Project Design Phase-I
Proposed Solution

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Project Name	Retail Store Stock Inventory analysis

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In order for merchants to meet customer demand without running out of inventory or carrying an excess supply, a retail store stock inventory management system must be developed.
2.	Idea / Solution description	Analytics for retail store stock inventories is used to analyse previous sales data of a merchant. By thoroughly comprehending the dataset, pattern recognition, relationship analysis, and connection using pandas and other python libraries and constructing utilising IBM Cognos analytics stock inventory visualisations, and to produce revealing dashboards .The final element Retailers benefit from dashboard's detailed inventory, easy categorization, and product listing papers demonstrating that they fulfil and satisfy demand for a product can vary.
3.	Novelty / Uniqueness	Analyzing the sales ratio and figuring out the stock availability are part of the answer. It identifies the retailer of items that are out of stock and also identifies the most well-liked goods among clients. In addition, IBM Cognos analytics software is used for visualisation rather than python libraries like matplotlib.
4.	Social Impact / Customer Satisfaction	Customers will get more varieties, high availability of the products.
5.	Business Model (Revenue Model)	1. Enhance the decision-making process with a view to lowering costs and raising profits. 2. Retailers are able to discern the core wants of their customers and modify their offerings to satisfy these needs.
6.	Scalability of the Solution	Both tiny retail establishments and major department stores can use this technique. It can also analyse a variety of datasets and perform many kinds of visualisations.