ProjectDesignPhase-II

Date	01 Nov 2022
Team ID	PNT2022TMID49986
Project Name	Retail Store Stock Inventory Analytics
Maximum Marks	4 Marks

Technical Architecture:
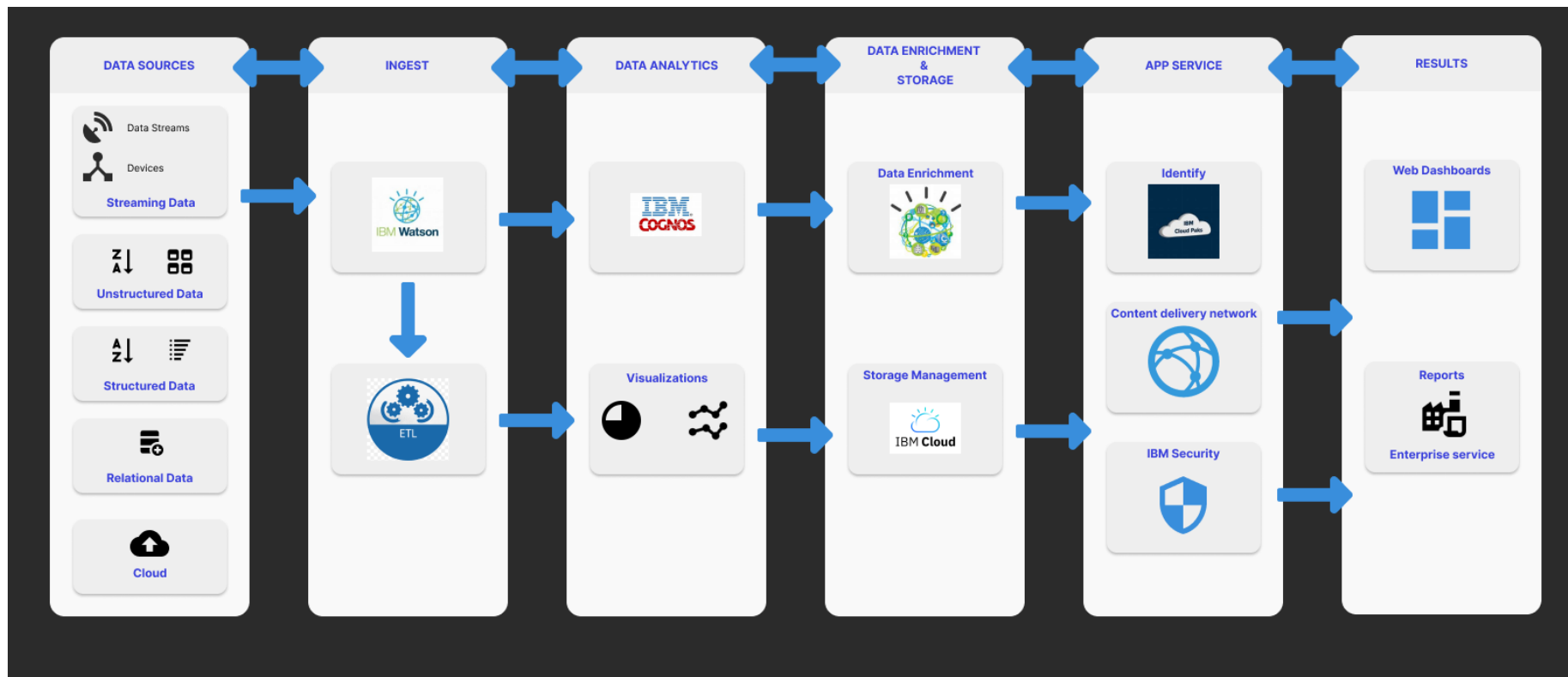
Table-1:

COMPONENTS & TECHNOLOGIES:

S.No	Component	Description	Technology
1.	User Interface	The user interacts with application using Web UI	HTML, CSS, JavaScript etc.
2.	Data Processing	The data from the dataset is pre-processed	IBM Cognos Analytics
3.	Cloud Database	The clean dataset is stored on IBM cloud	IBM cloud
4.	Data visualization	The data is visualized into different forms	IBM Cognos Analytics, Python
5.	Prediction	Algorithm techniques are used to predict the proper wat to make the stock in store.	ML algorithm – Logistic Regression, Linear Regression, Random Forest,

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open–Source Frameworks	Providing an authentication step for verifying that is the user or not?	Technology of Opensource framework
2.	Security Implementations	Clearing the orders as soon as possible will make the customer satisfied.	Javascript
3.	Scalable Architecture	Making a detailed information about the product could clear the customer doubts and fulfil the expected information	Reach js, Python
4.	Availability	Knowing the availability of product will show the availability of the product based on the customer location	Location–based marketing
5.	Review	For Creating a customer standard will make suggestion data base for future use	Basic web tool