

# Bacchus Winery

Green Team: Justin, Mark, Tabari, Austin

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# Introduction

Justin

Mark

Tabari

Austin

## Team Green

- Focused on the case study of the Bacchus Winery
- **Topics:**
  - **Case Study Summary**
    - Business Background
    - Business Goals
    - Business Rules
  - **Finalized ERD**
  - **Descriptions of Reports**
    - Schedule
    - Wine Sales
    - Hours Worked
  - **Assumptions**

# Case Study - Bacchus Winery

## Background

- Family run business inherited by Stan and Davis Bacchus three years ago
- Grows 4 types of grapes to make: Merlot, Cabernet, Chablis, Chardonnay
- Business relies on suppliers for materials: Bottles, corks, labels, vats, tubing

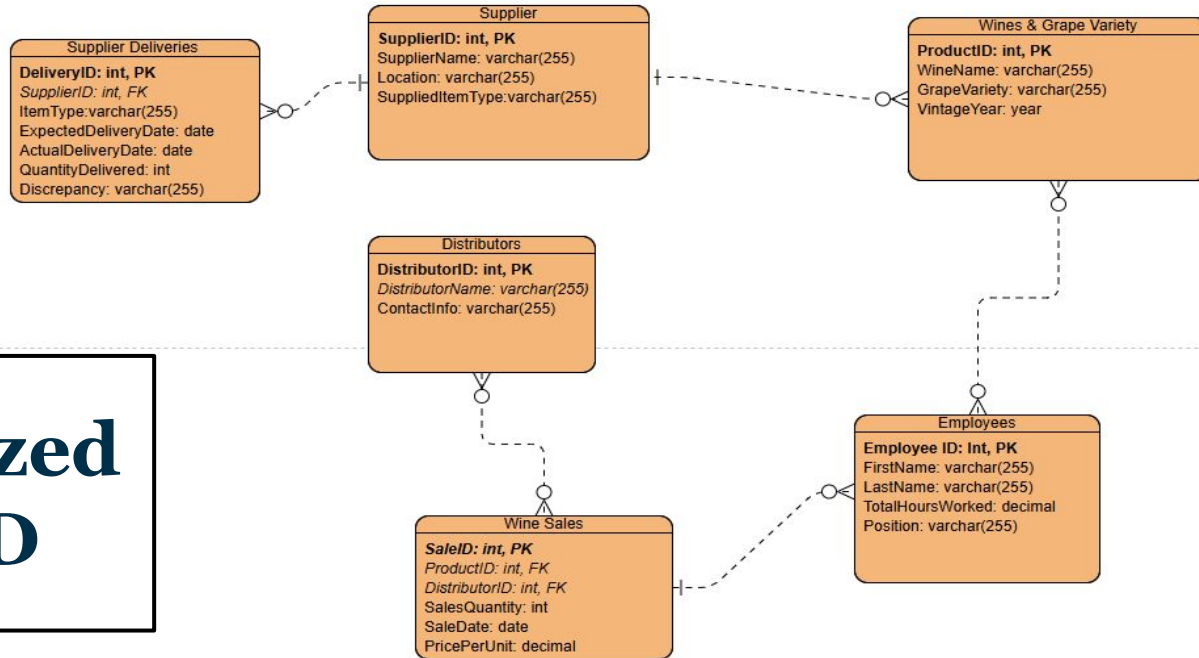
## Business Goals

- Improve their products and customer service
- More efficient method to keep track and order supplies
- Enable distributors to keep track and place order supplies online

# Business Rules

1. **Four Types of Wine:** Merlot, Cabernet, Chablis, Chardonnay
2. **Keep Same Employees:**
  - a. Janet Collins - Manages Finance and payroll
  - b. Roz Murphy - Head of Marketing (Bob Ulrich as assistant)
  - c. Henry Doyle - Manages production and 20 employees
  - d. Maria Costanza - responsible for distribution
3. **Suppliers** - for bottles, corks, labels, boxes, vats, tubing
4. **Inventory** - track quantities of inventory items to manage supplies
5. **Wine Sales** - need to track which wines types are selling, distributors, sales data
6. **Employee Hours** - track employee hours across the last four quarters
7. **Supplier Deliveries** - track when and how each supplier delivers

