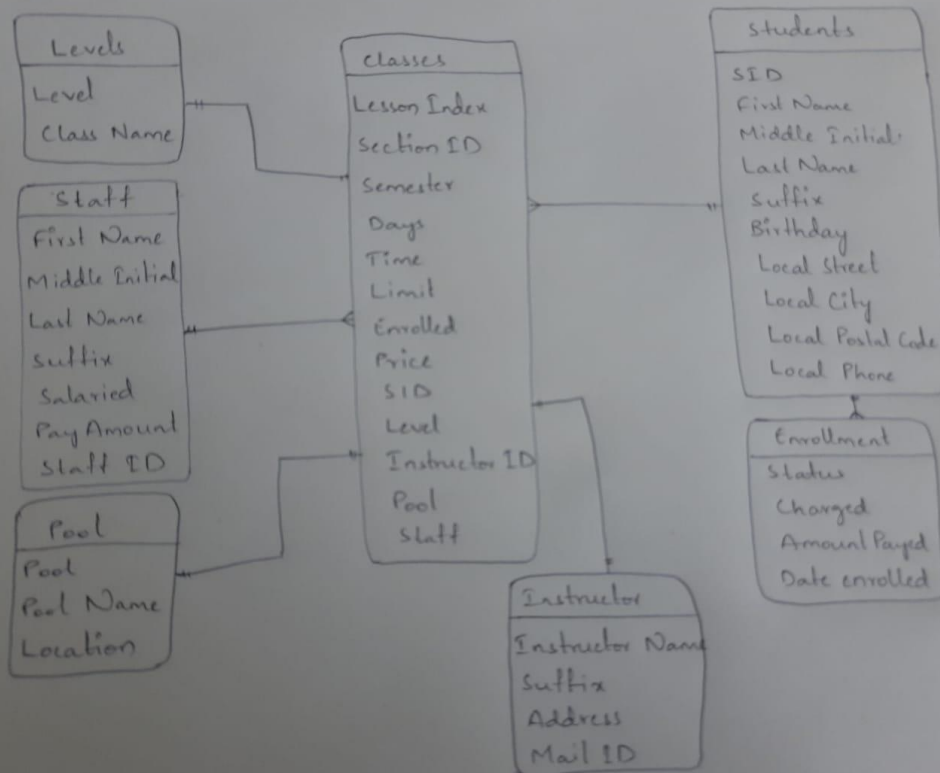


RASSE LOKESTI BABU
20BC1067

Schema

(1) levels	(2) pool	(3) staff	(4) classes	(5) Enrollment	(6) students
level - (PK) class name - text (25) - null are not allowed.	Pool - (PK) pool name - text 25 - null are not allowed	first name (text 20) middle initial (text 3) last name (text 20) suffix (text 3) salaried - (B?) pay amount (money) staff ID - (PK)	lesson index - PK level - integer FK section ID - integer semester - (int) days - text 20 time - date time pool - integer FK instructor (FK) limit - int enrolled - int price - money	lesson index - (integer PK) SID - integer FK (lesson index and SID) PK status - (text 30) charged - bit amount paid - money date enrolled - date time	SID - PK first name - text 20 middle initial - text 3 last name - text 30 suffix - text 3 birthday - date time local street - text 30 local city - text 20 local postal code - text 6 local phone - int

1) Conceptual Data model



2) It is a binary relation in every relation.

- * relation between Levels table and classes table is one to one.

