

Team Blue – Module 9

Amanda Wedergren

Miguel Fernandez

Jonah Aney

Justin Marucci

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:

