Problem 6:

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.



Figure 3: ERD for Conversion Problem 6

SCHEMAS OF THE TABLED FOR ABOVE ENTITY-RELATION ARE:

Owner( OwnId PRIMARY KEY, OwnName , OwnPhone)

Property( PropId PRIMARY KEY, BldgName, UnitNo, Bdrms)

Shares(OwnId, PropId, StartWeek, EndWeek, PRIMARY KEY(OwnId, PropId))

FOREIGN KEY(OwnId) REFERENCES(Owner)

FOREIGN KEY(PropId) REFERENCES(Property).

CONVERSION RULES USED:

1. Entity rule is used to convert entities into tables.
2. M-N relation rule is used to create a new table for the relation with primary keys of participating entities.