High Level Design

Analyzing Swiggy: Bangalore delivery outlet data

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HIGH LEVEL DESIGN

Abstract

The market for ordering food online comprises dishes made by independent chefs, restaurants, and consumers who order goods online for pick-up or delivery. World Wide Waiter, currently known as Waiter.com, was established in 1995 and was the first website for ordering food. The act of ordering meals from a website or other application is known as online food ordering. Food that hasn't been specially prepared for directed eating or food that is ready to consume can both be considered products. The food sector is advancing with the help of data science and analytics in the realm of emerging new technology and innovation. By highlighting the areas of the service that need improvement, data analysis can assist them to understand their business in a whole different way.

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❖ Scope:

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system.

❖ 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 direct consumption.

Do ETL : Extract-Transform-Load the dataset and find for me some information from this large data. This is a 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.

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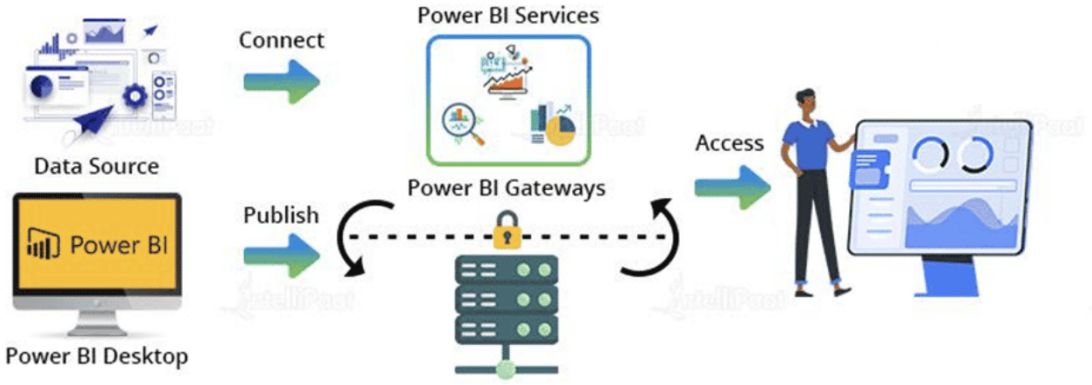
❖ Architecture:



❖ Tools Used:

For analysis and visualization, I have used business intelligence tools like MS Excel and Power BI.

For data, MS Excel is used.

Data preparation, graph and chart creation, and dashboard creation using the charts are all done using Power BI.

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❖ KPIs (Key Performance Indicators):

➢ Dashboards 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 or factors.

➢ Key Indicators displaying top entertainers:
- Affordable restaurant
- Expensive restaurant
- Expensive area
- High available food item
- High Rated Restaurant

HIGH LEVEL DESIGN

❖ Deployment

- Any business or organization wants to analyze data with visuals for greater comprehension. Businesses already use the top business intelligence tools for improved data visualization, and one of them is Power BI.
- Power BI offers a number of services. Because Power BI Desktop is free to use and is installed on its own Power BI Services, anyone may use it to create effective graphics. From there, you can view your work, dashboards, and other items. For people who want to view your work, you can also share a link.