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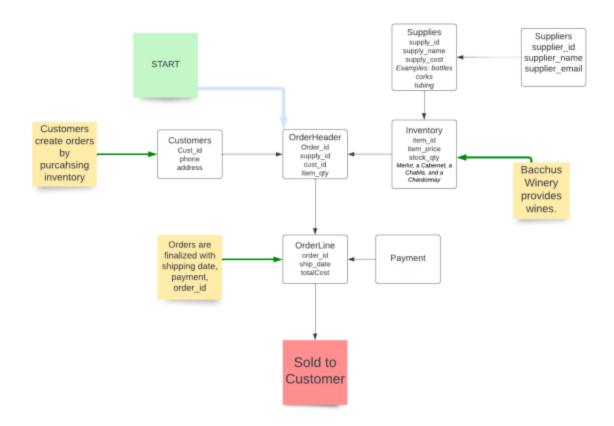
Case Study: Bacchus Winery

## Milestone #1:

# **Business Rules:**

- An inbound order has a supplier.
- Inventory is increased by the number of inbound orders depending on the Supply no.
- Inventory has all its data like pricing and name stored inside the Item table.
- When bottles of wine are made internally, inventory would be tracked to reduce the number of supplied parts like bottles, corks, etc, and increase wine stock.
- Distributors create Outbound\_orders that can have many Items.
- Inventory orders (inbound\_orders) are tracked by comparing expected\_delivery\_date with actual\_delivery\_date
- Contact table houses employee, distributors, and suppliers contact information by distinct contact id's
- One employee is associated with one payroll
- One department has many employees and managers
- One employee is associated with many work\_hours entries

## **Initial ERD:**



# Milestone #2:

Create Tables File(.sql): Bacchus\_Winery\_Table\_Inserts.sql

Insert/Display Tables File(.py): bacchus\_winery\_inserts.py

# **Screenshots of Output:**

Revised ERD: Image Below

#### **Bacchus Winery Case Study** Supplier Supplier\_Id (PK) Supplier\_Name Inventory Item Supply\_No (PK) Item\_No (FK) Item\_No(PK) Item\_Name Inventory\_Order\_Id (PK) Supplier\_Id(FK) Inventory\_Quantity Actual\_Delivery\_Date Supply\_No(FK) Quantity Order\_No (PK) Item\_Count Total\_Cost Contact Department Contact\_Id (PK) Dept\_Id (PK) Address City Dept\_Name Order\_Date Num\_Of\_Employees State Zip Distributor\_Id(FK) Item\_No(FK) Phone Email Distribution Employee Distributor\_Id (PK) Employee\_Id (PK) First\_Name Last\_Name Contact\_Id (FK) Mngmt\_ld (PK) Employee\_ld (FK) Dept\_ld (FK) Start\_Date Distributor\_Name Contact\_Id (FK) Dept\_Id (FK) End\_Date Pay\_Amount Pay\_Date Hours\_YTD Current\_Week Employee\_Id (FK) Employee\_Id (FK)