



**National University**  
of computer and emerging sciences

# *Semester Project*

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## *Database Systems*

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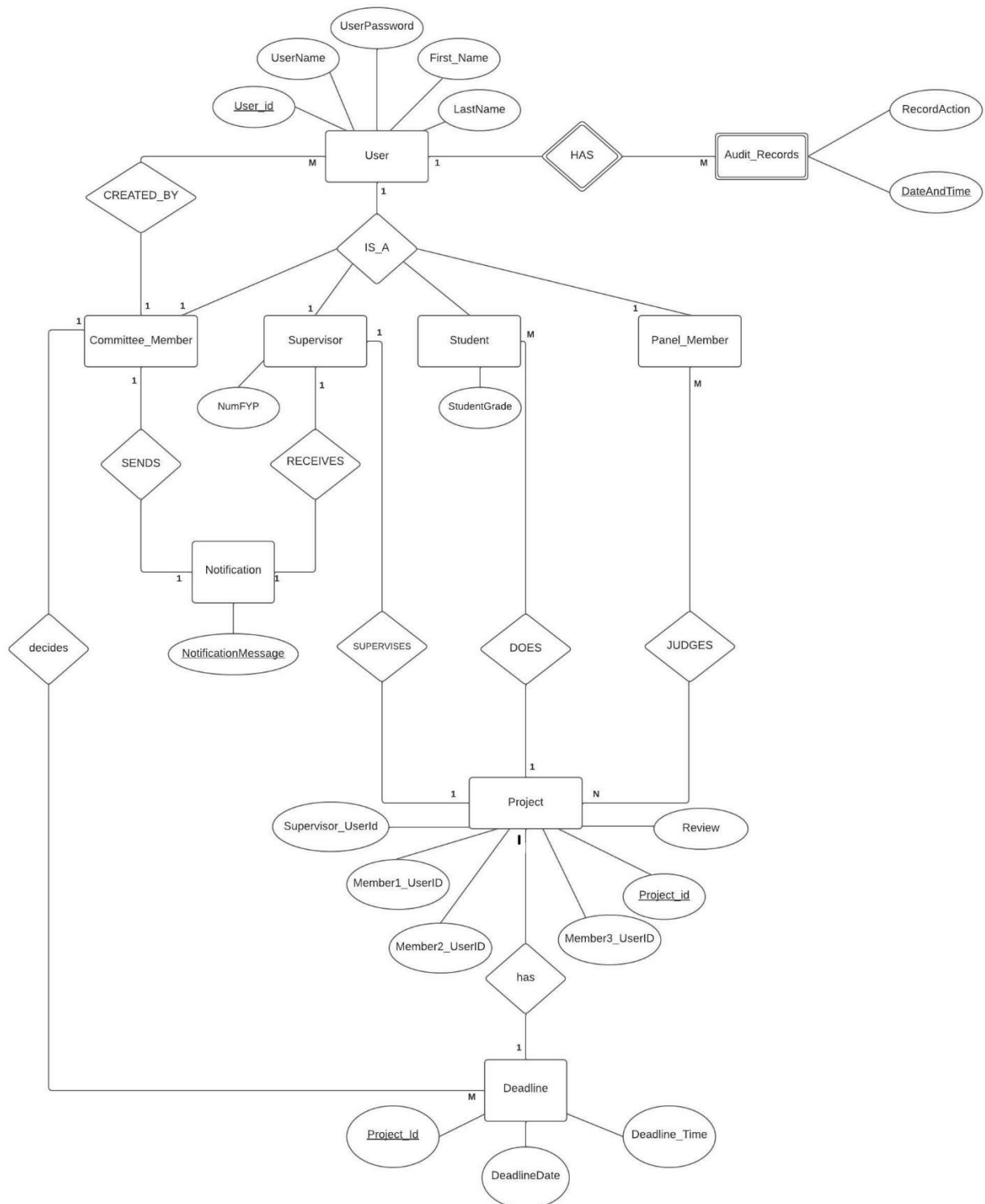
*BSCS (Section G)*

