

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

Date	03 October 2022
Team ID	PNT2022TMID21391
Project Name	Personal assistance for seniors who are self-reliant
Maximum Marks	4 Marks

Technical Architecture:

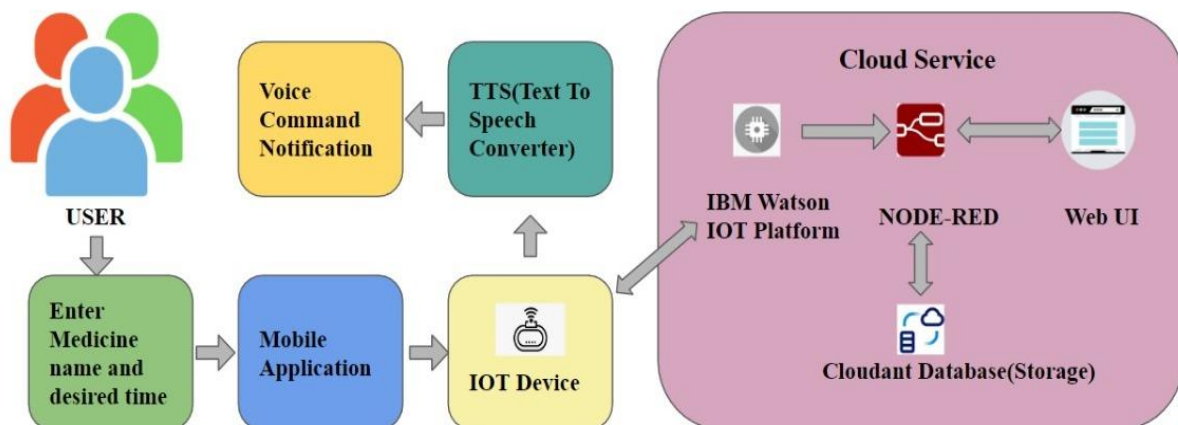


Table-1 : Components & Technologies:

S. No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson TTS service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Scalable Architecture	Can be used at <ul style="list-style-type: none"> ➤ Hospitals ➤ Old age Homes ➤ In working people homes where it will be used for elders 	IOT(Internet Of Things)
2.	Availability	To remind to take medicine with uninterrupted services, we have to implemented in distributed service	IBM Cloud
3.	Performance	If it was implemented, it is given with medicine name and desired time	IBM Cloud DB,RTC DS1307 Module