

SQL Project

Pizza Sales



ORDER
NO.





About the Project

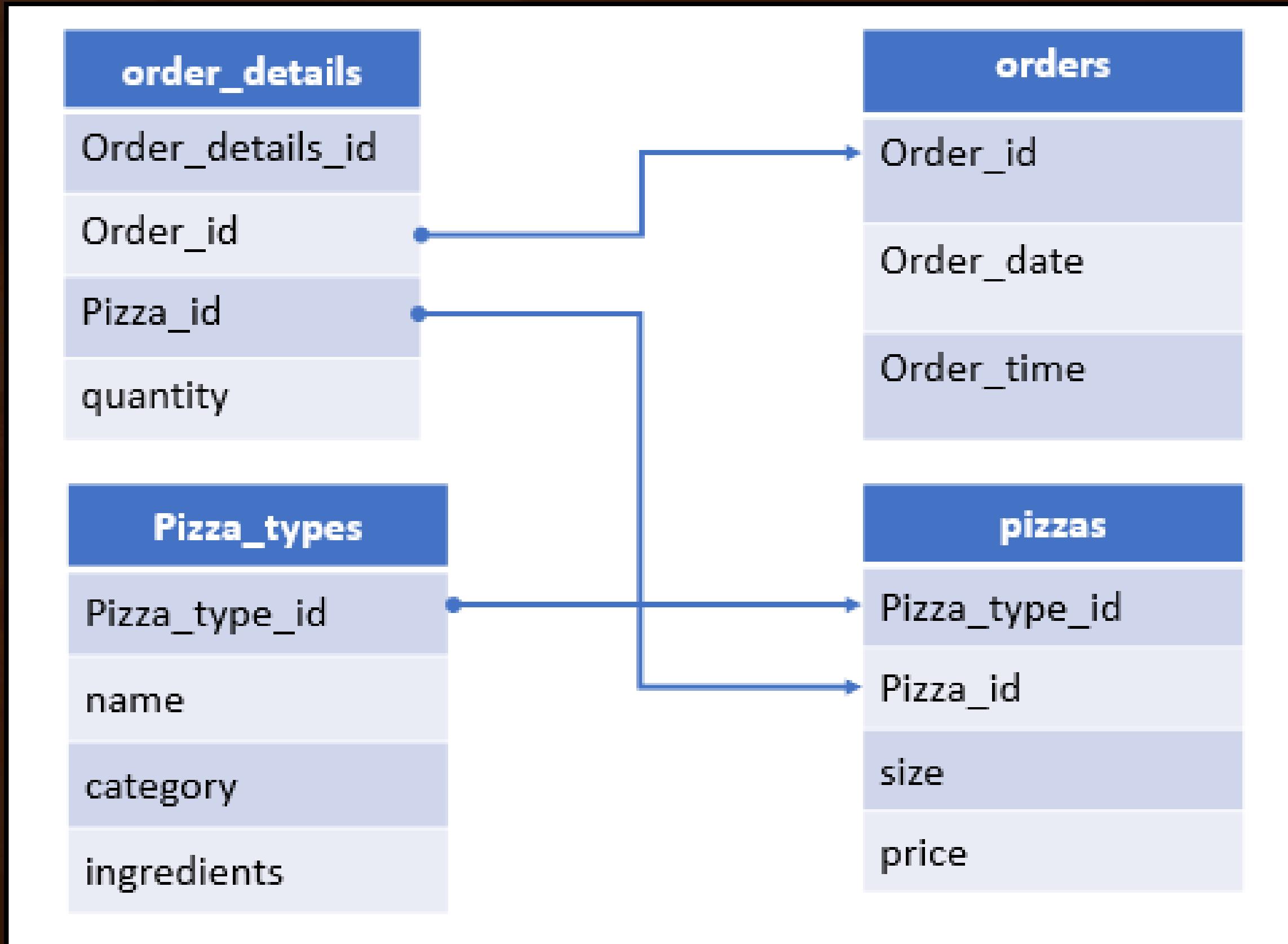
This is a SQL-based Pizza Sales project. It consists of four tables:
order_details, orders, pizzas, and pizza_types.

I have used these tables to retrieve and analyze useful insights
related to pizza sales.

Key Findings:-

- Total number of order placed
- Total revenue
- Highest priced pizza
- and many more..

Scheema of pizza sales



Q1: Retrieve the total number of orders placed..

Query:-

```
select count(order_id) as total_orders  
      from orders
```

OUTPUT:-

	total_orders
▶	21350

Q2:Calculate the total revenue generated from pizza sales.

Query:-

```
SELECT  
    ROUND(SUM(quantity * price), 2) AS total_sales  
FROM order_details d  
    JOIN pizzas p  
    ON p.pizza_id = d.pizza_id
```

OUTPUT:-

	total_sales
▶	817860.05

Q3: Identify the highest-priced pizza.

Query:-

```
SELECT
pizza_types.name, pizzas.price
FROM pizza_types
JOIN pizzas
ON pizzas.pizza_type_id = pizza_types.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1
```

OUTPUT:-

	name	price
▶	The Greek Pizza	35.95

Q4:List the top 5 most ordered pizza types along with their quantities.

Query:-

```
SELECT
    pt.name, SUM(o.quantity) AS quantity_sum
FROM order_details o
INNER JOIN pizzas p
ON o.pizza_id = p.pizza_id
INNER JOIN pizza_types pt
ON pt.pizza_type_id = p.pizza_type_id
GROUP BY pt.name
ORDER BY quantity_sum DESC
LIMIT 5
```

OUTPUT:-

	name	quantity_sum
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

Q5:Join the necessary tables to find the total quantity of each pizza category ordered.

Query:-

```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS quantity
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.category
ORDER BY quantity DESC
```

OUTPUT:-

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Q6:Calculate the percentage contribution of each pizza type to total revenue.

Query:-

```
SELECT pt.category, round(SUM(o.quantity * p.price) / (SELECT  
SUM(quantity * price) FROM order_details d  
JOIN pizzas p ON p.pizza_id = d.pizza_id ) * 100,2) as percentage  
FROM order_details o  
JOIN pizzas p  
ON o.pizza_id = p.pizza_id  
JOIN pizza_types pt  
ON pt.pizza_type_id = p.pizza_type_id  
GROUP BY pt.category
```

OUTPUT:-

	category	percentage
▶	Classic	26.91
	Veggie	23.68
	Supreme	25.46
	Chicken	23.96

Q7:Determine the top 3 most ordered pizza types based on revenue for each pizza category.

Query:-

```
select name, revenue from
(select category,name,revenue,
rank() over(partition by category order by
revenue desc) as rn
from
(select pizza_types.category, pizza_types.name,
sum((order_details.quantity) *pizzas.price) as
revenue 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.category,pizza_types.name) as a ) as
b
where rn <= 3
```

OUTPUT:-

	name	revenue
►	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5
	The Classic Deluxe Pizza	38180.5
	The Hawaiian Pizza	32273.25
	The Pepperoni Pizza	30161.75
	The Spicy Italian Pizza	34831.25
	The Italian Supreme Pizza	33476.75
	The Sicilian Pizza	30940.5



THANK YOU

MADE BY SUMIT