# Finalized ERD



# Report #1

- This is a schedule report for the shipment of items that the winery has ordered
  - Bottles, Corks, Labels, Boxes, Vats, Tubing, Wine Barrels
- Information Given:
  - Delivery ID
  - Supplier Name
  - Item
  - Expected Delivery Date
  - Actual Delivery Date
  - Status of Delivery
  - Quantity Delivered

Bacchus Winery Delivery Schedule Report | Generated on:  
03-02-2025 12:57:46 AM

Delivery ID: 1  
Supplier Name: Put a cork in it  
Item Type: Bottles  
Expected Delivery Date: 2024-02-05  
Actual Delivery Date: 2024-02-05  
Shipment Delivery: On time  
Quantity Delivered: 40,000

Delivery ID: 2  
Supplier Name: Put a cork in it  
Item Type: Corks  
Expected Delivery Date: 2024-02-05  
Actual Delivery Date: 2024-02-15  
Shipment Delivery: Was late  
Quantity Delivered: 40,000

Delivery ID: 9  
Supplier Name: Put a cork in it  
Item Type: Bottles  
Expected Delivery Date: 2024-07-05  
Actual Delivery Date: 2024-07-05  
Shipment Delivery: On time  
Quantity Delivered: 60,000

Delivery ID: 10  
Supplier Name: Put a cork in it  
Item Type: Corks  
Expected Delivery Date: 2024-07-05  
Actual Delivery Date: 2024-07-15  
Shipment Delivery: Was late  
Quantity Delivered: 60,000

Delivery ID: 3  
Supplier Name: Label this  
Item Type: Labels  
Expected Delivery Date: 2024-02-10  
Actual Delivery Date: 2024-02-10  
Shipment Delivery: On time  
Quantity Delivered: 5,000

Delivery ID: 4  
Supplier Name: Label this  
Item Type: Boxes  
Expected Delivery Date: 2024-02-15  
Actual Delivery Date: 2024-02-20  
Shipment Delivery: Was late  
Quantity Delivered: 5,000

Delivery ID: 11  
Supplier Name: Label this  
Item Type: Labels  
Expected Delivery Date: 2024-07-10  
Actual Delivery Date: 2024-07-10  
Shipment Delivery: On time  
Quantity Delivered: 7,500

Delivery ID: 12  
Supplier Name: Label this  
Item Type: Boxes  
Expected Delivery Date: 2024-08-15  
Actual Delivery Date: 2024-08-20  
Shipment Delivery: Was late  
Quantity Delivered: 8,000

Delivery ID: 5  
Supplier Name: Vat Man  
Item Type: Vats  
Expected Delivery Date: 2024-02-12  
Actual Delivery Date: 2024-02-20  
Shipment Delivery: Was late  
Quantity Delivered: 500

Delivery ID: 6  
Supplier Name: Vat Man  
Item Type: Tubing  
Expected Delivery Date: 2024-02-12  
Actual Delivery Date: 2024-02-12  
Shipment Delivery: On time  
Quantity Delivered: 800

Delivery ID: 13  
Supplier Name: Vat Man  
Item Type: Vats  
Expected Delivery Date: 2024-09-12  
Actual Delivery Date: 2024-10-20  
Shipment Delivery: Was late  
Quantity Delivered: 700

Delivery ID: 14  
Supplier Name: Vat Man  
Item Type: Tubing  
Expected Delivery Date: 2024-11-12  
Actual Delivery Date: 2024-11-12  
Shipment Delivery: On time  
Quantity Delivered: 650

Delivery ID: 7  
Supplier Name: Barrel & Brew Co.  
Item Type: Wine Barrels  
Expected Delivery Date: 2024-03-15  
Actual Delivery Date: 2024-03-16  
Shipment Delivery: Was late  
Quantity Delivered: 400

