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

Date	15th September 2022
Team ID	PNT2022TMID39745
Project Name	Analytics for Hospital Health-Care Data

TECHNICAL ARCHITECTURE

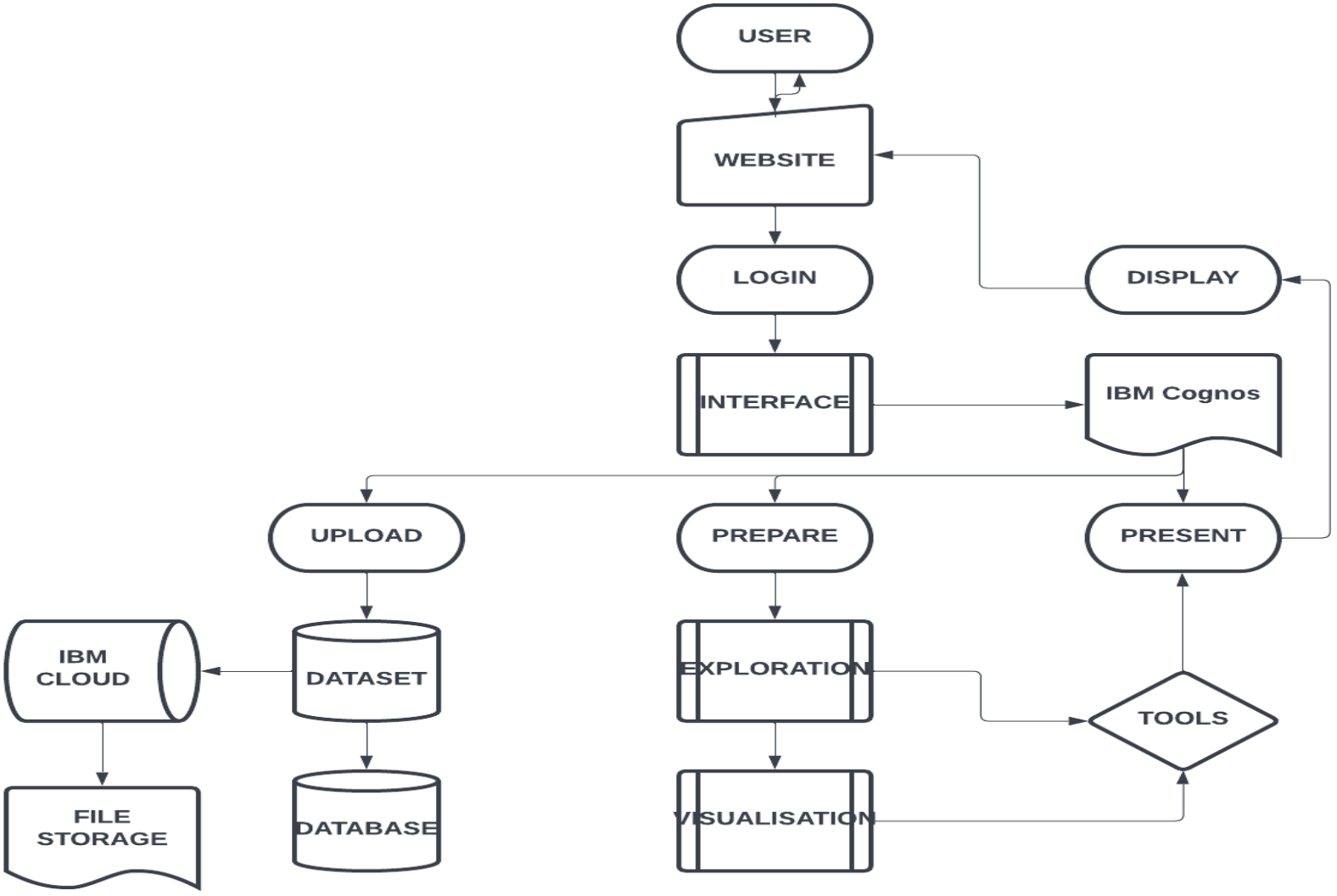

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How the user interacts with the interface e.g. Web UI, etc.	HTML, CSS, JavaScript / Angular Js /React Js etc.
2.	Dashboard Logic-1	Logic for a process in the dashboard	IBM Cognos Analytics
3.	Dashboard Logic-2	Logic for a process in the dashboard	MS Excel
4.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
5.	Cloud Database	Database Service on Cloud	IBM Cloud
6.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
7.	Uploading and Presentation	Using Exploration and Visualization	IBM Cognos Analytics

Table-2: Dashboard Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Dashboard Frameworks, simply is the eye of business, an indicator of it. It explains the flaw sideand perfection part in the form of charts, graphs and many more.	IBM Cognos or Tipboard
2.	Scalable Architecture	A scalable architecture for dashboard refers to a system, network, or process that is designed to handle a workload that may change in scope.	IBM Cognos or Kubernetes
3.	Availability	The dashboard can available to meet user's demand in timely manner and it is also helps toprovide necessary information to the user's dataset.	IBM Cognos
4.	Performance	This dashboard can scan the backend users and analyzing the frequency in which they visit the dashboard helps understand how useful and helpful the data displayed is for tasks.	IBM Cognos