Schema Diagram

Rules for Drawing Schema Diagrams

Schema: is structure that represents logical storage of data in data base

=> It represents organization of data and provide information about relationships in btw ~~a given~~ table in a given data base.

Rules

- For regular entities, create a relation and indicat it's primary key
- For weak entities, create a relation with it's name and include its own attributes and the P.K of the entity it's dependent on as a F.K. P.K would be a mixture of F.K and its own partial key

For 1-1 relationship

↳ P.K of partially participating entity acts as F.K in relation, include all attributes

↳ For total participation of both entity, include all attribute in relation table and chose P.K

- For 1-N relationship

↳ include P.K of entity on 1-side as a F.K in relation table of N-side

- For M-N relationship

↳ make a relation according to relationship name, include attributes of relation only and add P.K of both entities as F.K

The combo of both F.Ks will acts as P.K

- For multivalued attribute

↳ make a seperate relation with attribute of same name.

↳ The P.K of main entity will be a F.K in this table and will act as a primary key

- For EER

↳ each subclass will have its own relation containing its own specific attributes and the P.K of superclass will act as F.K in relation.

↳ as subclasses don't have P.K so we would underline these F.K as P.K

Example