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**Business Rules for Bacchus Winery Case Study**

**Supply Management:**

* **Inventory Tracking:** All inventory items must be tracked in real time with a unique identifier for each supply type.
* **Supplier Deliveries:** Suppliers are required to deliver on a fixed schedule, and any deviations must be reported immediately.
* **Ordering System:** An online ordering system should be implemented to automate the supply ordering process.

**Distribution:**

4. **Online Ordering for Distributors:** Distributors must have access to an online portal where they can place orders and track shipments.

5. **Sales Tracking:** The distributor must track Each wine’s sales to identify trends and demand patterns.

**Financial and Employee Management:**

6. **Financial Reporting:** Monthly financial reports are required to monitor the winery’s economic health.

7. **Employee Hours Tracking:** A system must be in place to record and report the hours worked by each employee every quarter.

**Reporting:**

8. **Supplier Performance:** A monthly report must be generated to evaluate supplier performance based on delivery timelines.

9. **Inventory Status:** A yearly snapshot report is required to assess the inventory state. 10. **Product Performance:** A quarterly sales report must be generated to evaluate the performance of each wine type.

**ERD:**

