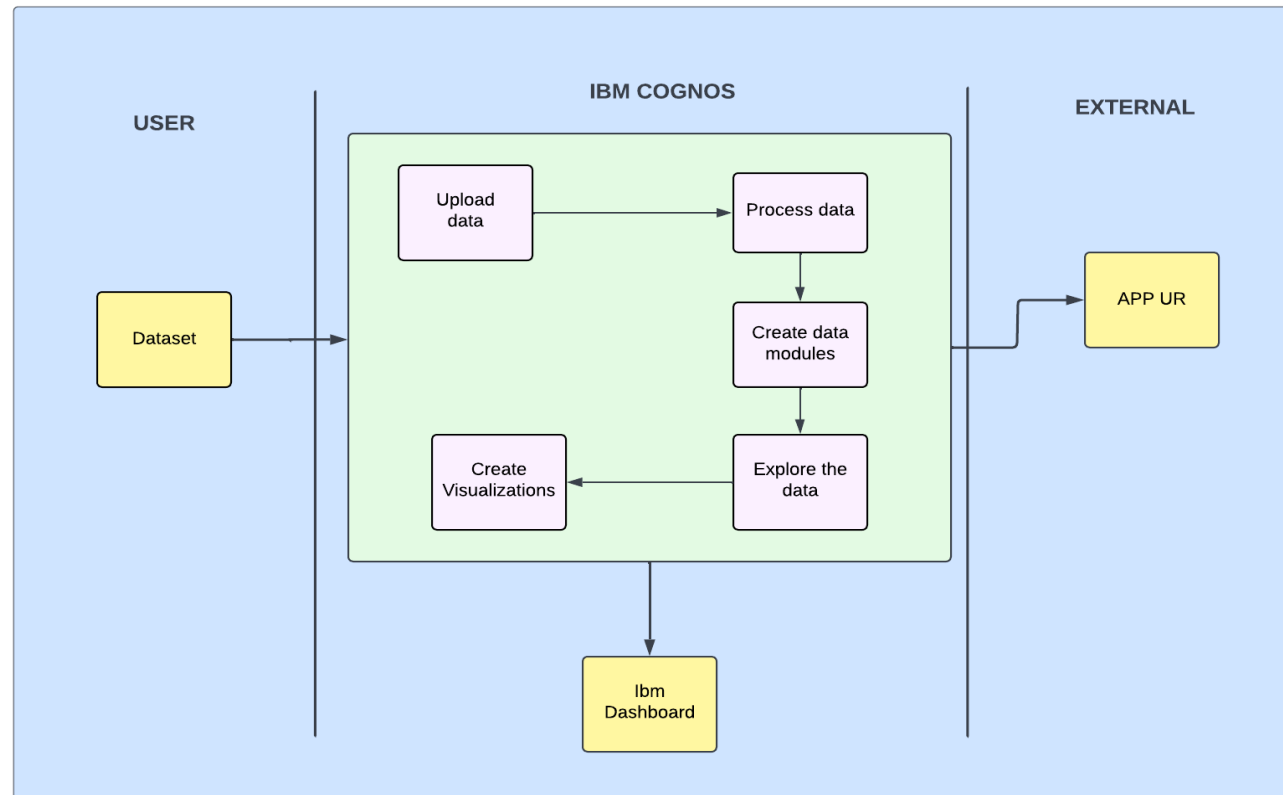


## Project Design Phase-II Technology Stack (Architecture & Stack)

Date	03October 2022
Team ID	PNT2022TMID03233
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

### Technical Architecture:



**Table-1: Components & Technologies:**

<b>S.No</b>	<b>Component</b>	<b>Description</b>	<b>Technology</b>
1.	User Interface	User interacts with application or Web	IBM Cognos Analytics
2.	Dataset	Global sales dataset is uploaded	IBM Cognos
3.	Working with the dataset	Uploading, cleaning and processing the dataset	IBM Cognos analytics with Watson
4.	Data Exploration	Uploaded data is explored to identify trends	IBM Cognos
5.	Data Visualization	Various data are represented in charts, graphs according to need of the customers.	IBM Cognos
6.	Cloud database	Database service on Cloud	IBM DB2, IBM Cloudant
7.	Viewing data	User logs in to the application to view the visualizations.	IBM Cognos Dashboard
8.	File Storage	File storage requirements	IBM Block storage or other storage services or local file system

**Table-2: Application Characteristics:**

<b>S.No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	List the open-source frameworks used	IBM Cognos, IBM Cloud, IBM Watson
2.	Security Implementations	Secure user information and data	Active directory
3.	Scalable Architecture	Supports different data sizes.	IBM Cloud
4.	Availability	Multiple reports are viewed irrespective of platform and device specifications	IBM Cognos
5.	Performance	withstand large amounts of data and process it without crashing.	IBM Cognos analytics with Watson