

# High Level Design (HLD)

## Analyzing Swiggy

Revision Number: 1.0

Last date of revision: 25/06/2023

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## Document Version Control

| Date Issued                | Version | Description                   | Author             |
|----------------------------|---------|-------------------------------|--------------------|
| 25 <sup>th</sup> June 2023 | 1.0     | First Version of Complete HLD | Gouthamram Puranik |

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## Abstract

The online food ordering market has witnessed significant growth and diversity in recent years, encompassing various types of food services, including restaurants, independent individuals, and grocery delivery. The concept of ordering food online originated in 1995 with the establishment of World Wide Waiter, now known as Waiter.com. Online food ordering involves the convenient process of placing food orders through websites or applications, covering both ready-to-eat meals and food items that require preparation. This abstract provides an overview of the online food ordering market, its historical background, and the broad scope it encompasses, highlighting the dynamic nature of this evolving industry.

## 1.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.

## 2.Given Task

- 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.

## 3.Tools Used

Business Intelligence tools and libraries works such as Numpy, Pandas, Matplotlib, Seaborn , Power BI are used to build the whole framework.



seaborn



## 4. Analysis

### Data Extraction:

The dataset is already given .The dataset include relevant attributes such as Shop\_Name, Cuisine ,Location ,Rating , Cost\_for\_Two .

### Data Transformation:

In this step, the extracted data needs to be transformed into a structured format suitable for analysis. This may involve cleaning the data, handling missing values or outliers, and handling duplicates etc. The dataset should be organized into appropriate tables or files to facilitate further analysis.

### Data Loading:

The transformed data is then loaded and performed various analysis techniques and extract meaningful insights from the dataset.

### Data Visualization:

Data visualization is a crucial aspect of data analysis as it enables the communication of insights effectively. Created visual representations of the analyzed data using PowerBI which is a great data visualization tool .