**The following describes a real estate firm:**

The firm has a number of sales offices in several districts. Attributes of sales office include unique Office\_ID and set of Locations.

Each sales office is assigned to one or more employees. Attributes of the employee include Employee\_ID (identifier) and Employee\_Name with details of First\_Name and Last\_Name. An employee must be assigned to only one sales office. For each sales office, there is always one employee assigned to manage that office

An employee can either be Secretary (characterized by: Typing\_speed), Technician (characterized by: Grade) or Engineer (characterized by: Type)

The firm lists property for sale. Attributes of the property include unique Property\_ID and Location. Each unit of the property may be listed in one or more sales offices.

**Draw an E-R diagram, please indicate identifiers, Cardinality Ratio, and participation constraints (partial and total) to represent a data model for the firm and consider the following** **Assumptions**:

* A sales office must have at least one employee assigned to it
* A sales office must be managed by an employee but not all employees are necessarily managers.
* A sales office must list at least one property.
* A property must belong to at least one sale office.