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

Date	November 23, 2022
Project Name	Web Phishing Detection
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: Data processing and evaluation for web phishing detection

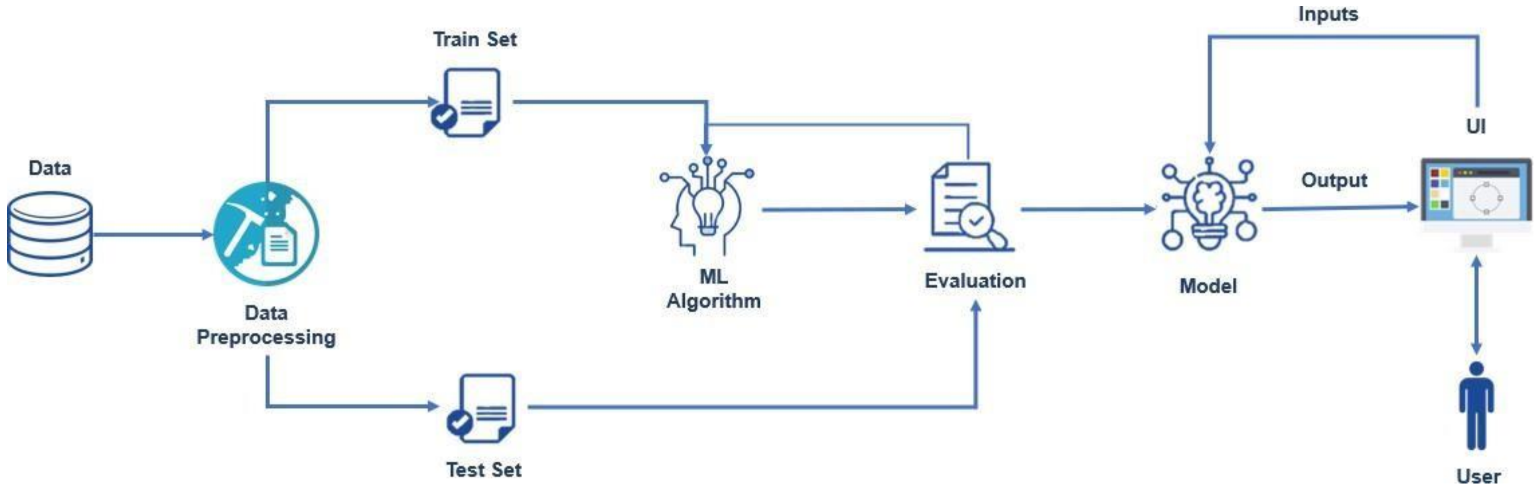

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chat-bot etc.	HTML, CSS, JavaScript.
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 STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, No SQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud-ant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local File system
8.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
9.	External API-2	Purpose of External API used in the application	Correct URL
10.	Machine Learning Model	Purpose of Machine Learning Model	URL Recognition Model
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Show how to use analytic and real-time website URL data to build a tool for phishing website prediction analysis.	Node RED
2.	Security Implementations	Advanced technique using a random forest andnaive based algorithm	Encryption

S.No	Characteristics	Description	Technology
3.	Scalable Architecture	For their safety, the user can visit the secure URL.	Automated Bootstrapping
4.	Availability	Increase the availability	Cloud computing
5.	Performance	High Performance	Adaptive contention window