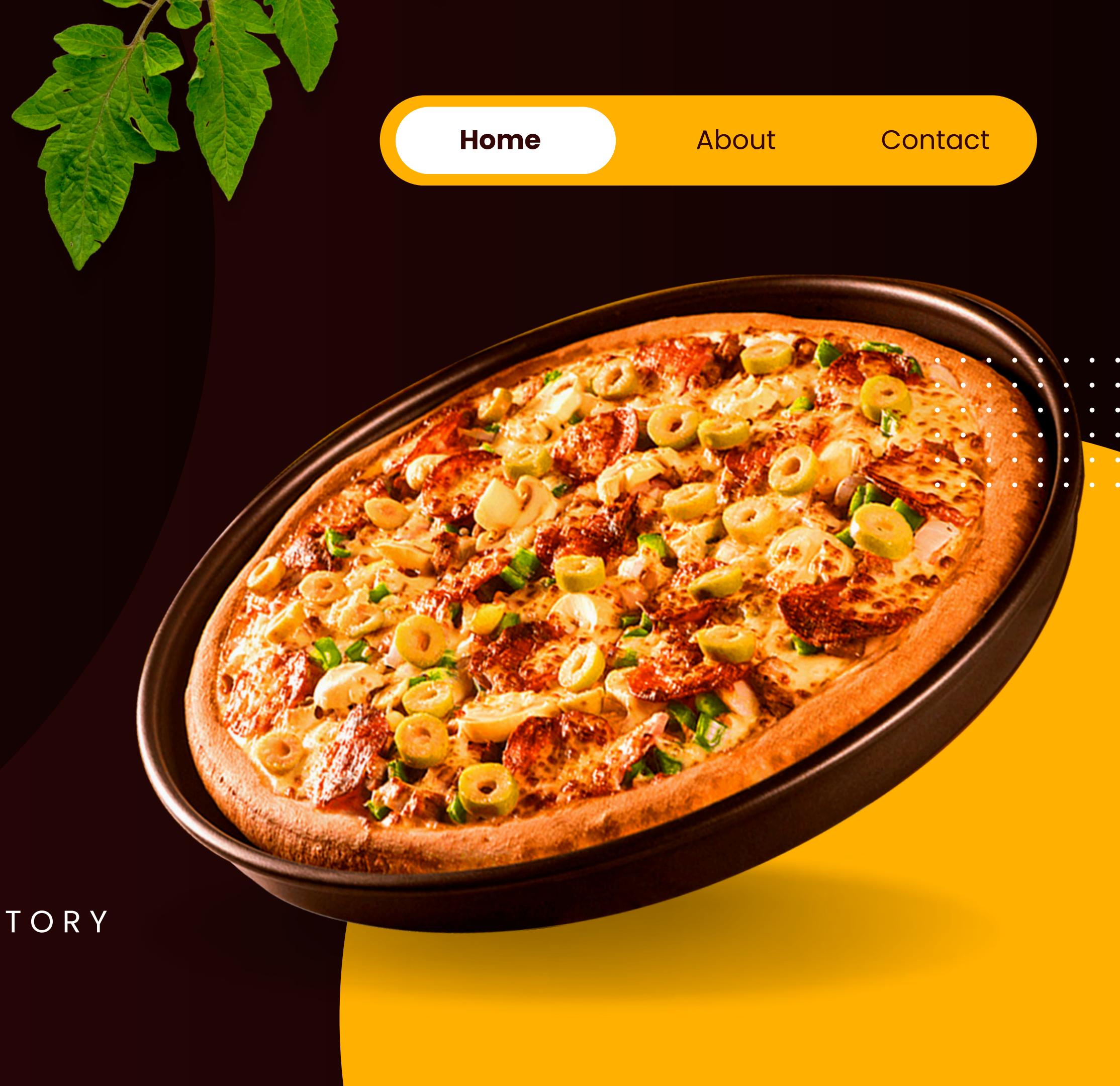




SHODWE
Pizza Resto

PIZZA ANALYSIS

● WHERE EVERY SLICE TELLS A STORY



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ABOUT US

HISTORY OF THE RESTAURANT

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RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

TOTAL ORDERS

Our pizza outlet processed 21,350 orders, indicating strong customer demand.



