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

Date	13 October 2022
Team ID	PNT2022TMID52526
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

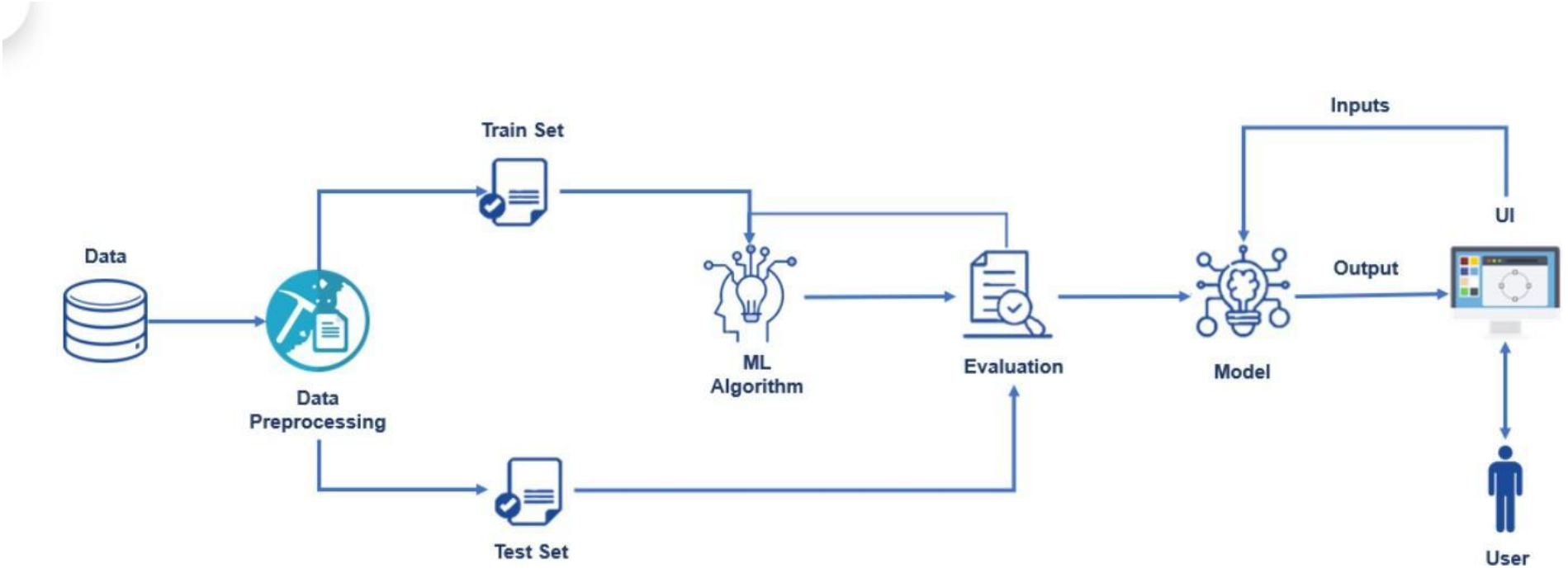

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web URL	HTML, CSS, JavaScript
2.	Application Logic-1	Building a decision tree on the basis of the criteria	Python & ML
3.	Application Logic-2	Analyse the data statistics	Python & ML
4.	Application Logic-3	Specifying the model and train the model	Python & ML
5.	Application Logic-4	Logic for a process in the application	IBM Watson Assistant
6.	Database	Data Type, Configurations etc.	MySQL.
4.	Cloud Database	Database Service on Cloud	IBM Cloud
5.	File Storage	File storage requirements	IBM Block Storage
6.	External API-1	Purpose of External API used in the application	IBM API, etc.
7.	External API-2	Purpose of External API used in the application	Aadhar API, etc.
8.	Machine Learning Model	To detect the phishing website	CSV file
9.	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	An open source framework is a template for software development that is designed by a social network of software developers. These frameworks are free for public use and provide the foundation for building a software application.	Jupyter Notebook
2.	Security Implementations	Security tools to implement security services	cloud-based secure proxy,remote
3.	Scalable Architecture	Handle growing amount of work by adding resources to the system	jQuery ,Cloudfare
4.	Availability	Availability of NLP,spam detection,Black & White listing,Reporting	Technology used
5.	Performance	To deploy and test with multiple algorithm to introduce more accuracy and results	Technology used