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

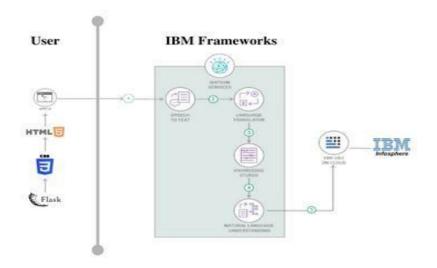
Date	14 October 2022	
Team ID	PNT2022TMID47112	
Project Name	Project - Personal Expense Tracker	
Maximum Marks	4 Marks	

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table 1 & table 2

Example: Order processing during pandemics for offline mode

Reference: https://developer.ibm.com/patterns/ai-powered-backend-system-for-order-processing-during-pandemics/



Guidelines:

- 1. Include all the processes (As an application logic / Technology Block)
- 2. Provide infrastructural demarcation (Local / Cloud)
- 3. Indicate external interfaces (third party API's etc.)
- 4. Indicate Data Storage components / services
- 5. Indicate interface to machine learning models (if applicable)

Table-1: Components & Technologies:

S.No	Component	Description	Technology

gular Js /
julai 55 /
Web UI
nk
n
Storage
netes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	IBM Open-Source and other options available	Technology of Open-source 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	Data-driven vertical architecture	Technology related to scalability technique
4.	Availability	Maintaining the availability of application by using distributed servers and high performance IBM frameworks	Distributed server and IBM Frameworks
5.	Performance	Increasing the UI performance and customer satisfaction with latest technology and support	IBM Frameworks and Open-source support with trustable API

References:

https://c4model.com/

https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/

https://www.ibm.com/cloud/architecture https://aws.amazon.com/architecture

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d