Destiny Bazan

Bacchus Winery

Business Rules and Assumptions:

1. Winery has 4 types of wines
   1. Merlot
   2. Cabernet
   3. Chablis
   4. Chardonnay
2. Winery employs for people
   1. Janet Collins- Finance
   2. Roz Murphy- Marketing
   3. Henry Doyle- Production
   4. Maria Costanza- Distribution
3. Each employee to one department
4. There are 3 supplies
   1. Bottles and corks
   2. Labels and boxes
   3. Vats and tubing
5. Suppliers deliver monthly and are tracked for on time delivery
6. Distributors order online and track shipments of the wines.
7. Employees working hours are tracked for payroll
8. Sales data needs to be collected per wine type to evaluate market performance

ERD Components:

1. Entities:
   1. Employee
   2. Wine
   3. Supplier
   4. Distributor
   5. Order
   6. Delivery
   7. Inventory
2. Relationships:
   1. Employee works in Department
   2. Wine supplied by Supplier
   3. Distributor orders Wine
   4. Delivery association with Order
   5. Inventory tracks the amount of Supplies received from Supplier

Attributes:

1. Employee:
   1. EmployeeID
   2. Name
   3. DepartmentID
   4. HoursWorked
2. Wine:
   1. WineID
   2. WineType
   3. SalesVolume
3. Supplies:
   1. SupplierID
   2. Name
   3. ComponentType
4. Distributor:
   1. DistributorID
   2. Name
   3. ContactInfo
5. Order
   1. OrderID
   2. DistributorID
   3. OrderDate
   4. ShipDate
6. Delivery
   1. DeliveryID
   2. OrderID
   3. ExpectedDate
   4. ActualDate
7. Inventory:
   1. InventoryID
   2. WineID
   3. QualityInStock