LOW LEVEL DESIGN (LLD) DOCUMENT ANALYZING OF GOOGLE APP STORE				
ANALIZING OF GOOGLE AFF STORE				
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1. Introduction

1.1 What is Low Level Design Document

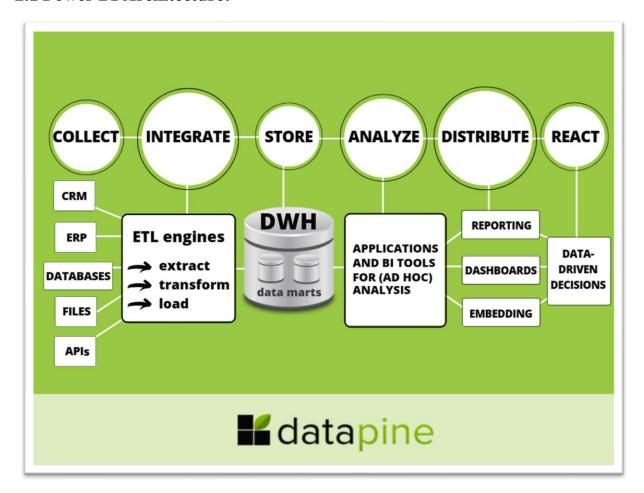
The goal of the LDD or Low-level design document (LLDD) is to give the internal logic design of the actual program code for the House Price Prediction dashboard. LDD describes the class diagrams with the methods and relations between classes and programs specs. It describes the modules so that the programmer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

1.2 Scope

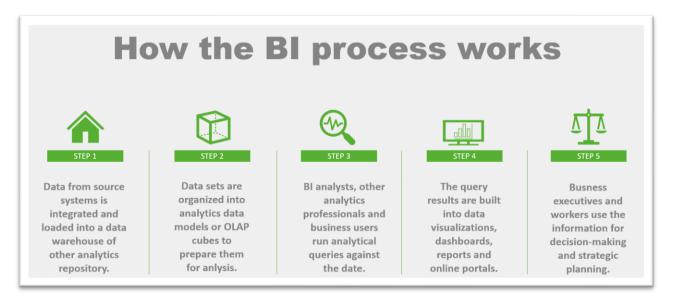
Low-level design (LLD) is a component-level design process that follows a stepby-step refinement process. The process can be used for designing data structures, required software architecture, source code and ultimately, performance algorithms. Overall, the data organization may be defined during requirement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

2. Architecture:

2.1 Power BI Architecture:



Functional Architecture of Business Intelligence



3. Architecture Description:

3.1 Data Description:

The Google Play Store Data Set Contains several following columns.

- Application Name: Name of the Application in Google Play Store
- Category: To which category does the Application belong
- Rating: Rating for the Application in Play Store
- Reviews: No. of Reviews given by the users downloaded the Application
- Size: Size of the Application available
- Installations: Total No. of Installations
- Type: Whether the Application is Free or Paid
- Price: If it is Paid how much does the Application costs
- Content Rating: Who can rate the Application whether Everyone, 18+ etc.
- Genres: To which Genre does the Application belong to
- Last Updated: When was the Application updated lastly
- Current Version: Current Version of the Application if it is updated.
- Android Version: Application supports to which of the Android Version

3.2 Web Scraping:

Web scraping is a technique to automatically extract content and data from websites using bots. It is also known as web data extraction or web harvesting. Web scrapping is made simple now days, many tools are used for web scrapping. Some of python libraries used for web scrapping are Beautiful Soup, Scrapy, Selenium, etc.

3.3 Data Transformation:

In the Transformation Process, we will convert our original datasets with other necessary attributes format. For the given Data Set names of the Columns have been changed and Null Values, Error Values have been removed from the Data Set.

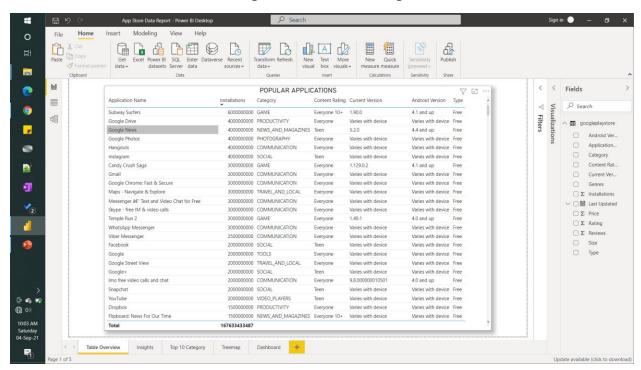


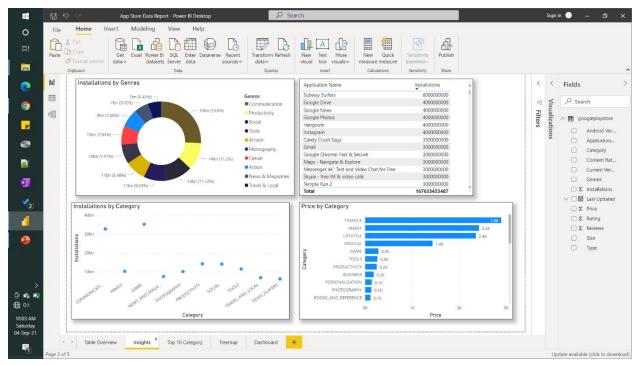
3.4 Creating relations between Parameters.