Delivery ID: 15  
Supplier Name: Barrel & Brew Co.  
Item Type: Wine Barrels  
Expected Delivery Date: 2025-10-15  
Actual Delivery Date: 2025-10-16  
Shipment Delivery: Was late  
Quantity Delivered: 700

Delivery ID: 8  
Supplier Name: Vineyard Essentials  
Item Type: Wine Barrels  
Expected Delivery Date: 2024-04-10  
Actual Delivery Date: 2024-04-12  
Shipment Delivery: Was late  
Quantity Delivered: 300

Delivery ID: 16  
Supplier Name: Vineyard Essentials  
Item Type: Wine Barrels  
Expected Delivery Date: 2025-12-10  
Actual Delivery Date: 2025-12-12  
Shipment Delivery: Was late  
Quantity Delivered: 500

# Report #2

- This is a wine sales report
- Information Given:
  - Wine Name
  - Distributor
  - Sales Quantity
  - Sales Date
  - Price Per Unit
  - Total Sales

Bacchus Winery Wine Sales Report | Generated on: 03-02-2025 12:57:46 AM

Wine Name: Austins Merlot Mystique  
Distributor: Austin Spirits  
Sales Quantity: 30,000  
Sale Date: 2024-01-02  
Price per Unit: \$20.99  
Total Sales: \$629,700.00

Wine Name: Austins Merlot Mystique  
Distributor: Austin Spirits  
Sales Quantity: 30,000  
Sale Date: 2024-03-08  
Price per Unit: \$20.99  
Total Sales: \$629,700.00

Wine Name: Austins Merlot Mystique  
Distributor: Austin Spirits  
Sales Quantity: 30,000  
Sale Date: 2024-06-05  
Price per Unit: \$20.99  
Total Sales: \$629,700.00

Wine Name: Austins Merlot Mystique  
Distributor: Austin Spirits  
Sales Quantity: 30,000  
Sale Date: 2024-10-15  
Price per Unit: \$20.99  
Total Sales: \$629,700.00

Wine Name: Austins Merlot Mystique  
Distributor: Austin Spirits  
Sales Quantity: 30,000  
Sale Date: 2025-01-03  
Price per Unit: \$20.99  
Total Sales: \$629,700.00

Wine Name: Marks Zinfandel Zen  
Distributor: Makers Mark  
Sales Quantity: 30,000  
Sale Date: 2024-01-05  
Price per Unit: \$15.50  
Total Sales: \$465,000.00

Wine Name: Marks Zinfandel Zen  
Distributor: Makers Mark  
Sales Quantity: 30,000  
Sale Date: 2024-02-02  
Price per Unit: \$15.50  
Total Sales: \$465,000.00

Wine Name: Marks Zinfandel Zen  
Distributor: Makers Mark  
Sales Quantity: 30,000  
Sale Date: 2024-06-08  
Price per Unit: \$15.50  
Total Sales: \$465,000.00

Wine Name: Marks Zinfandel Zen  
Distributor: Makers Mark  
Sales Quantity: 30,000  
Sale Date: 2024-09-12  
Price per Unit: \$15.50  
Total Sales: \$465,000.00

Wine Name: Marks Zinfandel Zen  
Distributor: Makers Mark  
Sales Quantity: 30,000  
Sale Date: 2025-01-03  
Price per Unit: \$15.50  
Total Sales: \$465,000.00

Wine Name: Justin's Chardonnay Charm  
Distributor: Just in Time  
Sales Quantity: 30,000  
Sale Date: 2024-01-02  
Price per Unit: \$25.49  
Total Sales: \$764,700.00

Wine Name: Justin's Chardonnay Charm  
Distributor: Just in Time  
Sales Quantity: 30,000  
Sale Date: 2024-03-15  
Price per Unit: \$25.49  
Total Sales: \$764,700.00

Wine Name: Justin's Chardonnay Charm  
Distributor: Just in Time  
Sales Quantity: 30,000  
Sale Date: 2024-06-02  
Price per Unit: \$25.49  
Total Sales: \$764,700.00

