

**LLD**

**(Low Level  
Documentation)**

**STORES SALES PREDICITON**

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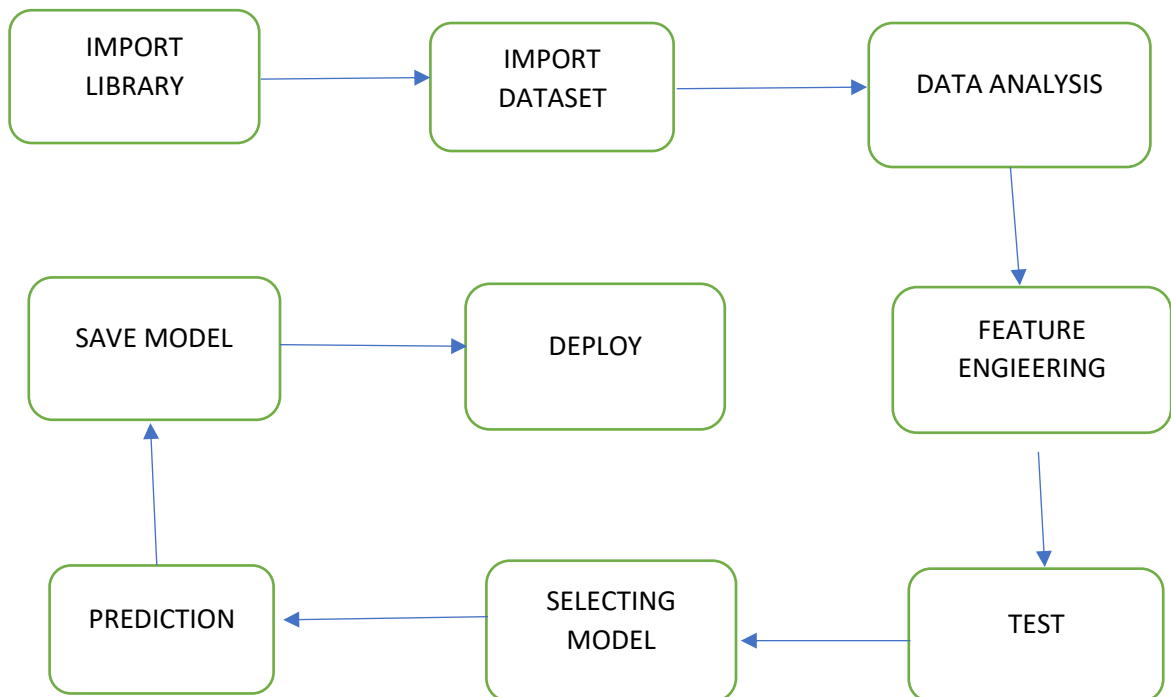
# INTRODUCTION

## 1.1. What is Low-Level design document?

The purpose of a low-level design document (LLDD), sometimes known as an LLD, is to provide the internal logical design of the actual programmer code for the Food Recommendation System. LLD describes class diagrams, including methods and relationships between classes, as well as programmer specifications. It describes the modules in such a way that the user can understand them. The software can be immediately coded from the document by the programmer.

## 1.2. Scope

Low-level design (LLD) is a component-level design method that involves iterative refining. This method can be used to the creation of data structures, software architecture, source code, and, eventually, performance algorithms. Overall, data organization can be determined at the requirement analysis phase and then refined throughout the data design phase.



## **ARCHITECTURE**

- ✓ Start
- ✓ Data Collection
- ✓ Data Transformation
- ✓ Data Preprocessing
- ✓ Data Visualizing
- ✓ Model Building
- ✓ Pushing to cloud
- ✓ Application start
- ✓ data from user
- ✓ Prediction to user
- ✓ End

## ARCHITECTURE DESCRIPTION

- 1) **Data Description:** - Data is given in the Csv Format.
- 2) **Data Transformation:** -Transformed the data in required format.
- 3) **Data Pre-processing:** - Pre-processed the data.
- 4) **Model Building:** - In this we used different models for prediction.
- 5) **Model pursing to cloud:** - Deploying model to cloud.
- 6) **Data from User:** - Taking data from user.
- 7) **Data Validation:** - Here Data Validation will be done, given by the user
- 8) **Prediction**

## TOOLS

- PyCharm
- Jupyter notebook.

## CLOUD PLATFORM

 Heroku

## **LIBRARIES**

- Pandas
- NumPy
- Seaborn
- Matplotlib
- Sklearn
- Streamlit

## DISPLAY

# Welcome | Predict the sales

sales Prediction

Item\_Weight in kg

34

Item\_Fat\_Content in g

12

Item\_Visibility

1

Item\_MRP

1256

Select outlet type:

☐ Tier 1

☐ Tier 2

☒ Tier 3

Outlet\_Age(No of setup years)

2

Item\_Visibility\_bins

2

GroceryStore

0

Select market type:

☒ SupermarketType1

☐ SupermarketType2

☐ SupermarketType3

Predict

[[20046.74807577]]