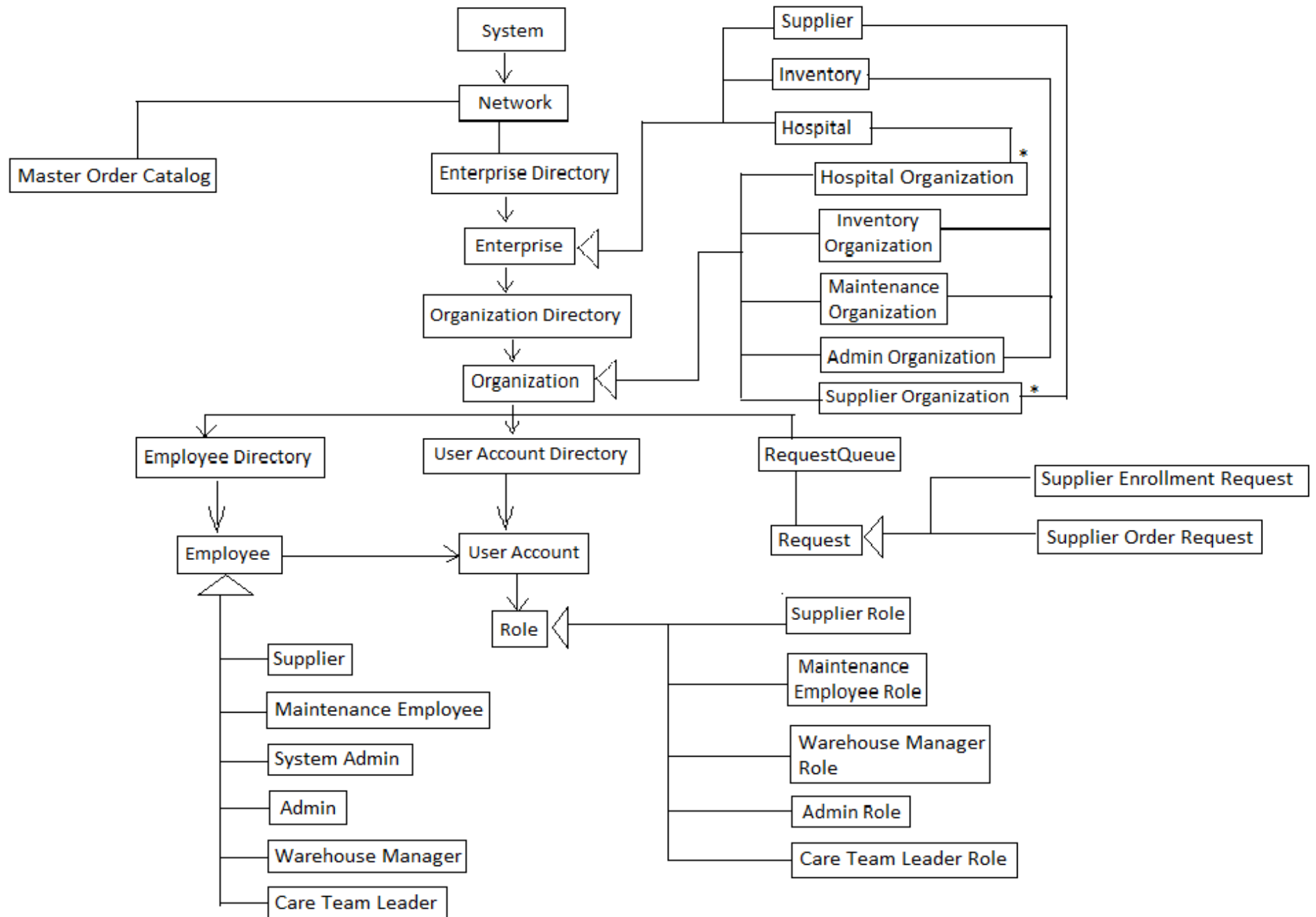
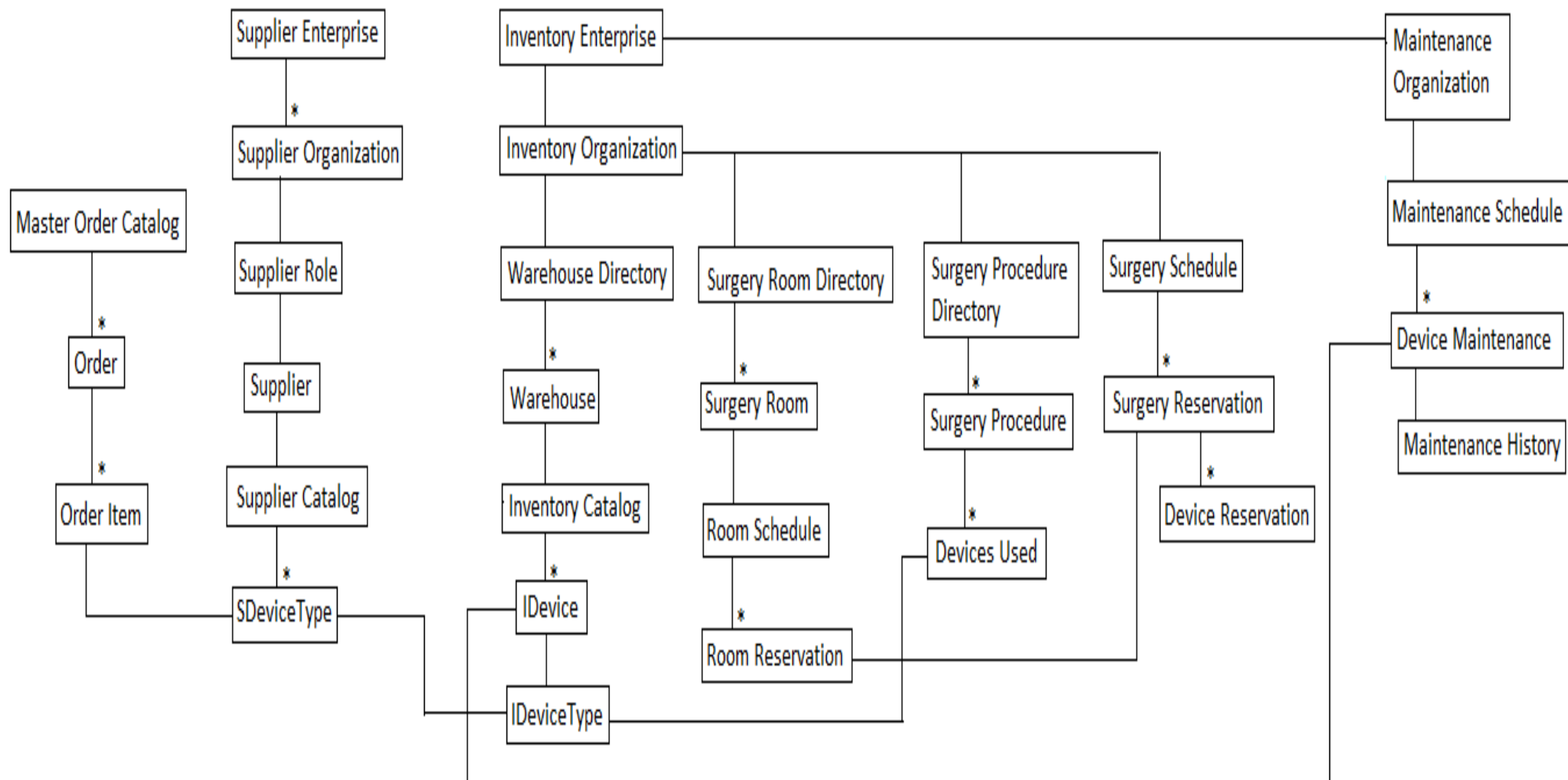


