

## Real-State Project

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Prepare an E-R diagram for a real estate firm that lists properties for sale. The following describes this organization:

- 1) The firm has a number of sales offices in several states. Attributes of sales office include Office Number and Location.
- 2) Each sales office is assigned one or more employees. Attributes of employee include
  - i. Employee\_ID and Employee\_Name. An employee must be assigned to only one sales office.
- 3) For each sales office, there is always one employee assigned to manage that office.
- 4) The firm lists property for sale. Attributes of property include Property\_ID and Location. Components of Location include Address, City, State, and Zip\_Code.
- 5) Each property must be listed with one (and only one) of the sales offices. A sales office may have any number of properties listed, or may have no properties listed.
- 6) Each property may have zero or more owners. Attributes of owners are Owner\_ID and
  - i. Owner\_Name. An owner may own one or more properties. The system stores the percent owned by each owner in each property.