Group 5

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Bacchus Winery Case Study

CSD 310 Module 9

**Milestone #1**

Business Rules

1. Suppliers' Timely Deliveries:

* Rule: All suppliers are expected to deliver their components on time, as per the agreed-upon schedule.
* Assumption: The expected delivery schedule is predetermined and communicated to suppliers. A tolerance threshold for delays is established.

2. Inventory Tracking Efficiency:

* Rule: Bacchus Winery aims to improve supply inventory tracking and ordering methods, exploring the possibility of an online system.
* Assumption: An online system will streamline the tracking and ordering process, providing real-time updates on inventory levels and facilitating efficient ordering.

3. Online Ordering for Distributors:

* Rule: Distributors should have the capability to place orders online and track shipments for better transparency and efficiency.
* Assumption: Implementing an online ordering system for distributors will enhance communication and streamline the distribution process.

4. Wine Sales Analysis:

* Rule: Regular analysis of wine sales is required to assess the performance of each wine variety.
* Assumption: Sales data is accurately recorded, and any deviation from expected sales patterns may indicate a need for marketing adjustments or changes in distribution strategies.

5. Employee Work Hours Monitoring:

* Rule: Bacchus Winery needs detailed records of employee work hours for the past four quarters.
* Assumption: Accurate timekeeping systems are in place, and employee work hours directly contribute to payroll, production, and overall business operations.

6. Organization Reporting:

* Rule: Depending on level each employee reports to one manager.
* Assumption: Managers can have several direct reports, but if an employee has a manager it is just one.

7. Supply Vendors:

* Rule: The company will continue to use three vendors
* Assumption: The company has established relationships with vendors and will not change them.

8. Wine Production:

* Bacchus only produces four kinds of wine (a Merlot, a Cabernet, a Chablis, and a Chardonnay).
* The company has no plans on changing the number or kind of wine it produces

Initial ERD

