# The Estate Home Management System

1. Define an ERD for the following narrative. The database should track homes and owners. A home is either owner occupied or rented. An owner can possess one or more homes. Each home has only one owner.
2. Refine the ERD from problem 1 by adding an agent entity type. Agents represent owners in the sale of a home. An agent can list many homes, but only one agent can list a home. When an owner agrees to list a home with an agent, a commission (percentage of the sales price) and a selling price are determined.
3. In the ERD from problem 2, transform the attribute, office identifier, into an entity type.
4. In the ERD from problem 3, add a buyer entity type An agent can work with many buyers, but a buyer works with only one agent.
5. Revise the ERD from problem 5 by adding an offer entity type. A buyer makes an offer on a home for a specified sales price. The offer starts on the submission date and time and expires on the specified date and time. A unique offer number identifies an offer. A buyer can submit multiple offers for the same home.