Vista Enthusiasts

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12 February 2020

6. Identify main entities, relations, connectivities among entities. Also identify the type of existent dependence in ALL relationships. The problem also asks you to provide two real world examples of reports that can be generated from this database.
   - Entities:
     - Automata, Inc.
     - Department Type
     - Vehicle Type
     - Inventory
     - Parts
     - Supplier
     - Order
   - Relations, Dependency, and Connectivities:
     - Automata, Inc. has many departments
       - The company can exist on its own
       - 1:N
     - Each department produces one type of specialty vehicle
       - 1:1
     - One vehicle contains many parts
       - 1:N
     - Their inventory contains many parts
       - 0:N
     - Each item can have many suppliers
       - The supplier can exist on its own
       - 0:N
     - Each order can have many parts
       - 0:N
   - Reports
     1. We can generate a report about item prices to compare part suppliers.
     2. Another report could determine whether or not parts overlap between vehicles. If multiple vehicles use the same parts, those parts should be ordered on a more frequent basis.

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9. Create a relational diagram to show relationships between the entities depicted in Figure P3.10