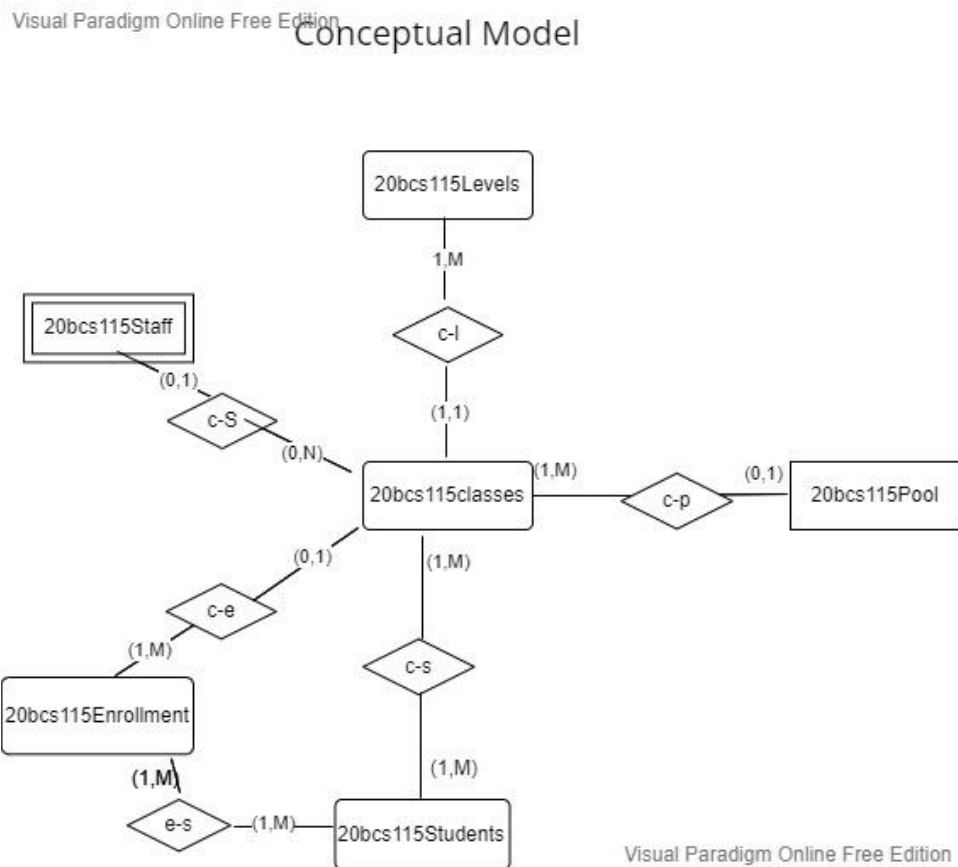


DBMS QUIZ 1

Note for evaluator: Since I haven't attended any lab due to my health issue which I already informed to lab instructor, I used an online tool called Visual Paradigm since it is similar to adobe xd {which I used to work with for UI} in terms of designing, so please excuse my method.

1.

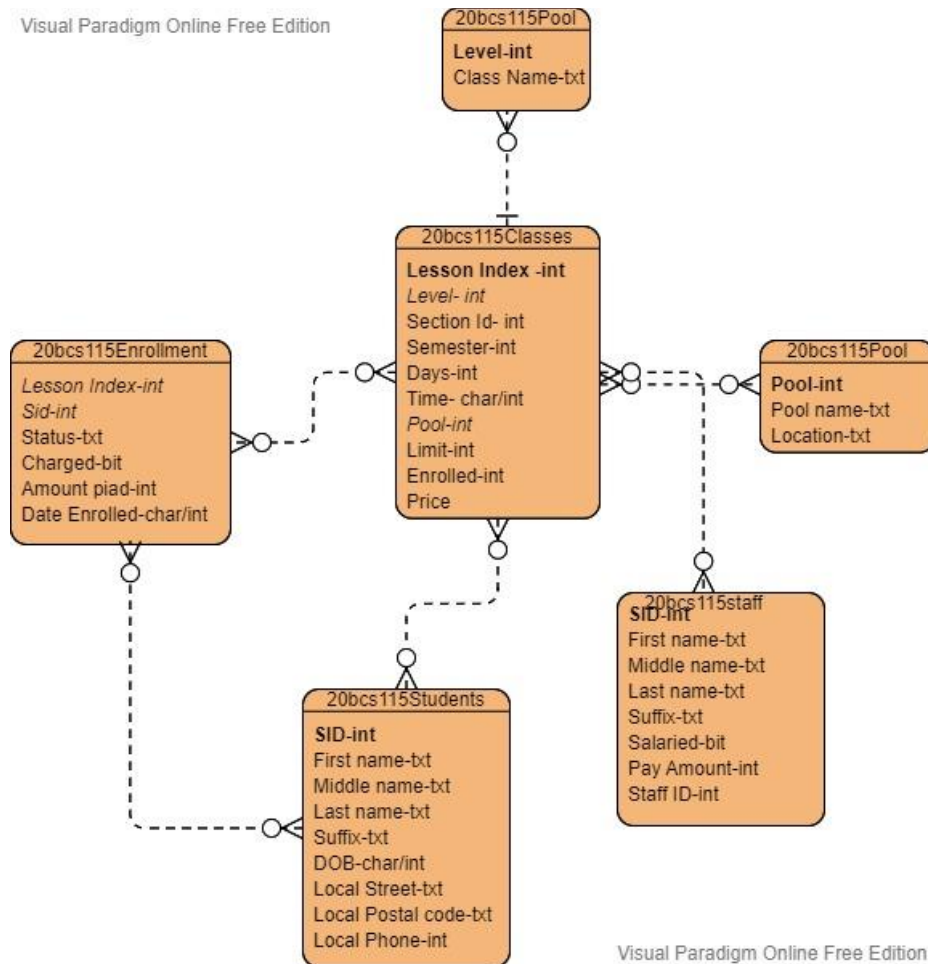


The Above Image is a conceptual data model for the given relations.

Some assumptions been made to clear the (min, max constraints)

Physical data model

Visual Paradigm Online Free Edition



In the above ERD, the primary keys are written in bold and the foreign keys are in italic format.

Ans3] Yes there is a weak entity, the relation tbl staff doesn't have any key that can identify or relate uniquely. It can be made onto strong entity by adding any unique attribute as a tuple for that relation.