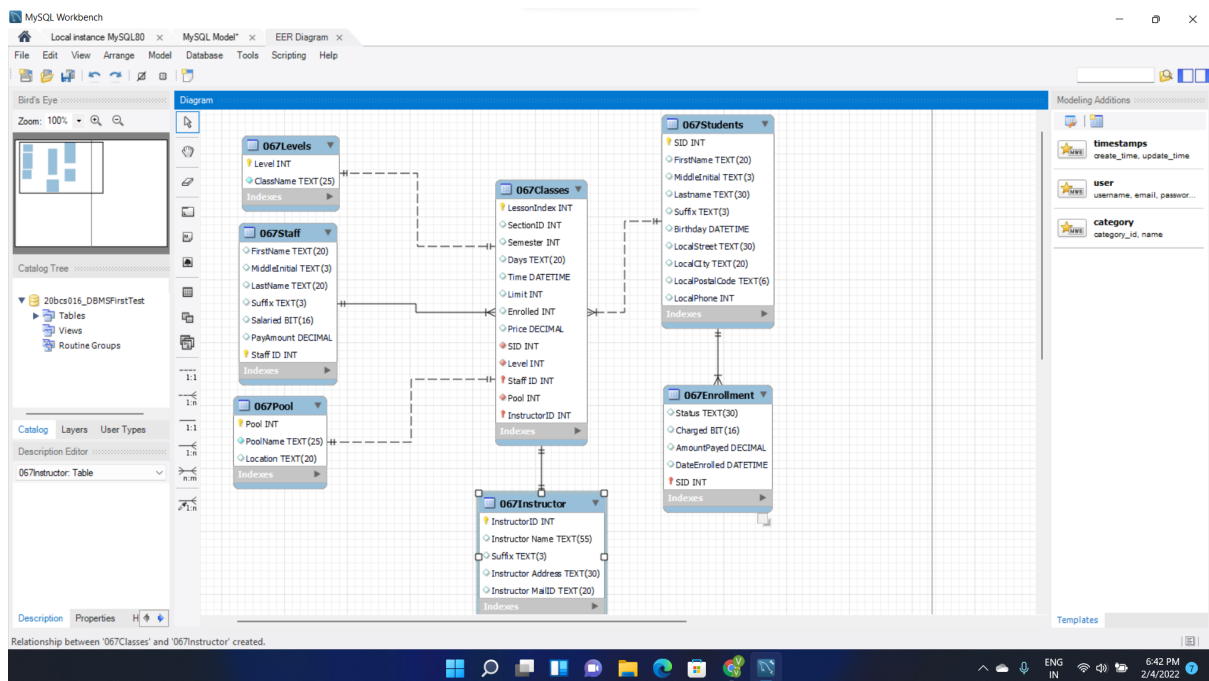
- * relation between staff and classes is one to many.

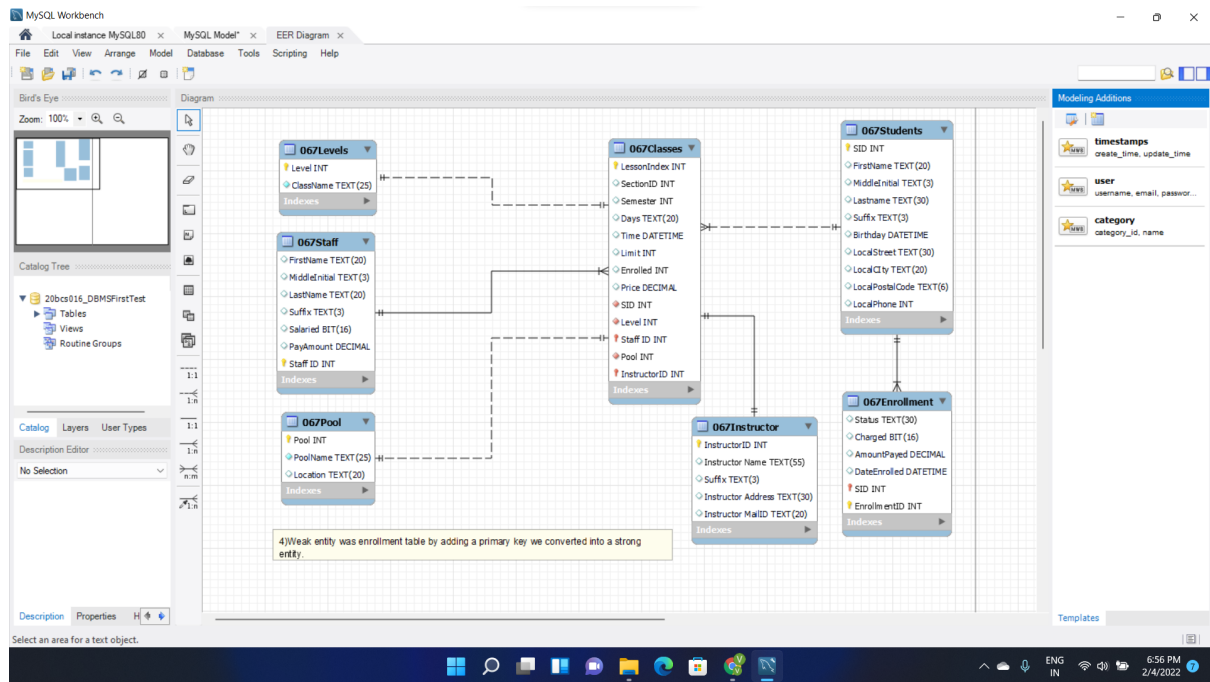
- * relation between pool to classes is one to one.

- * relation between students and classes is one to many.

- * relation between instructor to classes is one to one.

- * relation between students and enrollment is one to many.





5) The only data redundancy in the physical data model created is the attribute suffix. The name of the instructor may have been repeated in staff. So, the whole name was stored as 1 attribute ~~at~~ unlike staff table to reduce data redundancy.