

Bacchus Winery

Group 1

Miles Shinsato, Nardos Gebremedhin, Jessic Long-Heinicke, Joe Ayo, Adrian Marquez

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01. Case Study

02. Final ERD

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04. Assumption



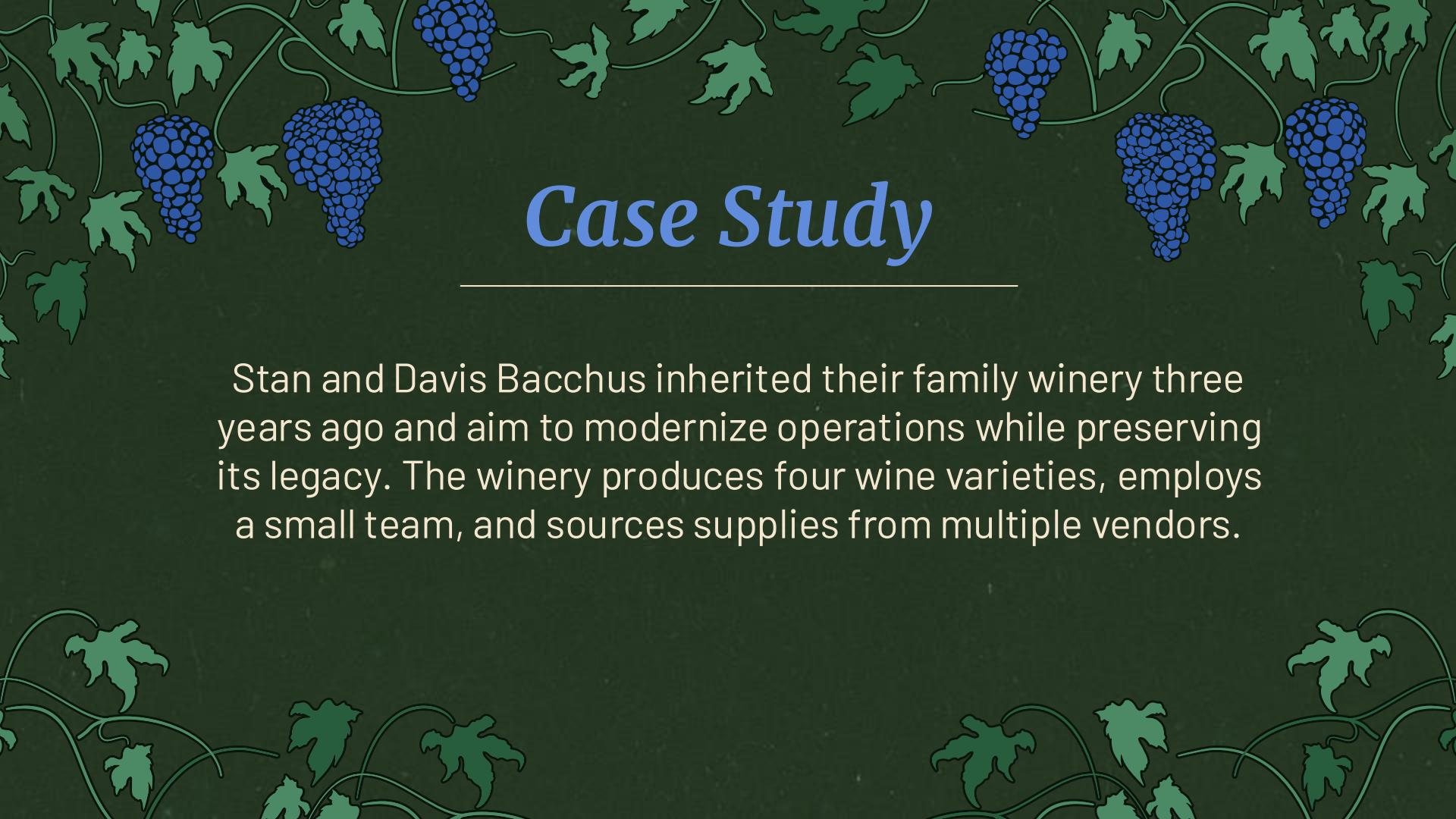
Introduction

We had an opportunity to work on the Baccus Winery. We've worked collaboratively to modernize operations by improving inventory management, streamlining distribution, and enhancing employee performance tracking.

Goal

The goal is to implement efficient systems that provide actionable insights to support better decision-making and business growth.

We look forward to sharing our study case with the class and welcome your questions and feedback.