Date of Submission: 05<sup>th</sup> June 2022

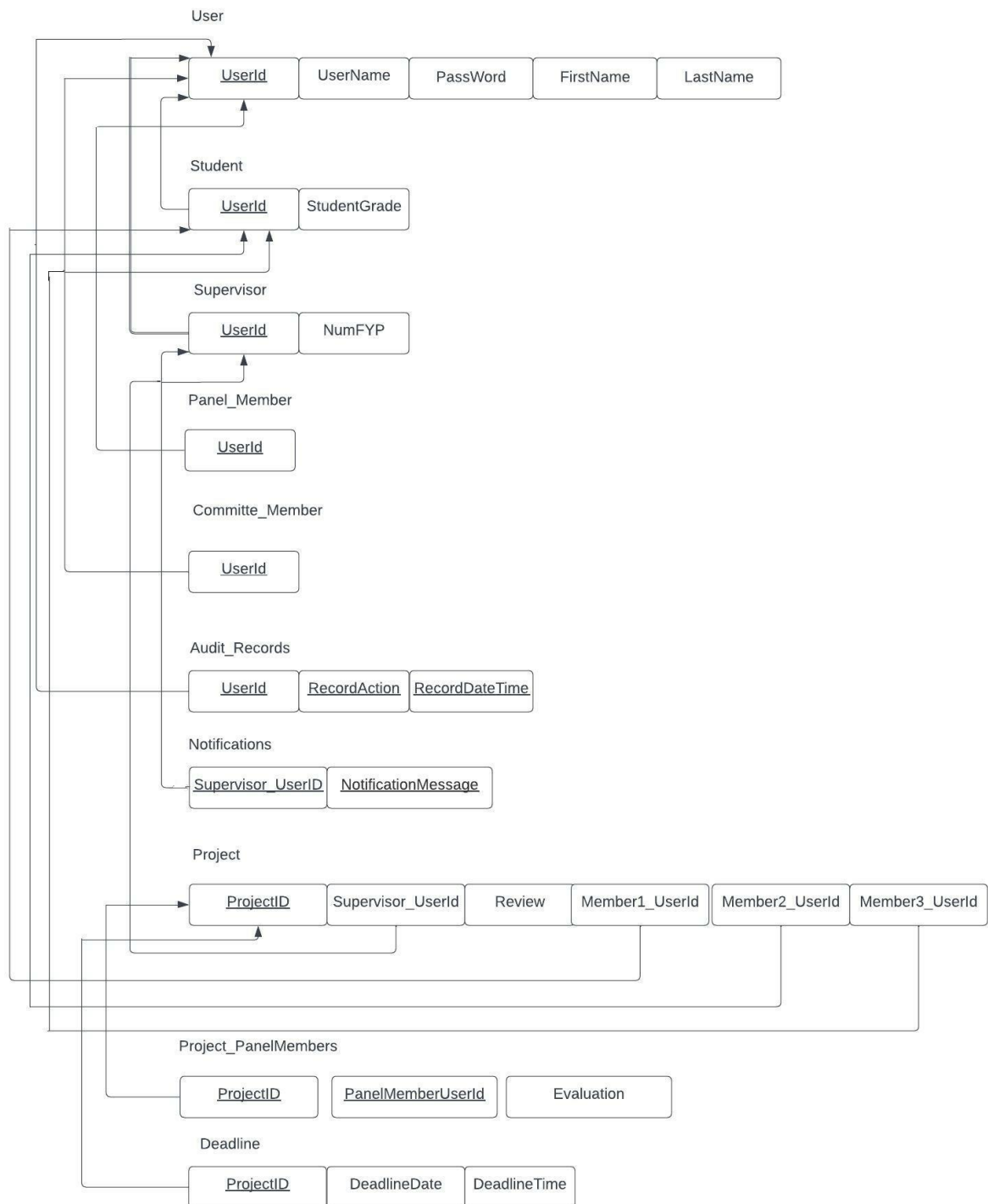
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# Entity Relationship Diagram

