

SmartBite – Online Food Delivery DBMS

A complete company-level Microsoft Access DBMS project
Designed for food delivery business analysis & management



Introduction

- **Comprehensive Microsoft Access Database System**
- Built for managing online food delivery operations
- **Handles large datasets, real-time reporting, and automation**



Add Text ➔

Why SmartBite?

✓ SmartBite centralizes & automates everything

01.

A

✗ Disorganized,
scattered order files

02.

B

✗ Manual & error-
prone reporting

03.

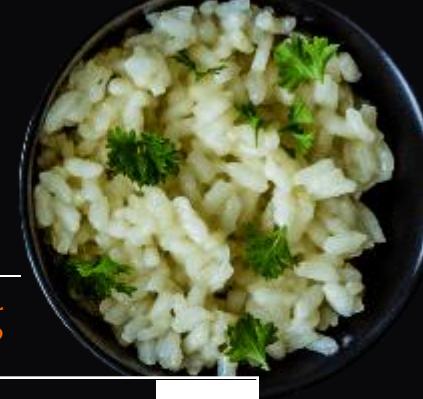
C

✗ No insights into loyal
vs regular customers

04.

D

✗ Inconsistent payment
& cancellation records



Project Purpose

01



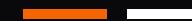
Solve real-world business pain points



02



Centralize monthly order data



03



Ensure data consistency & accuracy



04



Deliver automated revenue & sales insights

Key Objectives

- Generate professional reports
- Calculate Revenue, Discounts, Commissions

Manage monthly transactions
(Jan–Apr)

- Analyze sales, cancellations & customer behavior
- Build master tables (Food, Customers, Restaurants)



Core Features

Unified AllOrders
dataset



Month-wise sales
growth trends



Payment mode
analysis

\$ 321 usd



core features



Revenue,
cancellation &
loyalty insights

Validation &
automation rules



Database Structure



- -Food Items Table (₹150–₹350 range)
- -Customers Table (Gold / Regular Members)
- -Restaurants Table (Cloud, Dine-In, Takeaway)
- -Monthly Orders (Jan–Apr)
- -Final AllOrders merged table



Relationships



Each Order → Valid Food Item



Referential
integrity
applied



Each Order → Valid Customer

No orphan
records



Each Order → Valid Restaurant

Validation Rules

Prevent negative quantities

\$ 321 usd



Rules



Restrict status
(Delivered,
Cancelled, In-
Process)



Rules



Allow only
auto-generated
unique Order
IDs
Valid payments
(Cash, Card, UPI,



Rules



Auto-generated
unique Order IDs

\$ 321 usd

Rules

Business Problems Solved



Sales Analysis (Top 5 food items)



Gross vs Net Revenue insights



Cancellation trends by item/restaurant



Gold vs Regular customer analysis



Payment method reliability



short
description



Key Calculations



- **Gross Revenue = Quantity × Price**
- **Discount = 10% for Gold Members**
- **Net Revenue = Gross – Discount**
- **Commission = 20% of Net Revenue**
- **Cancellation % = Cancelled ÷ Total × 100**

