

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

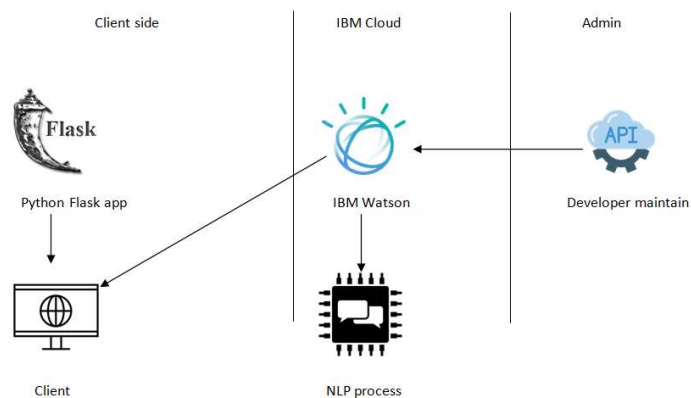
Date	03October 2022
Team ID	PNT2022TMID38674
Project Name	AI based discourse for banking industry
Maximum Marks	4 Marks

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://novagenio.medium.com/watson-assistant-with-python-flask-chatbots-translation-ibm-options-fd4885ee4bb8>



Guidelines:

1. If a customer asked queries after the data to go ibm Watson.
2. After the data will be process to machine understandable form then decision making process to fetch the answer from database.
3. The data will display on through the access medium for client.
4. The flask can be control for the webpage.

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS,
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson Assistant
4.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Technology used
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Technology used
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Technology used

References:

<https://novagenio.medium.com/watson-assistant-with-python-flask-chatbots-translation-ibm-options-fd4885ee4bb8>