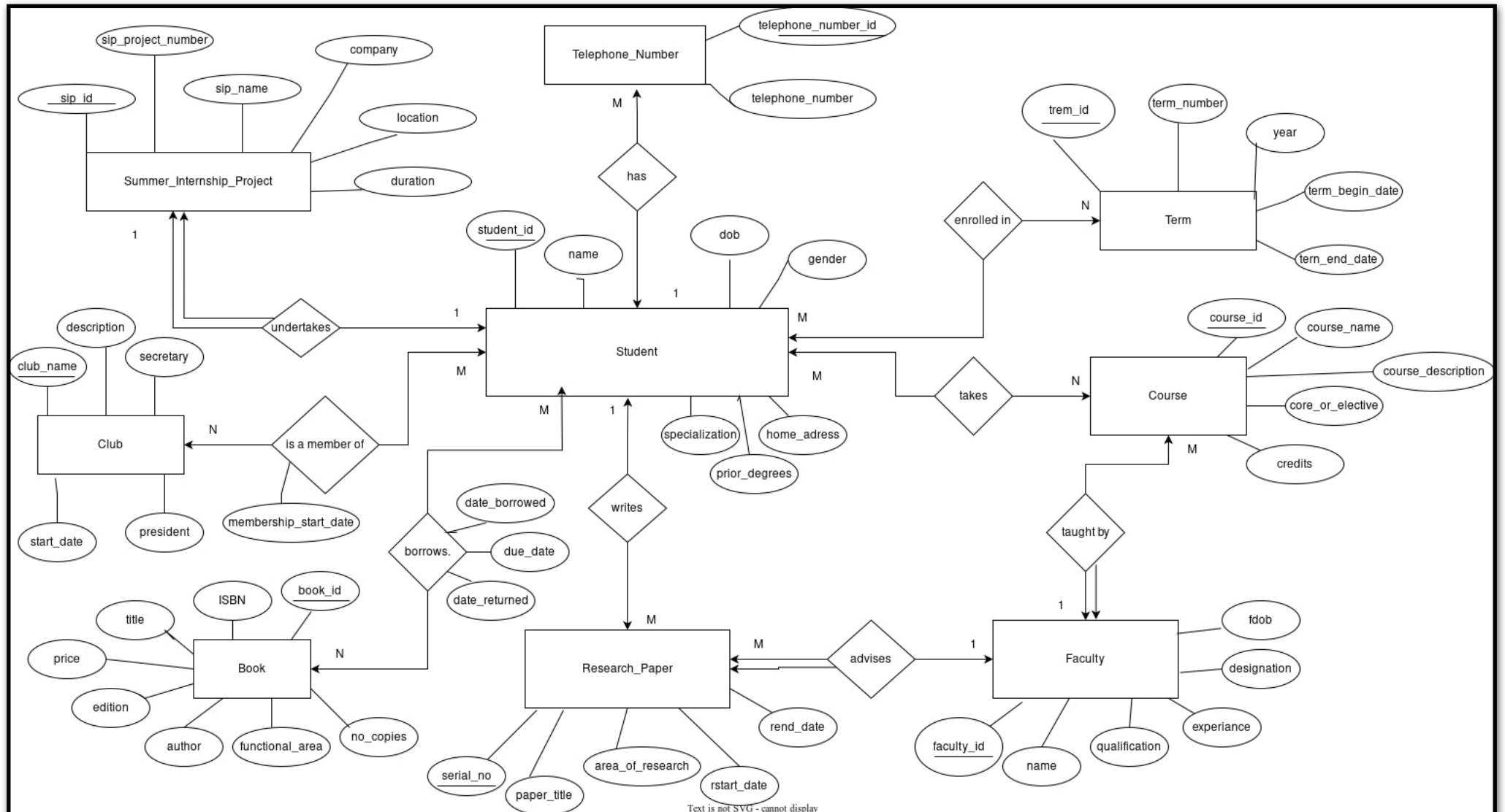
GROUP MEMBERS

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01-07–2023

ENTITY RELATIONSHIP DIAGRAM

The explanation for the ERD drawn:

1. Each Student is SOMETIMES associated with 0 to N Courses via the relationship "takes."
2. Each Course is SOMETIMES associated with 0 to M Student via the relationship "takes."
3. Each Course is SOMETIMES associated with 0 to 1 Faculty via the relationship "taught by."
4. Each Faculty is ALWAYS associated with 0 to M Course via the link "taught by."
5. Each Student is SOMETIMES associated with 0 to N Books via the relationship "borrows."
6. Each Book is SOMETIMES associated with 0 to M Student via the relationship "borrows."
7. Each Student is SOMETIMES associated with 0 to M Research_Papers via the relationship "writes."
8. Each Research_Paper is SOMETIMES associated with 0 to 1 Student via the relationship "writes."
9. Each Faculty is sometimes associated with 0 to M Research_Papers via the relationship "advice."
10. Each Research_Paper is ALWAYS associated with 0 to 1 Faculty via the relationship "advice."
11. Each Student is SOMETIMESassociated with 0 to N Clubs via the relationship "is a member of."
12. Each Club is SOMETIMES associated with the 0 to M Student via the relationship "is a member of."
13. Each Student is SOMETIMES associated with 0 to 1 Summer_Internship_Project via the relationship "undertakes."
14. Each Summer_Internship_Project is ALWAYS associated with 0 to 1 Student via the relationship "undertakes."
15. Each Student is SOMETIMES associated with 0 to N Terms via the relationship "enrolled in."
16. Each Term is SOMETIMES associated with 0 to M Student via the relationship "enrolled in."
17. Each Student is SOMETIMES associated with 0 to M Telephone_Number via the relationship "has."
18. Each Telephone_Number is SOMETIMES associated with 0 to 1 Student via the relationship "has."