Sales Insights



Top food items each month



Restaurant-wise
performance



Gold Members vs Regular
behavior



Domino's

35

minute

McDonald's

20

minute

Cancellations Analysis

short description



**Identify restaurants
with high
cancellations**



**Find payment modes
with least issues**



**Track overall
cancellation %**

Growth Trends

Month-wise revenue tracking

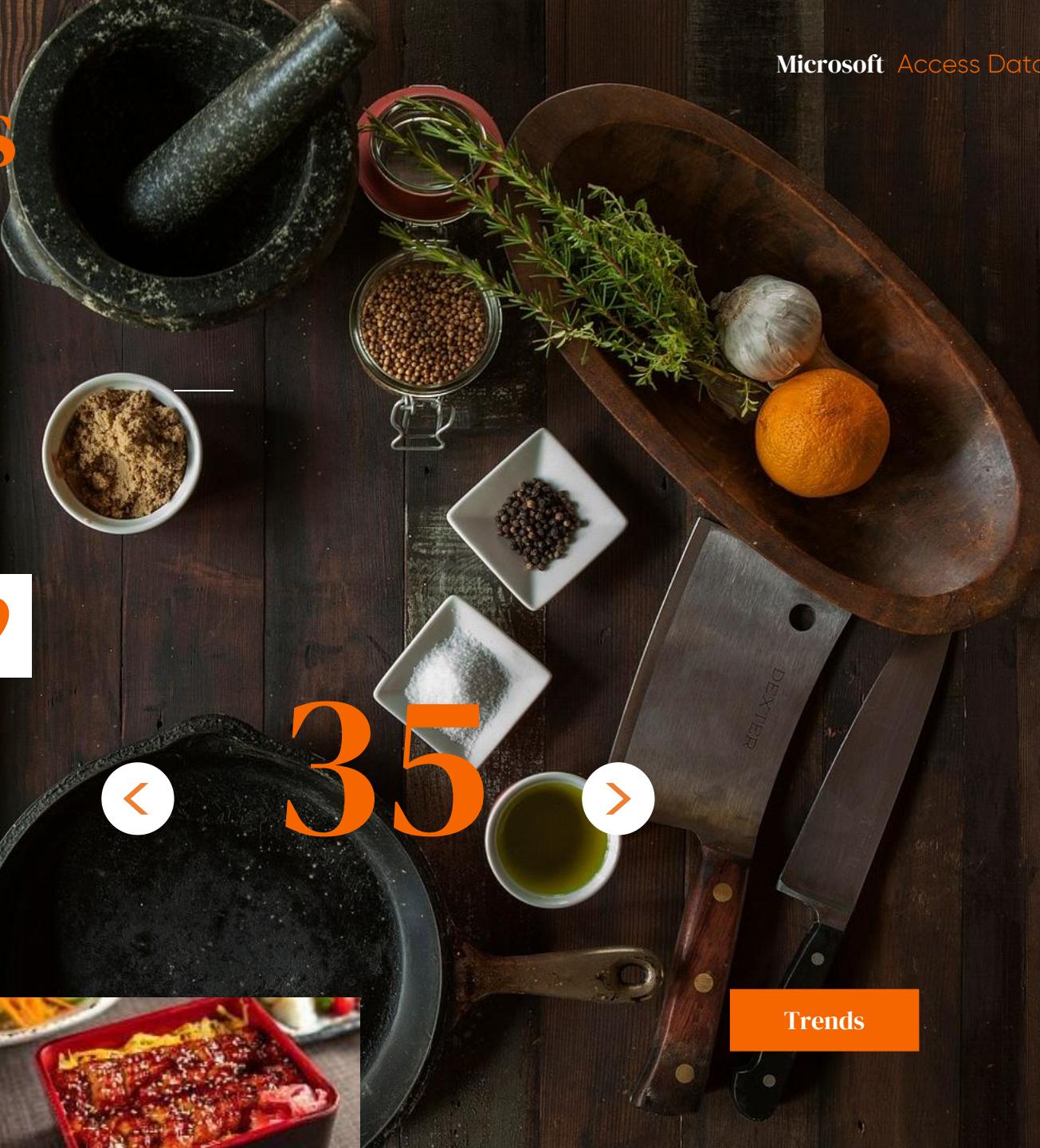
Compare January → April sales

Show overall business growth



35

Trends



Customer Segmentation

- Gold Members: Higher frequency & discounts
- Regular Members: Baseline sales
- Identify loyalty program effectiveness

Segmentation



135+

KFC

2449

PizzaHut

186

McDonald's

\$20

Domino's



Restaurant Performance

- Compare partner restaurants
- Detect underperforming outlets
- Optimize commissions

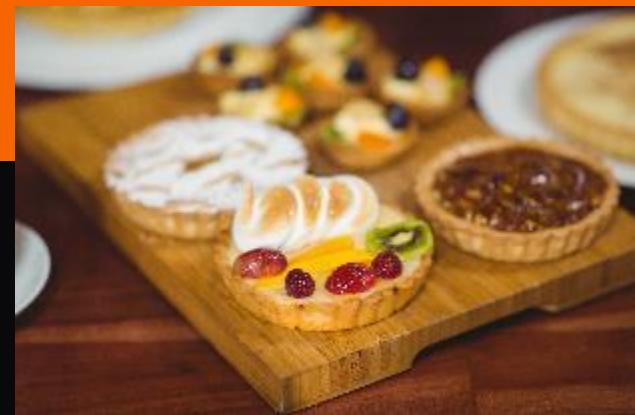


Payment Trends

short description



Cash, Card, UPI,
Wallet analysis



Reliability vs
Cancellations



Customer preference
insights

Access Features Used

short description

- Crosstab Queries (Trends)
- Append & Union Queries (Data merge)
- Group By Queries (Segmentation)



Access

\$ 321 usd



- Macros (Automation)
- AutoNumber IDs (Unique orders)
- Locked Tables (Protection)



Access

\$ 321 usd



Forms & Reports

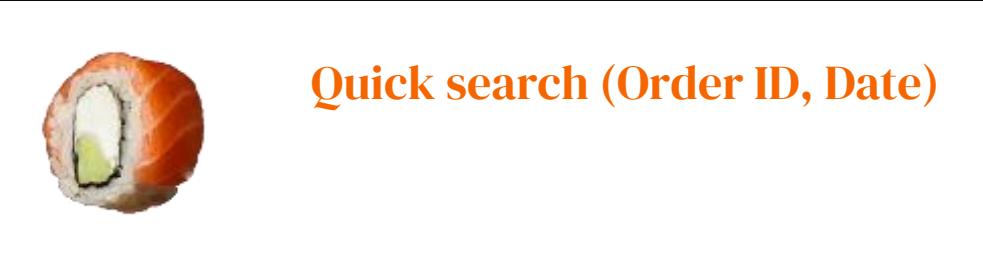


User-friendly Forms: Add Orders, Customers, Restaurants



35

minute



Quick search (Order ID, Date)



20

minute



Reports: Sales, Payments, Cancellations, Loyalty

Deliverables



Description



- Master Data: Food, Customers, Restaurants
- Monthly Transactions (Jan–Apr)
- Final All Orders dataset
- Queries for analysis
- Reports for management
- Macros for automation



Final Results

01



02



03



04



Complete
company-
level DBMS

Realistic data
& business
insights

Automated,
error-free,
reliable

Ready-to-use
for food
delivery
businesses



Closing



SmartBite proves the power
of Microsoft Access



From raw orders → to
automated insights



Practical



Scalable



Company-level



short
description



Delicious Choices, Managed Smartly

Microsoft Access Database



THANKS FOR WATCHING

Every great presentation is complete with a great audience — and that's you!



- 01
- 02
- 03

