**🍽️ International Cuisine Restaurant Analysis**

**Overview**

This project explores data from a fictional international cuisine restaurant, analyzing a quarter's worth of orders to uncover actionable insights. The project combines **SQL Server Management Studio (SSMS)** for **Exploratory Data Analysis (EDA)** and **Power BI** for creating interactive visualizations.

**🎯 Objectives**

The key objectives of this project are:

1. **Exploratory Data Analysis (EDA):** Conducted using SSMS to uncover vital business insights.
2. **Visualization and Insights:** Developed in Power BI to present data interactively and effectively.

**🛠️ EDA Process in SSMS**

Detailed analysis was conducted on the restaurant's operational data using SQL queries. This step-by-step approach provided critical insights, such as:

* 📋 **Total Items on the Menu**
* 💰 **Most and Least Expensive Item on the Menu**
* 🍴 **Total Number of Dishes by Each Category**
* 📦 **Total Orders and Their Breakdown by Items**
* ⭐ **Top and Least Ordered Items**
* 🏆 **Top 5 Orders by Money Spent**

**📊 Visualization and Insights in Power BI**

Power BI played a crucial role in transforming the data into meaningful insights through interactive visualizations. The key visualizations included:

* 📈 **Average Price by Category**
* 🍽️ **Number of Dishes by Category**
* 💵 **Total Sales and Orders Overview**
* 📅 **Monthly Sales Trends**
* 🔝 **Top and Least Sold Items by Category**
* 📊 **Item-wise Total Orders by Category**

**🧮 DAX Measures**

Custom DAX measures were crafted to enhance the analysis. Key measures included:

* 💲 **Total Sales**
* 🛒 **Total Orders**
* 📏 **Order Count**

**📌 Conclusion**

This project showcases the power of combining **SQL** for detailed data exploration and **Power BI** for impactful storytelling. By analyzing and visualizing the restaurant's performance, this analysis provides valuable insights to drive informed decision-making and optimize operations.