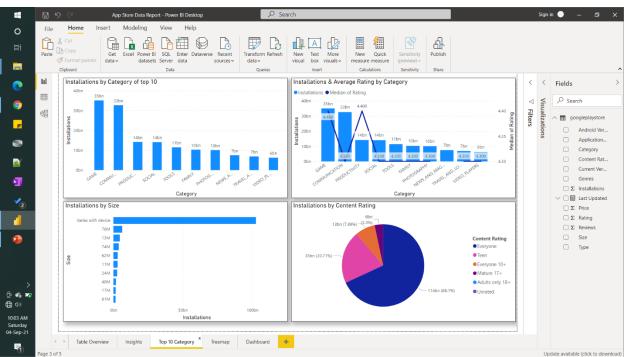
In this Project we had used many types of Visualizations like

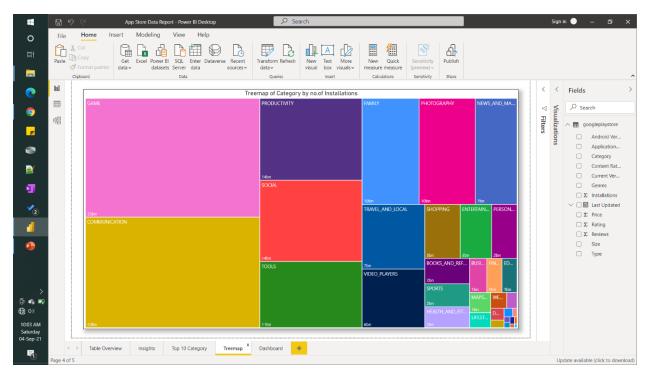
- 1. Table
- 2. Donut Chart
- 3. Scatter Chart
- 4. Stacked Bar Chart
- 5. Stacked Column Chart
- 6. Line and Stacked Column Chart
- 7. Pie Chart
- 8. Treemap
- 9. Slicer
- 10.Card
- 11.Gauge

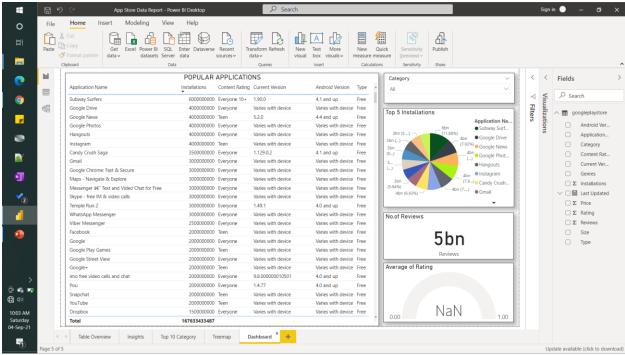
With the use of all the available parameters we had plotted visualizations.





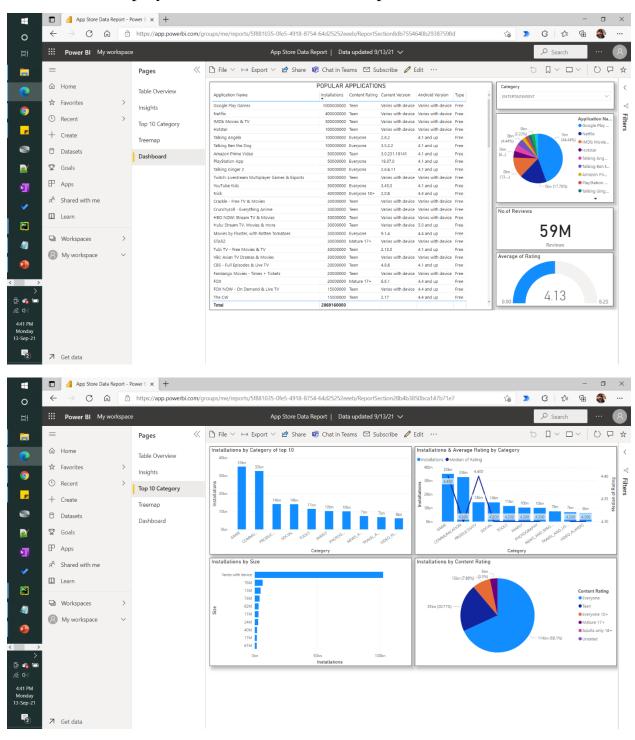






3.5 Deployment:

We can deploy the report in Power BI Service and can share the report to others if you have valid license of Power BI pro. Here we had successfully deployed the report to Power BI Service. We have Publish option in the Power BI Desktop from which we can deploy to Power BI Service online portal.



4. Unit Test Cases:

S. No	Test Case Description	Expected Results
1	Selecting the Game as category in the	Top applications are
	Slicer in Dashboard Page	shown based on highest
		no of Installations.
2	Average rating of the Application	After Selecting the
		Category if we select any
		application, we get
		Average rating of it.
3	Total No of Reviews	No. of reviews are shown
		using a Card in the
		Dashboard
4	Treemap of Category vs No of	We get a Treemap with
	Installations	respect to no. of
		Installations done
5	Average rating and No. of Installations	With the help of Line and
		Stacked Column Chart
		we get the average rating
		and No of Installations
6	Who can rate the Application	With Pie Chart we get the
		type of percentage of
		users rated the
		Application.