Object Model Diagram





The object model represents an Ecosystem type of a structure where the system contains multiple networks. A network may represent a city or a state such that all the Hospitals, Suppliers and Warehouses in a network will be in this city/state. A network consists of 3 type of Enterprises:

- **Inventory Enterprise-** This enterprise contains 3 organizations:
 - **Inventory Organization:** This is the main organization in this enterprise that contains list of all the Warehouses within the network (each Warehouse contains Inventory Catalog of all the devices in it), list of all the Surgery Rooms, Surgery Procedures, and Surgery Schedules (list of all the reservations).

- Maintenance Organization: This organization consists of a Maintenance Schedule which is a list of all the Device Maintenance that need to be carried out by a Maintenance Employee
 - Admin Organization: This organization is for the Network Admin and has his RequestQueue.
- Supplier Enterprise- This enterprise contains organization of all the Suppliers within the network. Every time a new Supplier is added, a SupplierOrganization is created and added to this enterprise. This has been done so that all the suppliers can be categorized into one enterprise but they will still have their own separate Work Request Queues, User Account Directories, etc.
- Hospital Enterprise- This enterprise contains organization of all the Hospitals within the network. Every time a new Hospital is added, a HospitalOrganization is created and added to this enterprise. This has been done so that all the Hospitals in the network can be categorized into one enterprise but they will still have their own separate Work Request Queues, User Account Directories, etc.