

Restaurant Management System

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Where is this Restaurant DBMS useful?

- Food delivery applications
- Government institutions like FSSAI
- Data Analyst's research



Swiggy : A food service application

- Swiggy shows you a huge variety of food and delivers it to your location.
- It requires to store all the restaurants, each of the restaurant's dishes, prices, ratings, reviews etc.
- It also stores all your previous orders, favourites etc.



Any Restaurant

- A restaurant requires to store details of all their inventory, items, dishes, bills, customer reviews, etc.
- It also stores the details of all the employees.



FSSAI

- An institution like FSSAI must maintain records of all restaurants to keep checking for the food standards.
- It should also maintain these records for appropriate taxing.



Data Analyst's Research

- A Data Analyst can use such a database for gaining a lot of useful information.
- As a data analyst the Restaurant DBMS is useful for analysing sales, popular items and useful information like that.



Problems we faced

1. To retrieve which restaurant an order/bill/menu etc belonged to we faced a problem with primary key identification.

Solution : Restaurant name as foreign key in all the respective entities.

2. To perform data analysis using only SQL is very tedious.

Solution : Exported certain query results to a csv and used pandas for statistical analysis.



Thank You

