Low Level Design (LLD)

SALES DASHBOARD

Revision Number - 1.2

Last Date of Revision - 30/12/2021

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Document Control

Date	Version	Description	Author
22/12/2021	1.0	Introduction, Problem Statement	Nishad Wankhede
28/12/2021	1.1	Dataset Information, Architecture Description	Nishad Wankhede
30/12/2021	1.2	Final Revision	Nishad Wankhede

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1. Introduction

1.1 What is Low Level Design Document?

The goal of the Low-level design document (LLDD) is to give the internal logic design of the actual program code for the Sales dashboard. LLDD describes the class diagrams with the methods and relations between classes and programs specs. It describes the modules so that the programmer can directly code the program from the document.

1.2 What is Scope?

Low-level design (LLD) is a component-level design process that follows a step-by-step refinement process. The process can be used for designing data structures, required software architecture, source code and ultimately, performance algorithms. Overall, the data organization may be defined during requirement analysis and then refined during data design work.

1.3 Project Introduction

A sales activities dashboard provides sales managers with a visual representation of what they're reps are doing on a day-to-day basis. Plus, it gives them broader information like the average number of activities per won deal. 8. Performance The case for sales analytics teams to create centralized, self-service dashboards is compelling. Having centralized sales dashboards means that everyone will be using the same data to make decisions—with these reports Next, be a minimalist with your sales dashboard metrics and display. As a rule of thumb, you should only include a maximum of 6–10 data points per dashboard. If this feels restricting, try adding filters to break down large.

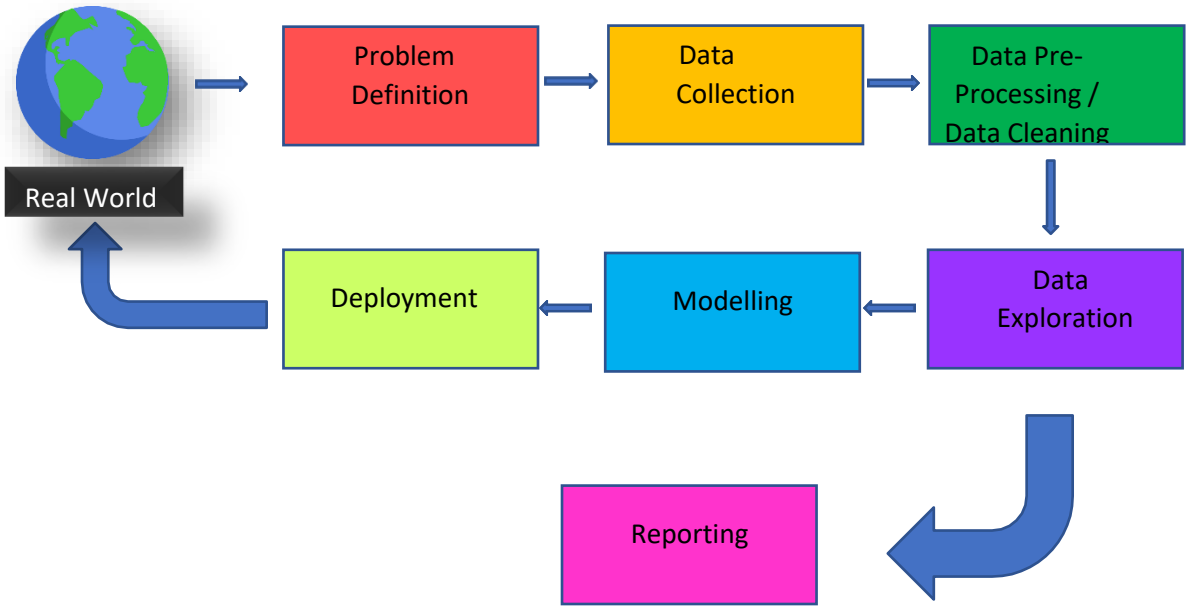
2. Problem Statement

The goal of this project is to analyses to predict the Sales Trends

3. Dataset Information

1. Total sales
2. Total Revenue generation
3. Total Sales
4. Country information
5. Order Date
6. Ship Date
7. Unit price
8. Unit cost
9. Item type

4. Architecture



4.1 Architecture Description

1. **Raw Data Collection**
   The Dataset was taken from iNeuron's Provided Project Description Document.

2. Data Pre-Processing

Before building any model, it is crucial to perform data pre-processing to feed the correct data to the model to learn and predict. Model performance depends on the quality of data feeded to the model to train.
This Process includes-

a) Handling Null/Missing Values
b) Handling Skewed Data
c) Outliers Detection and Removal

Data Cleaning

Data cleaning is the process of fixing or removing incorrect, corrupted, incorrectly formatted, duplicate, or incomplete data within a dataset.

d) Remove duplicate or irrelevant observations
e) Filter unwanted outliers
f) Renaming required attributes

3. Reporting

Reporting is a most important and underrated skill of a data analytics field. Because being a Data Analyst you should be good in easy and self-explanatory report because your model will be used by many stakeholders who are not from technical background.

a) High Level Design Document (HLD)
b) Low Level Design Document (LLD)
c) Architecture
d) Wireframe
e) Detailed Project Report
f) Power Point Presentation

4. Modelling

Data Modelling is the process of analysing the data objects and their relationship to the other objects. It is used to analyse the data requirements that are required for the business processes. The data models are created for the data to be stored in a database. The Data Model's main focus is on what data is needed and how we have to organize data rather than what operations we have to perform.

5. Deployment

I created a Power BI & Tableau Dashboard.