**Group Name**:

Product Teams 2

**Team Members**:

Tanner Elston

Madilyn Carpenter

**Case Study**:

Bacchus Case Study

**Business Rules + Assumptions:**

**Bacchus Winery**:

Grows grapes, produces wine, and distributes it to external distributors.

Currently operates using traditional pen and paper bookkeeping.

Wine types: A Merlot, a Cabernet, a Chablis, and a Chardonnay.

**Supplies:**

Works with three suppliers/vendors. One for bottles and corks, another for labels and boxes, and the last for vats and tubbing.

The deliveries from suppliers are expected once a month. The supplies must arrive on or before the scheduled delivery date to be considered “on time.”

Stock metrics are, currently, manually (pen and paper) kept by owners Stan and Davis.

Stan and Davis are seeking a more efficient digital method for tracking and ordering supplies.

**Distribution:**

Distributors can carry one or many types of wines, but they must be associated with at least one wine.

Wine orders from distributors are dependent on customer demand and do not necessarily occur on a monthly basis.

Wine is shipped on a confirmed order basis, and Maria Costanza is responsible for logistics and fulfillment.

Maria would like distributors to be able to place orders online and track their shipments.

**Employee Time Metrics:**

Each employee is assumed to be paid an hourly wage, not a salary.

Janet Collins is responsible for finances and payroll.

A report is needed to show how many hours each employee worked over the last four quarters.

**Marketing:**

Headed by Roz Murphy and assisted by Bob Ulrich.

**Production line:**

Managed by Henry Doyle.

Henry Doyle supervises twenty employees.

**(Yearly Snapshot) Monthly reports are expected for:**

Supplier delivery performance

Wine distribution/sales for each wine type

Employee Time Logs

**Assumptions:**

Bacchus Winery maintains growing and production operations year-round.

Bacchus Winery has extensive bookkeeping on inventory, sales, and distribution vendor records.

Currently operates using traditional pen and paper bookkeeping.

**ERD:**

