

BY VISHAL KURHADE

PIZZA SALES PROJECT USING SQL

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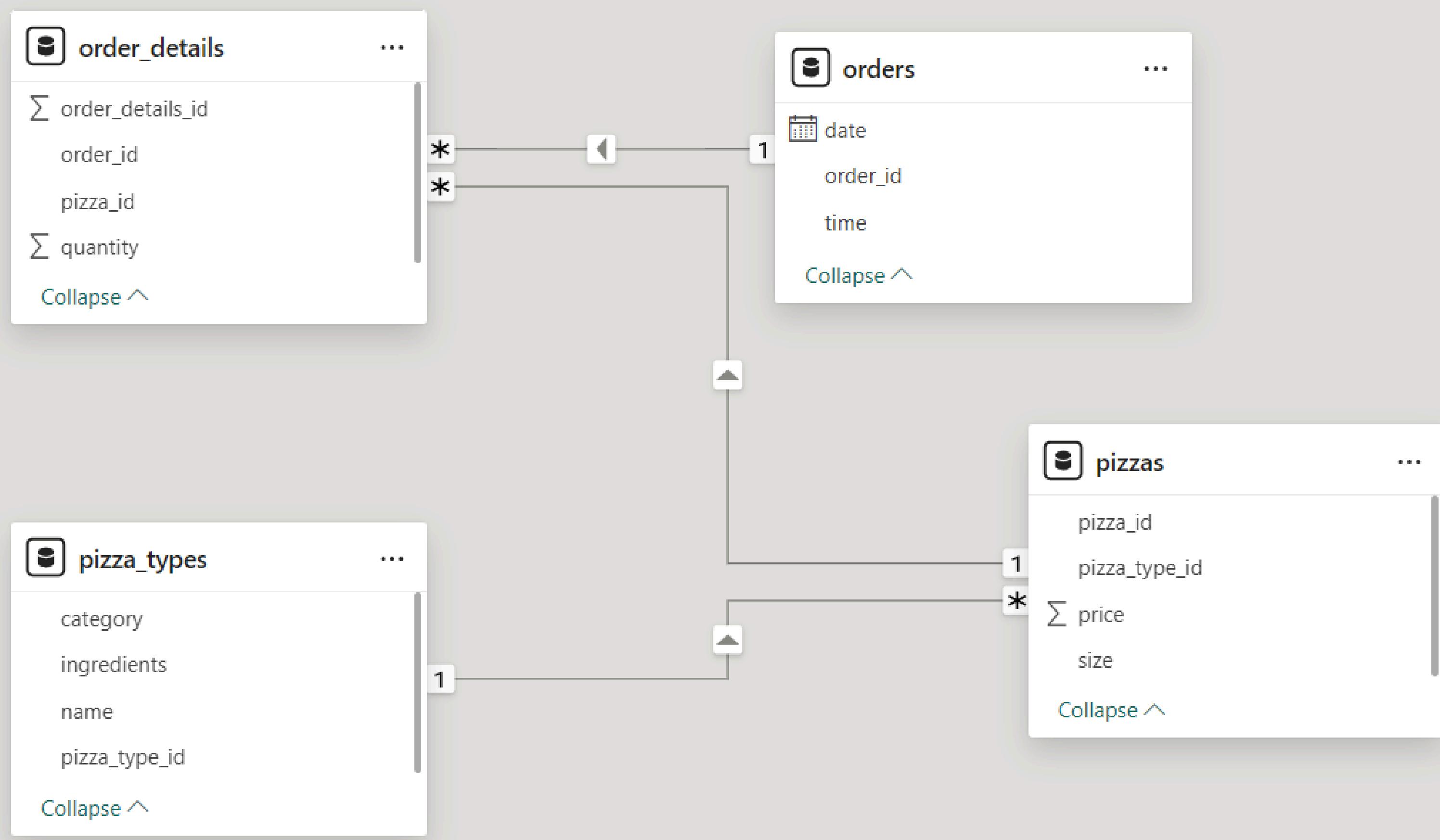
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INTRODUCTION

Hi there, my name is Vishal Kurhade. In this MS-SQL project, I delve into a pizza sales dataset to extract valuable insights using Microsoft SQL Server. By analyzing customer orders, sales categories, order details, sales value I aim to solve uncover patterns, trends, and opportunities within the dataset through advanced SQL queries and statistical analysis.

DATA MODEL



Retrieve The Total Number Of Orders Placed.

Query3.sql - VIS...(VISHAL\Asus (72))*

SQLQuery1.sql - VIS...(VISHAL\Asus (55))* ✎ X

```
--Retrieve the total number of orders placed.
```

```
use pizza_sales
```

```
select count(order_id) as total_order from orders;
```

%

Results

Messages

total_order

21350

Calculate The Total Revenue Generated From Pizza Sales.

SQLQuery9.sql - VIS...(VISHAL\Asus (67))*

SQLQuery5.sql - VIS...(VISHAL\Asus (72))*

SQLQuery8.sql - VIS...(VISHAL\Asus (56))*

SQLQuery7.sql - VIS...(VISHAL\Asus (82))*

```
--Calculate the total revenue generated from pizza sales.

SELECT round(sum((od.quantity)*(pz.price)),2) as REVENUE
FROM pizzas as pz join order_details as od
on pz.pizza_id=od.pizza_id
```

266 %

Results Messages

REVENUE
817860.05

Identify The Highest-Priced Pizza.

