

Bacchus Winery



Success Driven by Data

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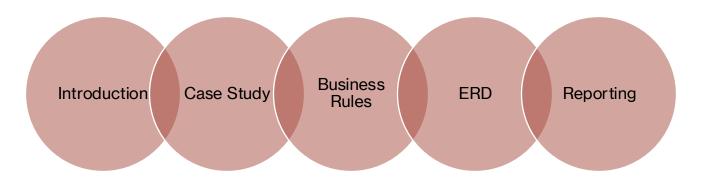
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Winery Database Solutions

Streamline Your Operations and Boost Sales







Introduction

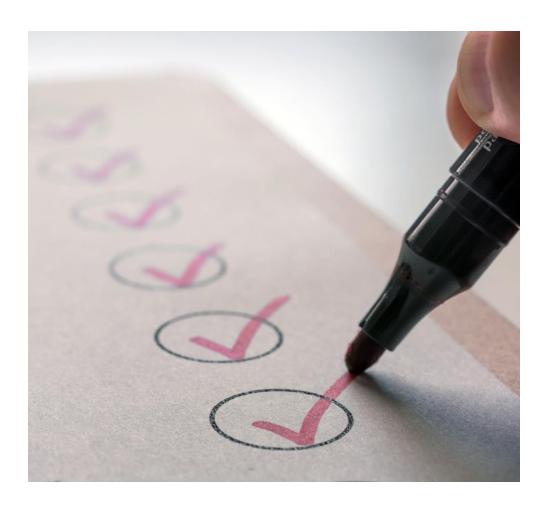
- As members of the red team, we are excited to present our findings for the Bacchus case study.
 We offer a fresh prospective to database management in small to medium businesses.
- We propose a database strategy that will bring your sales to the next level!

Case Study

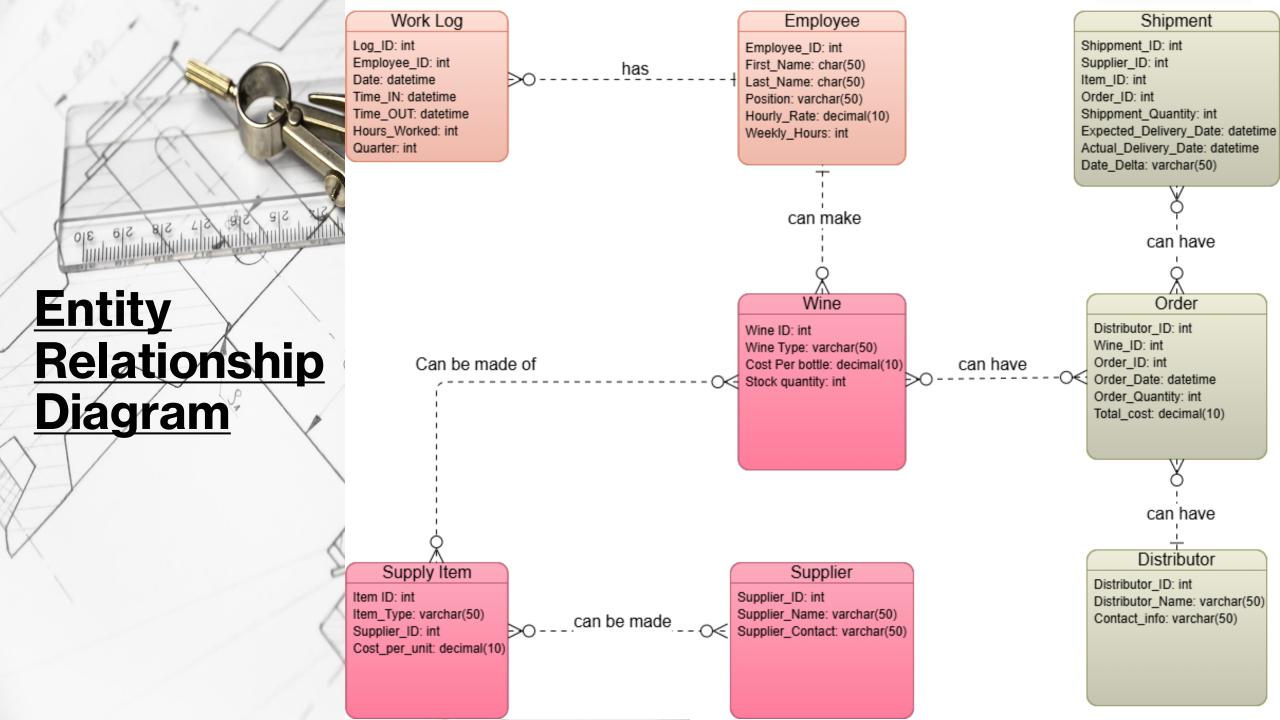
- The Bacchus brothers inherited their winery and aim to modernize operations for better products and customer service.
- Retained existing staff across finance, marketing, production, and distribution.
- Current supply inventory tracking and ordering are inefficient, and distribution relies on manual processes.
- Need a business snapshot to identify problem areas and improve efficiency
 - Supplier delivery times
 - Sales by distributor and Wine
 - Employee hours worked per quarter.
- Bacchus is exploring online solutions for supply ordering and distributor order/tracking.



Business Rules and Assumptions



- The system should record the number of hours worked by the employee per quarter.
- Track expected and actual delivery dates per shipment.
- Various items are used to make wine, like bottles, labels, corks, and vats.
- All suppliers, employees, distributors, and products should have their own ID.
- 4 different types of wine produced.
- The winery uses different distributors.
- Quantity of bottles sold each month by type and the cost of each bottle.
- Track shipments to distributors.
- Distributors can order online, with real-time inventory.
- Track materials purchased from suppliers.
- Assume websites are operational for distribution.
- Assume all employees are 40 hours and paid hourly.
- Employee schedule times; In and Out times
- Online inventory sales update in real-time to project in-stock quantities.



Report #2A

Distribution

- Stay in the know of which wines each distributor sells.
- Expand wine types to current distributors

=== Distributor-Wine Mapping ===	
Distributor ID Distributor Name	
1 Wine Distributors Inc.	
2 Vineyard Supplies	2 Chablis
3 Global Wines Ltd.	3 Merlot
4 Premium Vintners	4 Chardonnay
5 Local Wine Co.	4 Chardonnay
6 Elite Distributors	





Report #2B

Sales

- Understand your best sellers.
- Keep the right inventory levels.

=== Wine Sales Analysis ===										
+										
Wine ID Wine Type	Expected Stock	Total Sold	Sell-Through Rate (%)							
+======+=========	+========	+=======+	+=======+							
2 Chablis	150	25	16.6667							
+	+	+	++							
1 Cabernet	100	50	50							
+	+	+	+							
3 Merlot	80	60	75							
+	+	+	+							
4 Chardonnay	60	60	100							
+	+	+	+							



Report #3

Supply Chain

- How many shipments per supplier are received per month.
- Are your suppliers delivering on time?

===	= Supplier Del: 	ivery Performance +	(Month-	by-Mont +	h) === +		+	++
l	Supplier ID	Supplier Name		Year	Month	Avg Delivery Delay (days)	Late Shipments	Total Shipments
	2	+========== Cork Suppliers		2025	1		-=====================================	-=====================================
I	1	Bottle Makers		2025	1	1	1	1
i	3	Label Printers C	:o.	2025	2	-1	0	1
i	4		l		2	-1	0	1
į	6		į	2025	3	30	 1	1
	5	Packaging Soluti			3 	-1	0	1
+		+	+	+	+		+	+