Wine Name: Justin's Chardonnay Charm  
Distributor: Just in Time  
Sales Quantity: 30,000  
Sale Date: 2024-10-02  
Price per Unit: \$25.49  
Total Sales: \$764,700.00

Wine Name: Justin's Chardonnay Charm  
Distributor: Just in Time  
Sales Quantity: 30,000  
Sale Date: 2025-01-02  
Price per Unit: \$25.49  
Total Sales: \$764,700.00

Wine Name: Tabari Breeze  
Distributor: Tabari Distillery  
Sales Quantity: 30,000  
Sale Date: 2024-01-10  
Price per Unit: \$22.00  
Total Sales: \$660,000.00

Wine Name: Micheal Calm  
Distributor: Tabari Distillery  
Sales Quantity: 3,000  
Sale Date: 2024-01-10  
Price per Unit: \$16.00  
Total Sales: \$48,000.00

Wine Name: Tammy Oasis  
Distributor: Tabari Distillery  
Sales Quantity: 3,000  
Sale Date: 2024-01-10  
Price per Unit: \$15.50  
Total Sales: \$46,500.00

Wine Name: Tabari Breeze  
Distributor: Tabari Distillery  
Sales Quantity: 30,000  
Sale Date: 2024-03-12  
Price per Unit: \$22.00  
Total Sales: \$660,000.00

Wine Name: Tabari Breeze  
Distributor: Tabari Distillery  
Sales Quantity: 30,000  
Sale Date: 2024-06-01  
Price per Unit: \$22.00  
Total Sales: \$660,000.00

Wine Name: Tabari Breeze  
Distributor: Tabari Distillery  
Sales Quantity: 30,000  
Sale Date: 2024-09-01  
Price per Unit: \$22.00  
Total Sales: \$660,000.00

Wine Name: Tabari Breeze  
Distributor: Tabari Distillery  
Sales Quantity: 30,000  
Sale Date: 2025-01-05  
Price per Unit: \$22.00  
Total Sales: \$660,000.00

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# Report #3

- Report for hours worked by employees
- Information Given:
  - Employee ID
  - First and Last Name
  - Position
  - Total Hours Worked for Quarters 1, 2, 3, and 4

Employee ID: 1  
First Name: Janet  
Last Name: Collins  
Position: Finance Manager  
Q1 Total Hours Worked: 435.00  
Q2 Total Hours Worked: 455.00  
Q3 Total Hours Worked: 465.00  
Q4 Total Hours Worked: 455.00

Employee ID: 2  
First Name: Roz  
Last Name: Murphy  
Position: Marketing Manager  
Q1 Total Hours Worked: 385.00  
Q2 Total Hours Worked: 405.00  
Q3 Total Hours Worked: 425.00  
Q4 Total Hours Worked: 405.00

Employee ID: 3  
First Name: Bob  
Last Name: Ulrich  
Position: Marketing Assistant  
Q1 Total Hours Worked: 315.00  
Q2 Total Hours Worked: 335.00  
Q3 Total Hours Worked: 350.00  
Q4 Total Hours Worked: 315.00

Employee ID: 4  
First Name: Henry  
Last Name: Doyle  
Position: Production Manager  
Q1 Total Hours Worked: 440.00  
Q2 Total Hours Worked: 555.00  
Q3 Total Hours Worked: 465.00  
Q4 Total Hours Worked: 475.00

Employee ID: 5  
First Name: Maria  
Last Name: Costanza  
Position: Distribution Manager  
Q1 Total Hours Worked: 460.00  
Q2 Total Hours Worked: 550.00  
Q3 Total Hours Worked: 560.00  
Q4 Total Hours Worked: 515.00



# Assumptions

1. Inventory is tracked in units
2. Distributors will order wine online and track shipments
3. Employee work hours will be tracked over the last four quarters
4. Prices may vary for each wine
  - a. We need to account for inventory restocking as needed.