Team Blue – Module 9

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Bacchus Winery Case Study

Business Rules:

* One SUPPLIER can ship more than one SUPPLY
* One SUPPLY has one ORDER
* One MANAGER can oversee one or more EMPLOYEES
* One MANAGER or more managers is in charge of one DEPARTMENT
* One DISTRIBUTOR may sell multiple WINES
* One EMPLOYEE works in one DEPARTMENT
* One DEPARTMENT has one or more ORDERS
* One or more HOURS are clocked by one EMPLOYEE

Assumptions:

* Hours worked by each employee are tracked and added on a monthly basis.
* Online systems need to be implemented for ordering supplies and tracking distributions.
* Distributors will place and manage their orders online.
* Wine is sold in cases to each distributor.
* Each case contains 12 bottles of wine.
* Wine cost per case includes shipping costs to distributor.
* Wines produced and sold are tracked using a unique Wine ID.
* Each wine type sold is ordered and tracked by distributor for each wine type.
* Each supply is ordered and tracked individually by supplier and order number.
* Suppliers will provide shipping date and estimated delivery date when supply orders are placed.
* Supply inventory will be tracked to ensure proper inventory levels for production.
* Actual delivery date of supplies may not be the same as the expected delivery date.

Initial ERD:

A diagram of a software company

AI-generated content may be incorrect.