

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

Date	03 October 2022
Team ID	PNT2022TMID27582
Project Name	Project - Global Sales Data Analytics
Maximum Marks	4 Marks

Technical Architecture:

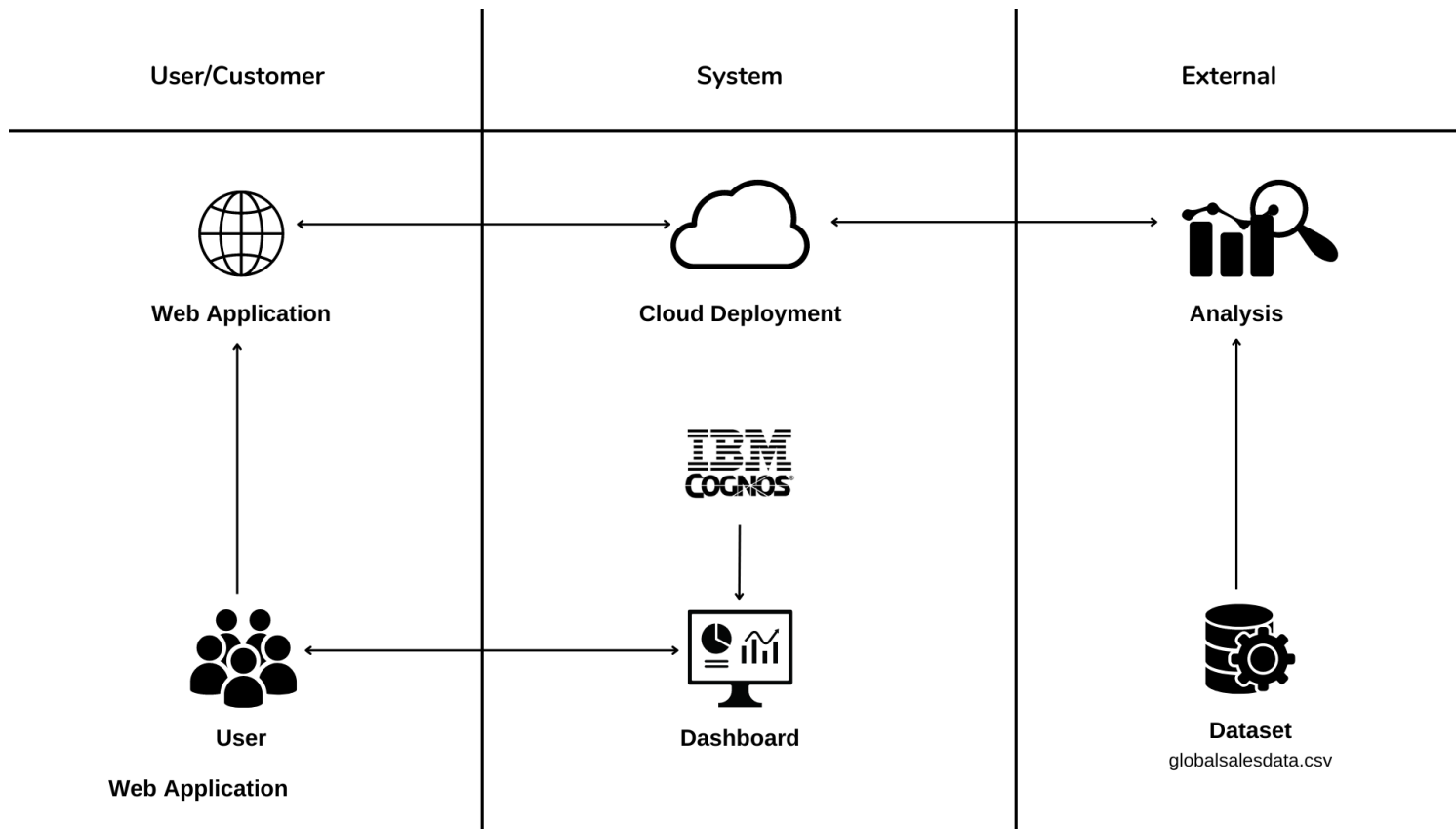


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI.	Bootstrap, CSS
2.	Application Logic-1	Creating a Dashboard	IBM Cognos
3.	Application Logic-2	Embedding the dashboard to a webpage	IBM Cognos - HTML CSS
3.	Data	CSV file for the dataset	Data module is established with IBM Cognos.
4.	Infrastructure (Server / Cloud)	Website deployment in the cloud.	Deployment - GitHub Pages
5	APIs	To get the fonts of the UI	Google Fonts

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Bootstrap	Technology of Open Source framework
2.	Security Implementations	Currently operates on HTTPS	Standard Security Protocols
3.	Scalable Architecture	Scalability of Dashboard	IBM Cognos
4.	Availability	Justify the availability of applications (e.g. use of load balancers, distributed servers etc.)	Available in one data center of IBM.
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Cache of stylesheet linked. (CSS)