**Group Case Study 1**

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Module 10.1 Assignment:Milestone #2

CSD310 Database Development and Use



**Business Rules**

Bacchus Winery Case Study

Business Rules:

Supply Management:

All suppliers must deliver materials on schedule to avoid production delays.

Inventory level for supplies must be checked and monitored monthly and any delays in

delivery times should be documented.

Orders for supplies must be placed online to improve tracking and efficiency.

Wine Distribution:

Each Distributor must report monthly on sales performance of each wine variety.

Wines that are not meeting sales target must be flagged for review.

Distributors must place orders online and track the shipments

Employee Work Hours:

Employee working hours from the previous four quarters must be tracked to ensure fair

work distribution.

Reports must be generated quarterly to evaluate employee performance and work

duties.

Yearly Business Snapshot:

A comprehensive report on inventory, distribution, and employee hours must be

prepared annually

The comprehensive report should highlight any gaps in supply delivery, distribution,

performance, and employment productivity.

Customer and Quality Standards

Products must meet customer expectations, and feedback from distributors must be

collected to assess wine quality and demand.

Any issues raised by customers or distributors must be addressed promptly.

Assumptions:

The winery uses a manual inventory system that needs to be updated to a digital

platform.

The distributors are expected to provide a detailed sales report for analysis and review.

Employees log their work hours manually, there is no automated time-tracking system.

The owners Stan and Davis are willing to invest in an online platform to improve supply

chain and distribution tracking

The winery operates under standard quality procedures guidelines for wine production.

**Relationships**

1. Employees are assigned to departments, and each department has a manager. Many to One, One to One
2. The winery produces four types of wines, which are distributed by distributors. (Many wines to many distributers) Many to Many
3. Distributors carry one or more wines, and wines can be carried by multiple distributors. Many to Many
4. Suppliers provide specific supplies to the winery, tracked by type. One to Many

**Revised ERD**

A diagram of a company

Description automatically generated

**Table of Attributes**



A table with text on it

Description automatically generated

**Screenshot of the results of the script that displays the data in each table**

A screenshot of a computer

Description automatically generated

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**A screen shot of a computer

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**A screenshot of a computer screen

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**References**

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