Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	28 October 2022
Team ID	PNT2022TMID29840
Project Name	Skill/Job Recommender Application
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	1) Request username and password from user (along with their personal information you may need) 2) Verify email id and mobile number by confirming via OTP 3) Create a new user store user details in IBM DB2
FR-2	User Login	1) Manage the connection between the user and websites server 2) Verify uses identify identities such as username and password 3) Approve the authentication so the system can move to authorizing the user
FR-3	Get Job Recommendation through search API	We can use your job search API to get the current job opening in the market which will fetch the directly from the web page
FR-4	Job Alerts	Various modules triggers job alert. A notification is sent to the user whenever there is a job opening based on the user's skillset.
FR-5	ChatBot to solve user query	A chatbot can help answer FAQ's about applying, benefits or next steps in the application process.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	In case of job recommender application, Usability refers to the quality of a user's experience when interacting with the web UI .Usability is about effectiveness, efficiency and the overall satisfaction of the user. Usability describes the level of ease with which a system allows a user to get to that goal

NFR-2	Security	Authentication:
		    Authentication is the act of determining the identity of a user. For example, User id and Password, Biometric Identification.
		Authorization:
		    Authorization is the act of determining the level of access that an authorized user has to behaviour and data (use of firewalls).

NFR-3	Reliability	Application reliability in Job Recommender System is the probability of a piece of software operating without failure while in a specified environment over a set duration of time. In a perfect world, a reliable piece of software is completely defect free, does not create downtime, and performs correctly in every scenario.
NFR-4	Performance	In Job Recommender Application performance indicates how the app is functioning and how responsive the app is to the end-user. There are tools available to measure Application Performance and enable app developers to detect and diagnose complex application performance problems to maintain the expected level of service to end-users.
NFR-5	Availability	High availability systems are important in many industries because they help ensure systems function correctly for a continuous period. Technology and networks occasionally fail, such as when there's a power outage or a server error. In some industries, it's essential that the network remains functional at all times.
NFR-6	Scalability	Databases are usually large and complex to start with. Synchronizing multiple databases in a distributed environment multiplies the challenge. Designing a scalable distributed database requires focus from your development team and is a foundational element for everything else you will do on the path to creating a scalable application.