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

Date	03 October 2022
Team ID	PNT2022TMID37124
Project Name	Project - Customer Care Registry
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
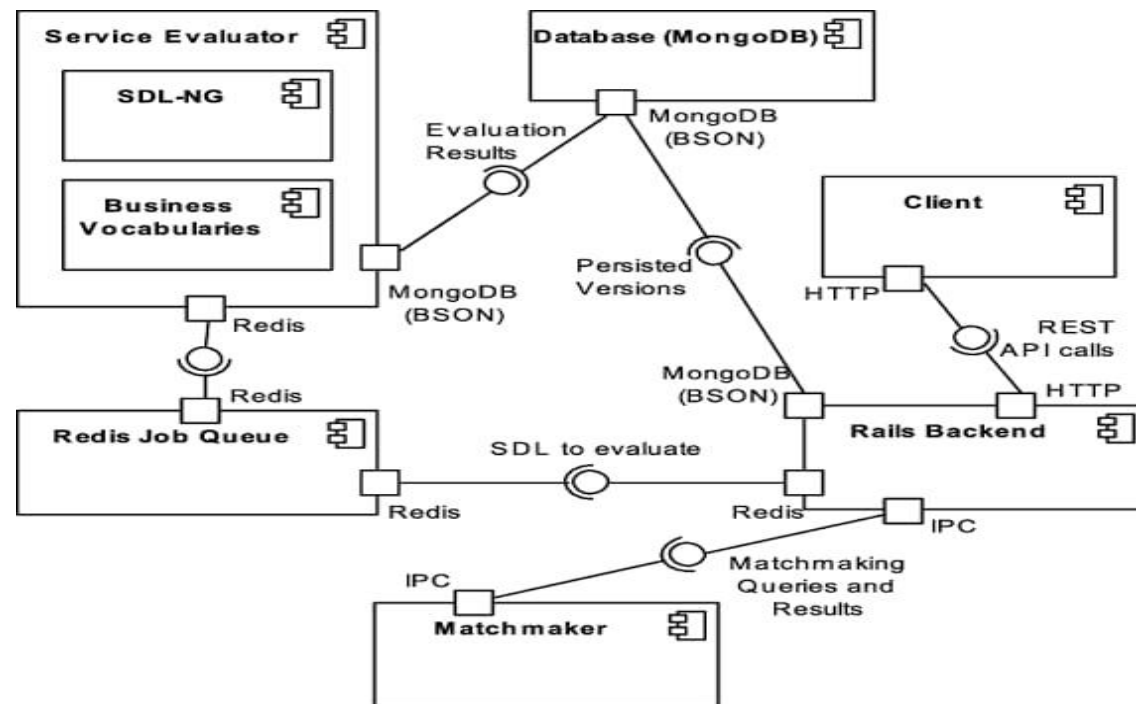
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Similarly Like Chatbot,Web UI and etc…	HTML, CSS, JavaScript ,Json,Jquery
2.	Application Logic-1	It helps to perform the Entire Functions and Tasks in the Application.	Python
3.	Application Logic-2	Providing the Virtual Assistant for Customer Queries	IBM Watson Assistant
4.	Database	Data from config. json is used to configure virtual machine. After that JSON syntax is valid.	JSON
5.	Cloud Database	Database Service on Cloud	IBM DB2
6.	File Storage	File storage requirements	IBM Block Storage and Object Storage
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration:Local Server Cloud Server Configuration : Online Server	Docker and Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask-Python Framework	Flask -Python
2.	Security Implementations	Digital Certificate SSL Secuirty	IBM Cloud and IBM DB2
3.	Scalable Architecture	Sendgrid API and Json Server	IBM Object Storage
4.	Availability	Large Number of Customer Utilize	IBM Kubernates
5.	Performance	Fast Recovering Data From IBM DB2 and flexible request and response from Cloud	IBM Cloud