1. Convert the ERD shown in Figure 3 into tables. List the conversion rules used and table design. For each table, you should list the primary key, foreign keys, other columns, and NOT NULL constraints for foreign keys if necessary. You do not need to write CREATE TABLE statements.



Solution

**Rules:**

Entity Type Rule: Identifying the primary key for respective entity

M-N Relationship Type Rule: Shares M-N Relationship Rule

**Table:**

Owner(OwnId, OwnName, OwnPhone)

Property(PropoID, BldgName, UnitNo, Bdrms)

Shares(OwnID, PropID, StartWeek, EndWeek)

FOREIGN KEY (OwnID) REFERNCES Owner

FOREIGN KEY(PropID) REFERENCES Propoerty