

# SQL PROJECT ON PIZZA SALES



Hello, I'm Mansi Kala.

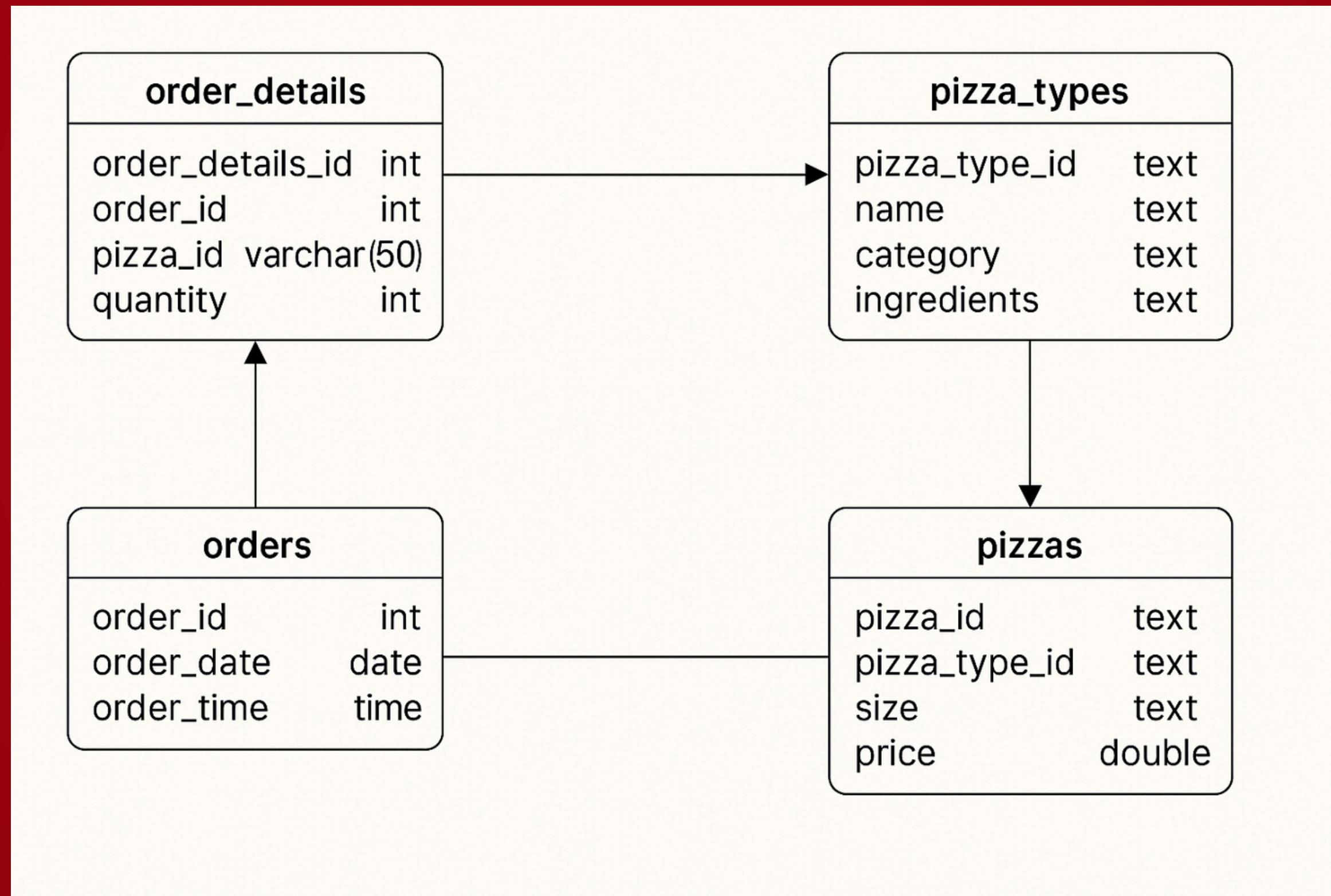
This SQL project analyzes pizza sales data using real-world business questions. I've written and executed queries to explore sales trends, customer preferences, and product performance.

Tools Used: MySQL

The full breakdown is included on the following slides.



# SCHEMA OVERVIEW



# QUESTIONS

- Retrieve the total number of orders placed.
- Calculate the total revenue generated from pizza sales.
- Identify the highest-priced pizza.
- Identify the most common pizza size ordered.
- List the top 5 most ordered pizza types along with their quantities.
- Join the necessary tables to find the total quantity of each pizza category ordered.
- Determine the distribution of orders by hour of the day.
- Join relevant tables to find the category-wise distribution of pizzas.
- Group the orders by date and calculate the average number of pizzas ordered per day.
- Determine the top 3 most ordered pizza types based on revenue.

# Retrieve the total number of orders placed

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

Result Grid	
	total_orders
▶	21350

# Total revenue generated from pizza sales

```
select round(sum(order_details.quantity* pizzas.price),2) as total_revenue  
from order_details  
join pizzas  
on order_details.pizza_id= pizzas.pizza_id;
```

Result Grid	
	total_revenue
▶	817860.05

# Identify the highest-priced pizza.

```
select pizza_types.name, pizzas.price  
from pizza_types  
join pizzas  
on pizza_types.pizza_type_id= pizzas.pizza_type_id  
order by (pizzas.price) desc  
limit 1;
```

Result Grid | Filter Rows:

	name	price
▶	The Greek Pizza	35.95

# Identify the most common pizza size ordered.

```
select pizzas.size , count(order_details.order_details_id)
from pizzas
join order_details
on pizzas.pizza_id= order_details.pizza_id
group by pizzas.size
order by count(order_details.order_details_id) desc ;
```

	size	count(order_details.order_details_id)
▶	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28

# Top 5 most ordered pizza types along with their quantities.

```
select pizza_types.name, SUM(order_details.quantity) as totalqty  
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 totalqty DESC  
LIMIT 5;
```

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

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

```
select pizza_types.category, sum(order_details.quantity) as totalqty
from pizza_types
join pizzas
on pizza_types.pizza_type_id= pizzas.pizza_type_id
join order_details
on pizzas.pizza_id= order_details.pizza_id
group by pizza_types.category
;
```

	category	totalqty
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

# Determine the distribution of orders by hour of the day

```
select hour(order_time), count(order_id) from orders  
group by hour(order_time);
```

	hour(order_time)	count(order_id)
▶	12	2520
	13	2455
	18	2399
	17	2336
	19	2009
	16	1920
	20	1642
	14	1472
	15	1468
	11	1231
	21	1198
	22	663
	23	28
	10	8
	9	1

# Join relevant tables to find the category-wise distribution of pizzas.

```
select pizza_types.category, count(name)  
from pizza_types  
group by category;
```

	category	count(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

# Group the orders by date and calculate the average number of pizzas ordered per day.

```
select round(avg(quantity),0) FROM  
(select orders.order_date,sum(order_details.quantity) as quantity  
from orders  
join order_details  
on orders.order_id=order_details.order_id  
group by orders.order_date) as avgqty;
```

	round(avg(quantity),0)
▶	138

# Determine the top 3 most ordered pizza types based on revenue.

```
select pizza_types.name, sum(order_details.quantity*pizzas.price) as revenue
from pizzas
join order_details
on pizzas.pizza_id=order_details.pizza_id
join pizza_types
on pizza_types.pizza_type_id = pizzas.pizza_type_id
group by pizza_types.name
order by revenue desc
limit 3;
```

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

**THANK YOU FOR VIEWING  
MY PROJECT!**