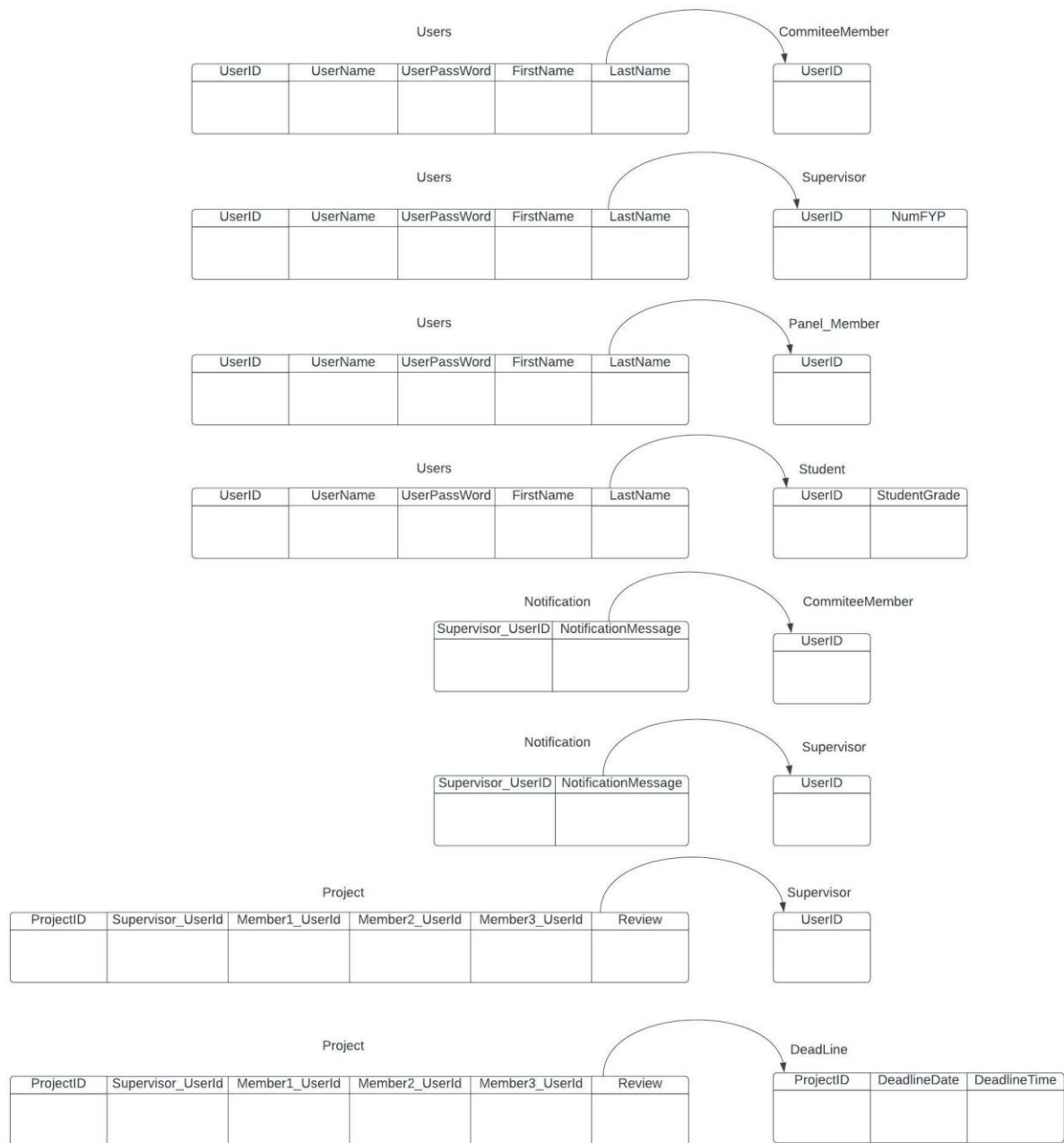


# **Relational Database Schema**



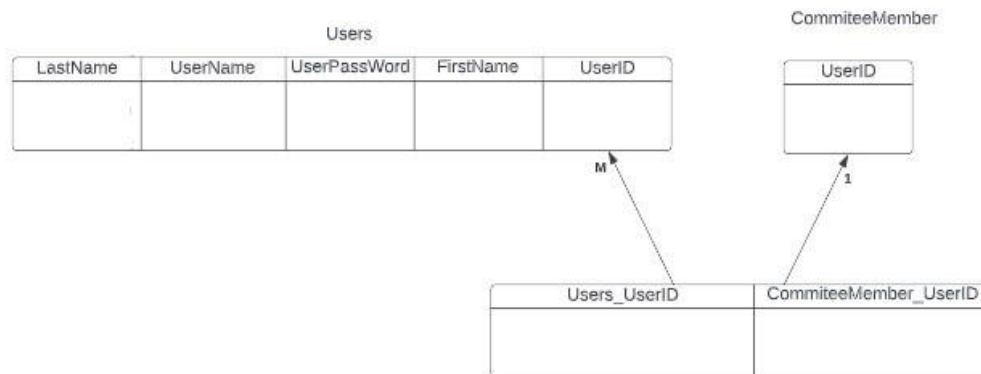
# Mapping of Relationships

## 1) ONE TO ONE (1-1) Relationships in Database:

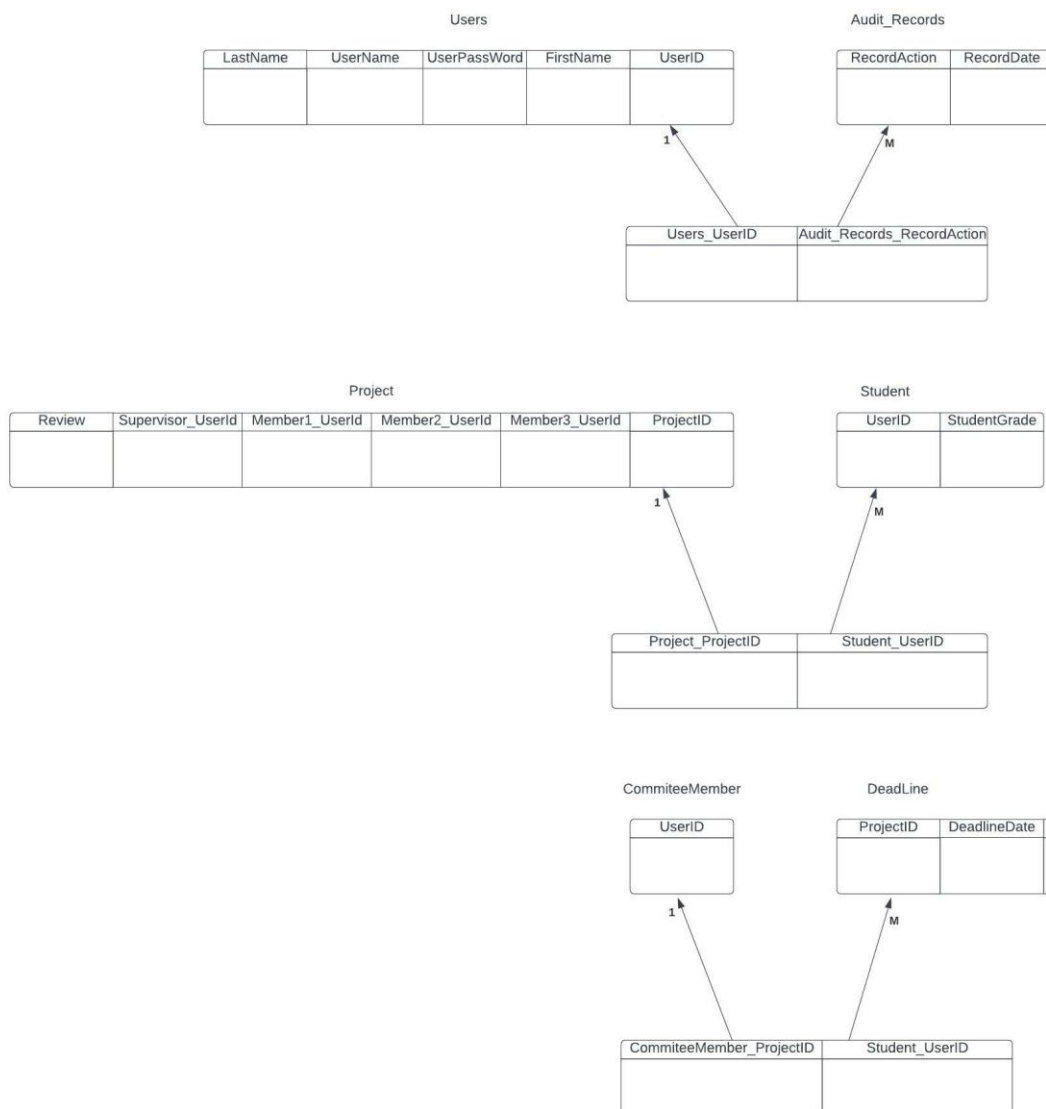


