Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	03 October 2022
Team ID	PNT2022TMID31896
Project Name	Global Sales Data Analytics
Maximum Marks	4 Marks

Technical Architecture:
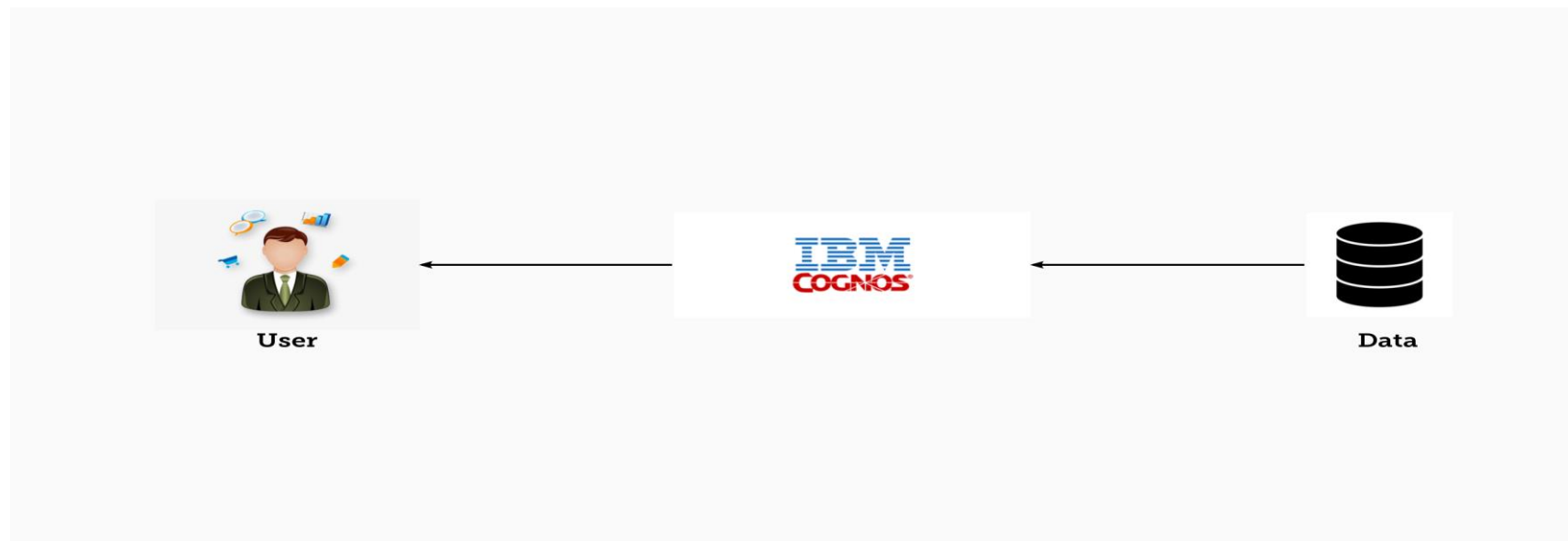
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	IBM Cognos
2.	Storage (Cloud)	Customer sales data is uploaded in cloud through interface.	IBM Cloud
3.	Working with dataset	Uploading and processing data.	IBM Cognos + IBM Cloud
4.	Data Exploration	Uploaded data is explored for analysing	IBM Cognos
5.	Data Visualization	Different types of visualization are created according to customer requirements.	IBM Cognos Dashboard
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	View	User logins to application to view visualizations for uploaded data.	IBM Cognos Dashboard

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	IBM Cognos, IBM Cloud
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Active directory
3.	Scalable Architecture	Justify the scalability of architecture	Web 3.0 IBM Cloud.
4.	Availability	Ability to create complex, multi-page layouts using different data sources. High performance data access across all sources.	Cognos Business Intelligence Server.
5.	Performance	Design consideration for the performance of the application	Performance management hub.