Case Study

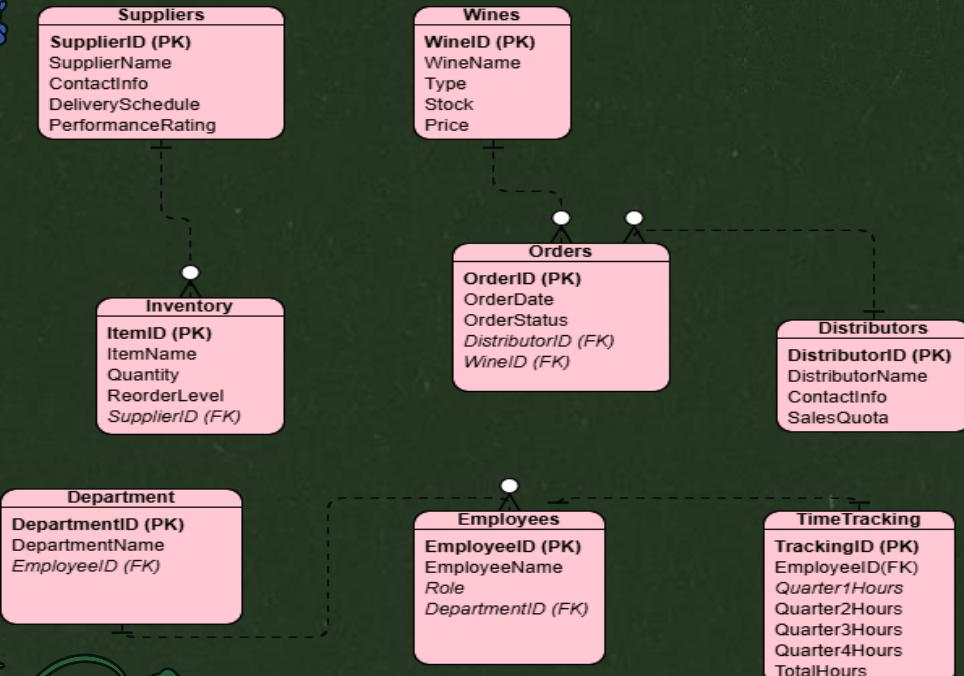
Stan and Davis Bacchus inherited their family winery three years ago and aim to modernize operations while preserving its legacy. The winery produces four wine varieties, employs a small team, and sources supplies from multiple vendors.



Key Challenges

- **Inventory Management:** Manual supply tracking is inefficient; they seek an online system for better control.
- **Distribution and Sales:** Distributors need online ordering and shipment tracking, along with data on wine sales trends.
- **Employee Tracking:** Detailed records of employee hours are required for performance reviews

ERD



Reports

To address the Key Challenges of the Case Study, three reports were made to supply Stan and Davis with the information necessary for their yearly review.

- 1) Supplier Delivery Performance Report
- 2) Wine Sales and Distribution Report
- 3) Employee Time Tracking Report

Supplier Delivery Performance Report

Supplier Delivery Performance Report:

SupplierID	Scheduled Delivery	Actual Delivery	Delay (Days)
1	2024-11-24	2024-11-29	5
1	2024-11-24	2024-11-29	5
1	2024-10-31	2024-11-02	2
3	2024-10-30	2024-11-01	2
2	2024-12-05	2024-12-06	1
1	2024-10-13	2024-10-14	1
2	2024-12-05	2024-12-06	1
1	2024-12-01	2024-12-01	0
3	2024-12-01	2024-12-01	0
1	2024-12-01	2024-12-01	0
2	2024-10-12	2024-10-12	0
3	2024-10-03	2024-10-03	0
3	2024-12-01	2024-12-01	0
2	2024-11-30	2024-11-29	-1
2	2024-11-30	2024-11-29	-1
3	2024-12-09	2024-12-07	-2
3	2024-12-09	2024-12-07	-2

- Lists every delivery scheduled in the past quarter, along with the Supplier ID of the company responsible for shipment.
- Addresses concerns about supply tracking, offering an online aid for tracking shipments across fiscal quarters.

Wine Sales and Distribution Report

Wine Sales and Distribution Report:

Wine Name	Distributor Name	Total Sold
Barefoot	Quail Distributing	10
Decoy	Pinnacle Imports	8
Decoy	Action Wine + Spirits	5
Christian Moreau	DNS Wines	4
Christian Moreau	Springboard Wine Company	2
Sutter Home	J&L Wines	2

- Lists every wine sold at Bacchus Winery, along with their distributors and the quantity sold in the past quarter.
- Addresses concerns about wine sales, offering an online visual of how much each wine has been selling, and who is responsible for distributing them.

Employee Time-Tracking Report

Employee Time Tracking Report:

EmployeeID	Q1 Hours	Q2 Hours	Q3 Hours	Q4 Hours	Total Hours
1	160	160	160	160	640
2	160	160	160	160	640
5	160	160	160	160	640
3	120	120	120	120	480
4	120	120	120	120	480
6	120	120	120	120	480

- Displays the total hours worked for each employee in each quarter of the year.
- Supplies us with detailed records of employee hours worked, which are required for our yearly performance reviews.

Thanks!