## 2) One to Many (1-M) Relationships in Database:

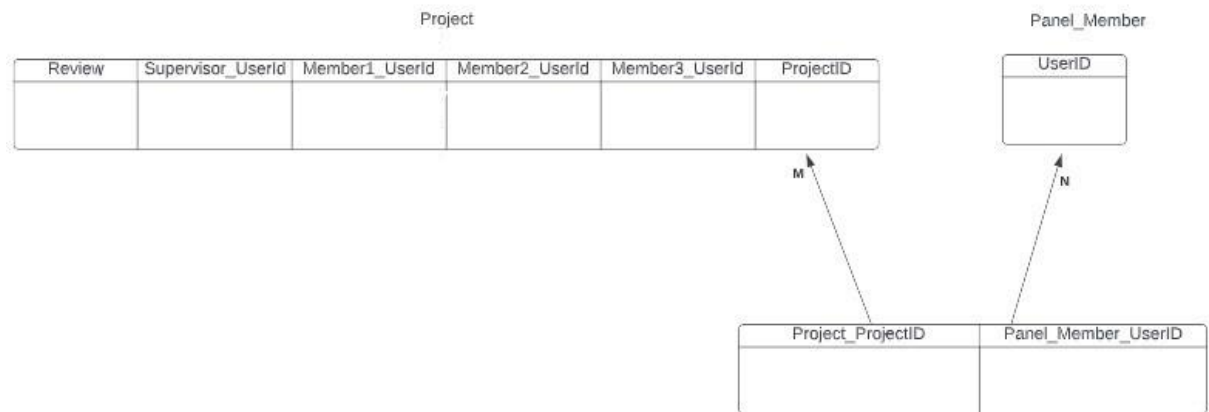
**Committee Member can create Users**



**Other One to Many Relationships**



### 3) Many to Many (M-N) Relationships in Database:



### Data Flow Diagram

