High Level Design

# DELOITTE CASE STUDY

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# 1. Problem Statement

It is used as a collective term to refer to a broad range of economic services provided by the finance industry, which encompasses a broad range of organizations that manage money, including credit unions, banks, credit card companies, insurance companies, consumer finance companies, stock brokerages, investment funds A banking domain is comprised of all the components needed to run a financial service end-to-end. It covers the transaction and distribution process; the ways in which customers interact with the system, products, and services the organization offers; and the technology involved.

# 2. Aim

We can look into the following aspects while judging the individual’s excel skills:

1. As the data is quite unstructured, if the individual is able to structure it and draw insights from it

2. The typical dashboard will have slicers for Country and Time period (Monthly, Quarterly and Yearly) and trend analysis for Exchange Rate, CPI and Exports in a single tab

3. If the individual is able to do a YoY, CAGR analysis on that dataset

4. Graphical representation of data and whether it is dynamic in nature i.e., if the data changes for all three charts when slicers are applied Deduplication and removal of redundancies – whether the individual is able to remove redundancies and erroneous results

# 3. Tools Used

* In order to make this report, I have used Business Intelligence tools like MS Excel and Power Bi for making analysis and visualisation.
* MS Excel is used to analysing the given data, adding all the given data in single file and add new dataset also.

It is also used for removing unwanted data.

* Power Bi is used for visualisation of the datasets import from Excel file by using different visualisations such as Slicers, Graphs, Charts etc

# 4. KPIs(Key Performance Indicator)

* Dashboard will be implemented to display certain KPIs and relevant indicators.
* Key Indicators are:
* CPI Ranking by Country
* CPI YoY Comparison
* Inflation Rate YoY Growth by Year
* Current Exchange Rate, Exchange rate LY and Exchange rate 2LY by quarter
* YoY Change % by Country
* Export Merchandise Ranking by Country
* Current Exports, Exports LY and Exports 2LY by country
* YoY Change by Country
* CAGR Exports by Year and Country
* Top 10 Country by CPI
* Sum of data by Year and Country
* Top 10 Country by Export Merchandise
* Top 10 Country by Exchange Rate
* Sum of Data by Year and Country

# 5.Deployment

* Deployment in a Power Bi project involves process of making your report, dashboards and data accessible to end-user in a production environment
* Power Bi supports connectivity to various data sources, enabling users to consolidate data from multiple sources in a single view.

One can use it as it is free of cost, depends on its own Power Bi server, from there anyone can see your dashboards.

We can also share the shareable link to those who wants to see.