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

Date	06 May 2023
Team ID	PNT2022TMID-NM2023TMID00279
Project Name	Project - ODIR: Seeing the Big Picture for Eye Health

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Example: Order processing during pandemics for offline mode

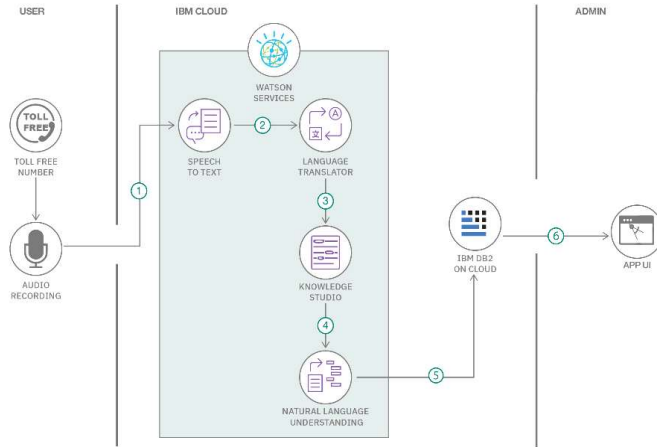**Reference: https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/**

Table-1 : Components & Technologies:

S.No	Component	Description	Te
☐	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HT Re
☐	Application Logic-1	Logic for a process in the application	Jav
☐	Application Logic-2	Logic for a process in the application	IBN
☐	Application Logic-3	Logic for a process in the application	IBN

	Database	Data Type, Configurations etc.	My
☐	Cloud Database	Database Service on Cloud	IBM
☐	File Storage	File storage requirements	IBM Se
☐	External API-1	Purpose of External API used in the application	IBM
☐	External API-2	Purpose of External API used in the application	Aa
☐	Machine Learning Model	Purpose of Machine Learning Model	Ob
☐	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Lo

Table-2: Application Characteristics:

S.No	Characteristics	Description	Tec
☐	Open-Source Frameworks	List the open-source frameworks used	Tec
☐	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. Cor
☐	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Tec
☐	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Tec
☐	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Tec

References:

https://c4model.com/

https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/

https://www.ibm.com/cloud/architecture

https://aws.amazon.com/architecture

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d