ANALYSIS SWIGGY:
BANGALORE DELIVERY OUTLET DATA

High Level Design
(HLD)

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Analysis Swiggy: Bangalore Delivery Outlet Data Architecture

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1 Abstract

The online food ordering market includes foods prepared by restaurants, prepared by independent people, and groceries being ordered online and then picked up or delivered. The first online food ordering service, World Wide Waiter (now known as Waiter.com), was founded in 1995. Online food ordering is the process of ordering food from a website or other application. The product can be either ready-to-eat food or food that has not been specially prepared for direction consumption.

2 Scope

The aim of this project is to find out who is the best restaurants, highest rating, cost, cuisine cost, expensive restaurants with respective areas. There are four dashboards showing Shop name with rating, Cost of cuisines, Places in different professions. Dashboards show in which area the expensive restaurants are there, what is rating, what all items available, etc. so that each and every one can analyse which restaurant is the best according to cost and ratings.

3 Problem Statement

The online food ordering market includes foods prepared by restaurants, prepared by independent people, and groceries being ordered online and then picked up or delivered. The first online food ordering service, World Wide Waiter (now known as Waiter.com), was founded in 1995. Online food ordering is the process of ordering food from a website or other application. The product can be either ready-to-eat food or food that has not been specially prepared for direction consumption.

3.1 Data Description

As we have seen earlier, in our Swiggy dataset, we have around 118 records with 5 different features. Features are distributed as 2 Continuous features and 3 Categorical features. These datasets are given in the form of Comma Separated Values).csv) format.

3.2 Features Description

- Shop_Name: name of the shop and its data type is text.
- Cuisine: Food name which are available in shop and its data type is text.
- Location: Location where shops are located and its data type is text.
- Rating: It's a rating of shop and its datatype is numeric.
- Cost_of_two: It is a cost of two Cuisine and its data type is numeric.

4 Tasks

- Do ETL: Extract-Transform-Load the dataset and find for me some information from this large data. This is form of data mining.
- What all information can be achieved by mining this data, would be explained in class by the trainer
- Find key metrics and factors and show the meaningful relationships between attributes.
- Do your own research and come up with your findings..

5 KPIs (Key Performance Indicators):

- Dashboard will be implemented to display and indicate certain KPIs and relevant indicators.
- As and when, the system starts to capture the historical/periodic data for a user, the dashboards will be included to display charts over time with progress on various indicators factors.
- Key Indicators displaying top restaurants:
  - Affordable restaurant
  - Expensive restaurant
  - Expensive area
  - High available food items
  - High rating restaurant

6 Deployment

- Any company or organization wants analyse data visual data for better understanding. For that, companies are already using the best business intelligence technologies for better data visualization and Power BI is one of them.
- Power BI has its various services. One can use Power BI for making good visuals because Power BI Desktop is free of cost, anyone can use it will be deployed on its own Power BI Services, from there one can see your work, dashboards etc. You can also sharable link for those who want to see your work

7 Tools Used

The Business Intelligence tools like MS Excel and Power BI for making analysis and visualization.

- **MS Excel** is used for data.
- **Power BI** is used to prepare data and make graphs and charts accordingly. Make dashboards using the charts