High Level Design

Analyzing Swiggy:Bangalore delivery outlet data

Author : Aayushi Bidkar

INDEX

S.NO	Title	Page.No
1	Abstract	
2	Scope	
3	Problem statement	
4	Architecture	
5	Tools Used	
6	KPIs	
7	Deployment	

Abstract

The market for ordering food online comprises dishes made by independent chefs,restaurants, and consumers who order online for pick-up or delivery.

● Online food ordering is the process of ordering food, for delivery or pickup, from a website or other application. The product can be either ready-to-eat food (e.g., direct from a home-kitchen, restaurant, or a virtual restaurant) or food that has not been specially prepared for direct consumption (e.g., vegetables direct from a farm/garden, fruits, frozen meats. etc).

● Online food ordering/delivery through third-party companies have emerged as a global industry, leading to a "delivery revolution." From 2018 to 2021, global revenues for the online food delivery sector rose from $90 billion to $294 billion.

● The online food ordering market has increased in the U.S with 40 percent of U.S adults having ordered their food online once. 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

☐ 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.

☐ Architecture :
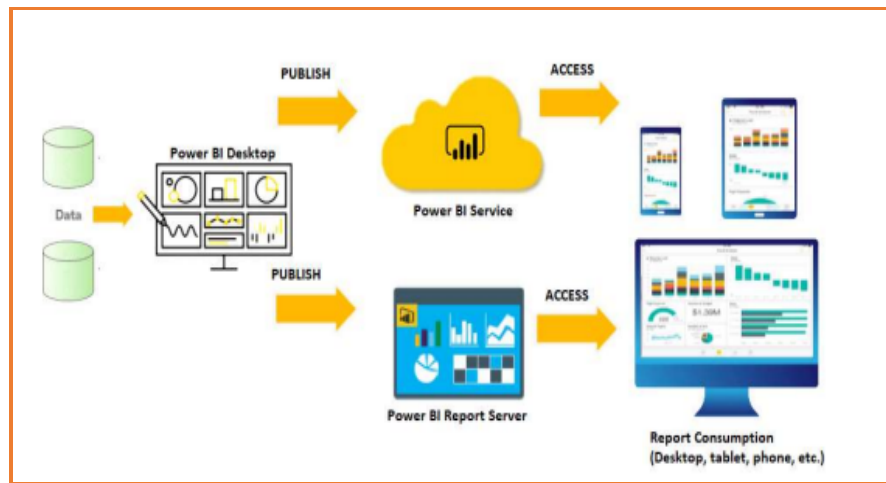
☐ Tools Used:
used tools like MS Excel and Power BI for analysis and visualization.

Power BI is used to make dashboards

☐ 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

☐ Deployment :

Any company or organization analyze data for better understanding.
For that, companies are already using the business intelligence
technologies for better data analysis and visualization and Power BI is one
of them.
Power BI has its various services.