QUERY

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

OUTPUT

	Total_Orders
1	21350



CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALE

QUERY

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

OUTPUT

	Total_Revenue
1	817860.05

TOTAL REVENUE

Our pizza business generated \$817,860.05, reflecting strong sales performance





IDENTIFY THE HIGHEST-PRICED PIZZA.

QUERY

```
select PT.name, round(p.price,2)
from pizza_types as PT
join pizzas as p
on PT.pizza_type_id = p.pizza_type_id
where p.price =(Select max(price) from pizzas);
```

OUTPUT

	name	price
1	The Greek Pizza	35.95

HIGHEST-PRICED PIZZA

Among all varieties, The Greek Pizza stands out as the most expensive at \$35.95.



IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

QUERY



```
select p.size, count(order_details_id)
from pizzas as p
join order_details as od
on p.pizza_id = od.pizza_id
group by P.size;
```

OUTPUT

	size	count_order
1	L	18526
2	M	15385
3	S	14137
4	XL	544
5	XXL	28

PIZZA SIZE POPULARITY

Customer preference leans heavily toward Large pizzas, followed by Medium and Small. XL and XXL are niche choices.



LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.



QUERY

```
select pt.name, sum(quantity) as total_Quantity
from pizza_types as pt
join pizzas as p
on pt.pizza_type_id = p.pizza_type_id
join order_details as od
on p.pizza_id = od.pizza_id
group by name
order by total_Quantity desc
OFFSET 0 ROWS FETCH NEXT 5 ROWS ONLY;
```

OUTPUT

	name	total_Quantity
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

CHICKEN PIZZA

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THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

Q U E R Y

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

O U T P U T

	category	Total_Quantity
1	Chicken	11050
2	Classic	14888
3	Supreme	11987
4	Veggie	11649

C A T E G O R Y T O T A L Q U A N T I T Y O R D E R E D

Classic pizzas are the most ordered category, indicating strong customer preference for traditional flavors. Supreme and Veggie follow closely, while Chicken maintains steady demand.



THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

QUERY

```
select datepart(hour,order_time) as hour,  
count(order_id) as "count of Order"  
from orders  
group by datepart(hour,order_time)  
order by hour;
```

ORDER VOLUME BY HOUR

Peak ordering hours are between 12 PM and 1 PM, and again from 5 PM to 7 PM, indicating strong lunch and dinner demand. Minimal activity occurs before 11 AM and after 10 PM.

OUTPUT

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



THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

QUERY

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

OUTPUT

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

COUNT PIZZA TYPES PER CATEGORY

The Supreme and Veggie categories offer the widest variety, each with 9 unique pizzas. Classic follows with 8, while Chicken has 6 options. This distribution highlights a balanced menu with strong emphasis on vegetarian and premium flavors.

THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

QUERY

```
SELECT ROUND(AVG(quantity),0) AS avg_daily_quantity
FROM (SELECT o.order_date, SUM(od.quantity) AS quantity
      FROM orders AS o
      JOIN order_details AS od
      ON o.order_id = od.order_id
      GROUP BY o.order_date
    ) AS order_quantity;
```

OUTPUT

	avg_daily_quantity
1	138

CALCULATE AVERAGE DAILY PIZZA ORDERS

On average, 138 pizzas are ordered per day, indicating consistent demand across the week. This metric helps in forecasting inventory, staffing, and delivery logistics



THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

QUERY

```
select pt.name,  
sum(quantity*price)as total_revenue  
from order_details as od  
join pizzas as p  
on od.pizza_id = p.pizza_id  
join pizza_types as pt  
on p.pizza_type_id = pt.pizza_type_id  
group by name  
order by total_revenue desc  
offset 0 rows fetch next 3 rows only;
```

OUTPUT

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

IDENTIFY TOP REVENUE-GENERATING PIZZA TYPES

Chicken-based pizzas dominate the revenue chart, with Thai Chicken Pizza leading the pack. These results highlight customer preference for bold, flavorful options that also drive high sales.



THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

QUERY

```
select pt.category,
round((sum(quantity*price)/(select round(sum(od.quantity * p.price),2)
from order_details as od
join pizzas as p
on od.pizza_id = p.pizza_id)*100,2) as Total_Revenue
from order_details as od
join pizzas as p
on od.pizza_id = p.pizza_id
join pizza_types as pt
on p.pizza_type_id = pt.pizza_type_id
group by category
order by Total_Revenue desc;
```

OUTPUT

	category	Total_Revenue
1	Classic	26.91
2	Supre...	25.46
3	Chicken	23.96
4	Veggie	23.68

CALCULATE REVENUE SHARE BY PIZZA CATEGORY

Classic pizzas contribute the highest share of revenue at 26.91%, followed closely by Supreme and Chicken categories. This breakdown helps identify which categories drive the most business value.



THE CUMULATIVE REVENUE GENERATED OVER TIME.

QUERY

```
select order_date,  
round(sum(revenue) over(order by order_date),2)as cum_revenue  
from (select o.order_date,  
sum(od.quantity * p.price) as revenue  
from order_details as od  
join pizzas as p  
on od.pizza_id = p.pizza_id  
join orders as o  
on o.order_id = od.order_id  
group by o.order_date) as sales;
```

TRACK CUMULATIVE REVENUE GROWTH BY DATE

Revenue steadily increased over time, with consistent daily sales contributing to a strong cumulative growth. This trend helps visualize business momentum and supports forecasting for future performance.

OUTPUT

	order_date	cum_revenue
1	2015-01-01	2713.85
2	2015-01-02	5445.75
3	2015-01-03	8108.15
4	2015-01-04	9863.6
5	2015-01-05	11929.55
6	2015-01-06	14358.5
7	2015-01-07	16560.7
8	2015-01-08	19399.05
9	2015-01-09	21526.4
10	2015-01-10	23990.35
11	2015-01-11	25862.65
12	2015-01-12	27781.7
13	2015-01-13	29831.3
14	2015-01-14	32358.7
15	2015-01-15	34343.5
16	2015-01-16	36937.65
17	2015-01-17	39001.75



THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

QUERY

```
select category, name ,  
revenue from  
(select category, name , revenue,  
rank() over (partition by category order by revenue desc) as Rank  
from (select pt.category, pt.name, sum(od.quantity * p.price) as revenue  
from pizza_types as pt  
join pizzas as p  
on pt.pizza_type_id = p.pizza_type_id  
join order_details as od  
on od.pizza_id = p.pizza_id  
group by pt.category, pt.name) as a) as b  
where Rank <=3;
```

TRACK CUMULATIVE REVENUE GROWTH
BY DATE

Revenue steadily increased over time, with consistent daily sales contributing to a strong cumulative growth. This trend helps visualize business momentum and supports forecasting for future performance.

OUTPUT

	category	name	revenue
1	Chicken	The Thai Chicken Pizza	43434.25
2	Chicken	The Barbecue Chicken Pizza	42768
3	Chicken	The California Chicken Pizza	41409.5
4	Classic	The Classic Deluxe Pizza	38180.5
5	Classic	The Hawaiian Pizza	32273.25
6	Classic	The Pepperoni Pizza	30161.75
7	Supre...	The Spicy Italian Pizza	34831.25
8	Supre...	The Italian Supreme Pizza	33476.75
9	Supre...	The Sicilian Pizza	30940.5
10	Veggie	The Four Cheese Pizza	32265....
11	Veggie	The Mexicana Pizza	26780.75
12	Veggie	The Five Cheese Pizza	26066.5



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THANK YOU

FOR ATTENTION

- 2025 PIZZA ANALYSIS PRESENTATION