SQLQuery9.sql - VIS...(VISHAL\Asus (67))*

SQLQuery8.sql - VIS...(VISHAL\Asus (56))*

SQLQuery7.sql - VIS...(VISHAL\Asus (82))*

SQLQuery5.sql - VIS...(VISHAL\Asus (72))

-- Identify the highest-priced pizza.

```
SELECT top 1 pzt.name, pz.price  
FROM pizzas as pz join pizza_types as pzt  
on pz.pizza_type_id=pzt.pizza_type_id  
order by pz.price desc
```

93 %

Results Messages

name	price
The Greek Pizza	35.9500007629395

Identify The Most Common Pizza Size Ordered.

```
SQLQuery9.sql - VIS...(VISHAL\Asus (67))* X SQLQuery8.sql - VIS...(VISHAL\Asus (56))* SQLQuery7.sql - VIS...(VISHAL\Asus (82))* SQLQuery5.sql - VIS...(VISHAL\Asus (72))*  
-- Identify the most common pizza size ordered.  
SELECT TOP 1 pz.size, count(od.order_details_id) AS ORDERS_COUNT  
FROM pizzas as pz join order_details as od  
ON pz.pizza_id=od.pizza_id  
GROUP BY pz.size ORDER BY ORDERS_COUNT DESC
```

220 %

Results Messages

	size	ORDERS_COUNT
1	L	18526

List The Top 5 Most Ordered Pizza Types Along With Their Quantities.

```
--List the top 5 most ordered pizza types along with their quantities.  
SELECT TOP 5 pizza_types.name, sum(order_details.quantity) AS quantityordered  
FROM pizza_types join pizzas  
ON pizza_types.pizza_type_id=pizzas.pizza_type_id  
JOIN order_details ON order_details.pizza_id=pizzas.pizza_id  
GROUP BY pizza_types.name  
ORDER BY quantityordered DESC
```

200 %

Results Messages

	name	quantityordered
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

Determine The Distribution of Orders By Hour of The Day.

SQLQuery1.sql - VIS...(VISHAL\Asus (75))* × SQLQuery4.sql - VIS...(VISHAL\Asus (72))* SQLQuery3.sql - VIS...(VISHAL\Asus (65))* SQLQuery2.sql - VIS...(VISHAL\Asus (71))*

--Determine the distribution of orders by hour of the day.

```
SELECT DATEPART(HOUR, time) AS Hour, COUNT(order_id) AS order_count
FROM orders
GROUP BY DATEPART(HOUR, time);
```

220 %

Results Messages

	Hour	order_count
1	23	28
2	15	1468
3	9	1
4	12	2520
5	21	1198
6	18	2399
7	10	8
8	19	2009
9	13	2455
10	22	663
11	16	1920
12	17	2336
13	11	1231
14	20	1642
15	14	1472

Find The Category-Wise Distribution of Pizzas.

SQLQuery1.sql - VIS...(VISHAL\Asus (75))* × SQLQuery3.sql - VIS...(VISHAL\Asus (65))*

SQLQuery2.sql - VIS...(VISHAL\Asus (71))*

SQLQuery4.sql - VIS...(VISHAL\Asus (72))*

```
--Find the category-wise distribution of pizzas.  
- SELECT category,COUNT(name) AS CATEGORY_DIST  
    FROM pizza_types  
    GROUP BY category  
    ORDER BY category;
```

293 %

Results Messages

	category	CATEGORY_DIST
1	Chicken	6
2	Classic	8
3	Supreme	9
4	Veggie	9

Group The Orders By Date & Calculate The Average Number of Pizzas Ordered/Day

SQLQuery1.sql - VIS...(VISHAL\Asus (75))* SQLQuery3.sql - VIS...(VISHAL\Asus (65))* SQLQuery2.sql - VIS...(VISHAL\Asus (71))* SQLQuery4.sql - VIS...(VISHAL\Asus (72))*

```
--Group the orders by date and calculate the  
--average number of pizzas ordered per day.  
SELECT ROUND(AVG(quantity),0) AS Avg_pizza_order_per_day  
FROM  
(SELECT orders.date, sum(order_details.quantity)  
AS quantity FROM orders JOIN order_details  
ON orders.order_id=order_details.order_id  
GROUP BY orders.date)  
AS order_quantity;
```

	Avg_pizza_order_per_day
1	138

Determine The Top 3 Most Ordered Pizza Types Based On Revenue.

```
SQLQuery1.sql - VIS...(VISHAL\Asus (75))*  SQLQuery3.sql - VIS...(VISHAL\Asus (65))*  SQLQuery2.sql - VIS...(VISHAL\Asus (71))*  SQLQuery4.sql - VIS...(VISHAL\Asus (72))*
--Determine the top 3 most ordered pizza types based on revenue.
SELECT  TOP 3 pizza_types.name,
SUM(order_details.quantity*pizzas.price) AS REVENUE
FROM pizza_types JOIN pizzas
ON pizzas.pizza_type_id=pizza_types.pizza_type_id
JOIN order_details
ON order_details.pizza_id=pizzas.pizza_id
GROUP BY pizza_types.name ORDER BY REVENUE DESC;
```

242 %

Results Messages

	name	REVENUE
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5