PROJECT DESIGN PHASE-II

TECHNOLOGY STACK (ARCHITECTURE & STACK)

Date	14 November 2022
Team ID	PNT2022TMID48126
Team Leader	A.Srinidhi
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Project Name	Skill and Job Recommender
Maximum Marks	4 Marks

Technical Architecture:

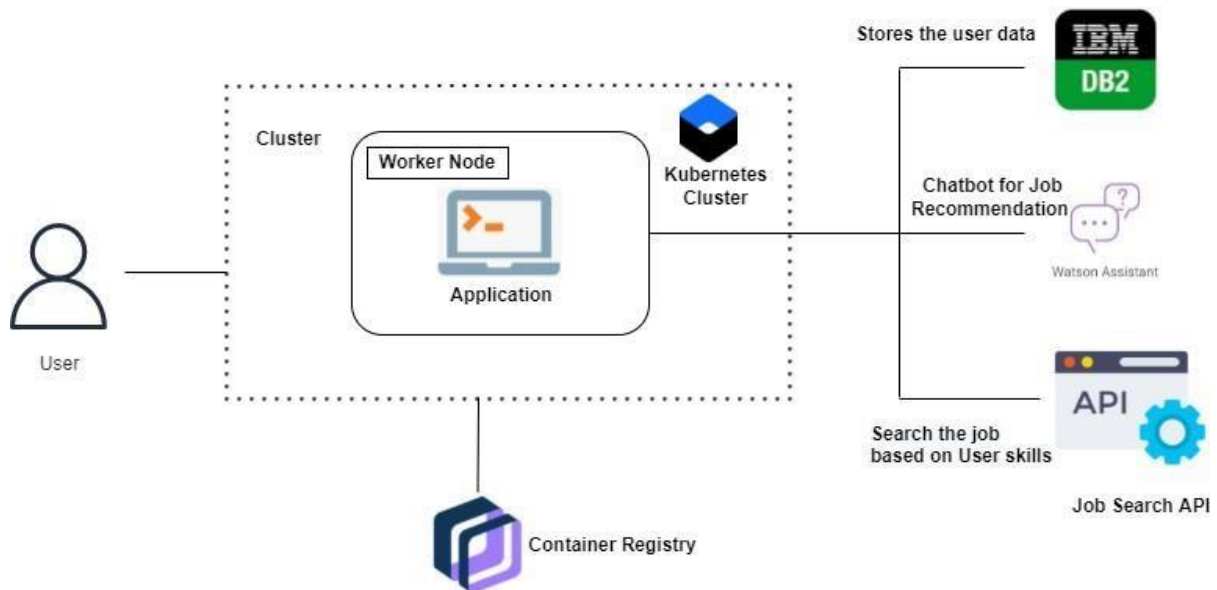The Deliverable shall include the architectural diagram as below and the information as per the table1 & table2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interacts with our application with the help of chatbot, Web UI etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	By registering in the web app, the User can login with application.	Javascript
3.	Application Logic-2	Users can also register with the help of chatbot.	IBM Watson Assistant
4.	Cloud Database	The user data will be stored and retrieved with the help of this database.	IBM DB2, IBM Cloudant etc.
5.	File Storage	The user documents like photos, resumes and much more will be stored in cloud bucket, etc.,	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API	With the help of API, the user can search the job based on their Skillset.	IBM API, etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description
1. Scalability	Is it Scalable?	It follows highly scalable technologies that allows application to handle increase in large user data's, workload and perform any operation without any problem.
2. Availability	Is it Modify able?	It is highly Modify able and Maintenance requires low cost,compared to other application.
3. Robustness	Is the System Robust?	It does not disturb the performance of the computer by not affecting the operating system. It works in minimal hardware systems.