6. 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

Solution:

Table Name – Owner

Primary Key – OwnId

Other columns – OwnName, Own Phone

Table Name – Shares

Primary key – OwnID,PropID

Foreign Key – OwnId, PropId

Other Columns – Start Week, End Week

Table Name – Property

Primary Key – PropID

Other columns – BldgName, UnitNo, Bdrms

Conversion rules:

Entity type conversion rule for all entity

M-N relationship conversion – Shares table with combined Foreign keys