

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

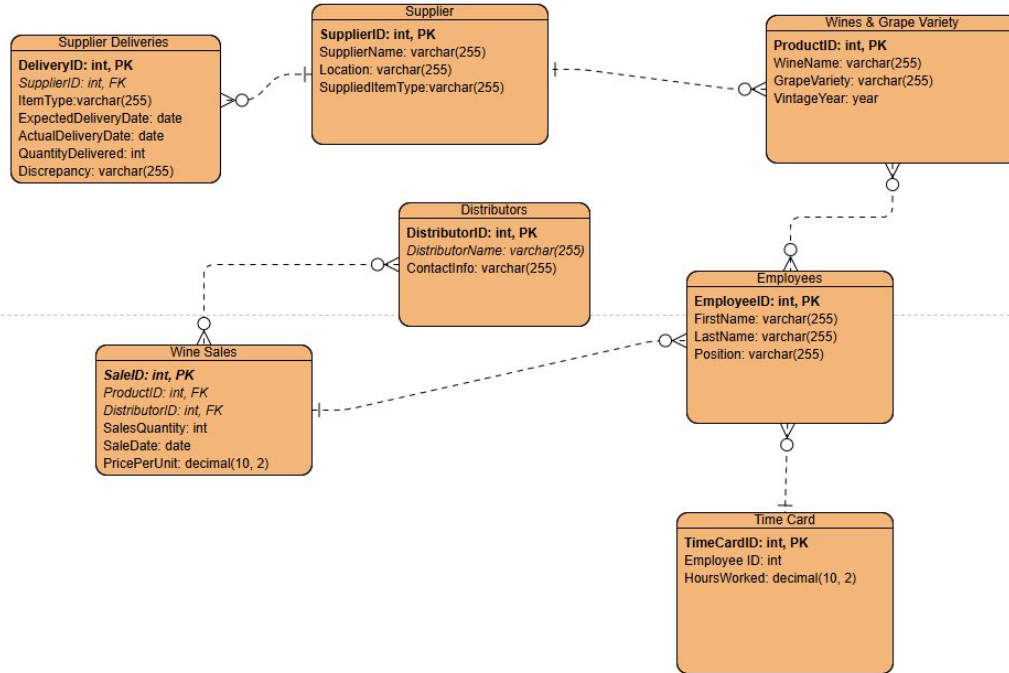
Business Goals

- 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.