

GOALS during Mapping

- Preserve all information (that includes all attributes)
- Maintain the constraints to the extent possible
- Minimize null values

ER-to-Relational Mapping Algorithm

Step 1: Mapping of Regular Entity Types.

- For each regular (strong) entity type E in the ER schema, create a relation R that includes all the simple attributes of E.
- Choose one of the key attributes of E as the primary key for R.
- If the chosen key of E is composite, the set of simple attributes that form it will together form the primary key of R.