

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

Date	03 October 2022
Team ID	PNT2022TMID32382
Project Name	Project – 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

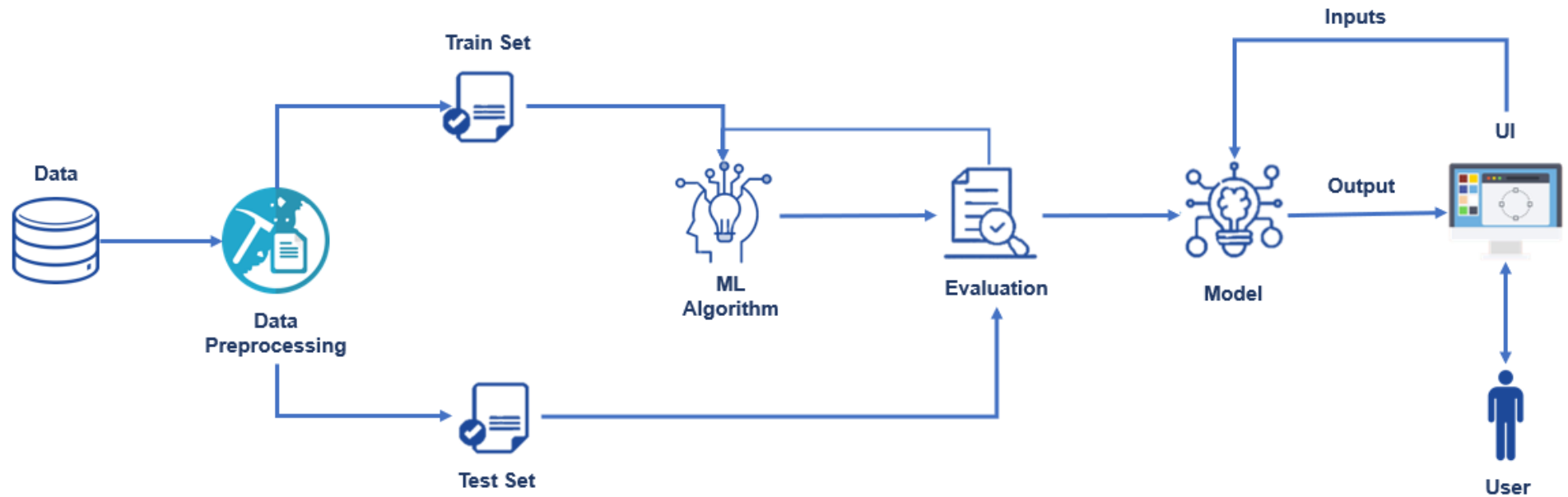


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	URL Input	HTML, CSS, JavaScript
2.	ApplicaApplication1	Checking phishing website or not	Gmail API
3.	Application Logic-2	Logic for a process in the application	IBM Watson Assistant
4.	File Storage	Stores user input URLs in database	MongoDB
5.	Machine Learning Model	Machine learning model is trained to dataset the phishing link using UML algrithms	Logistic regression, XGboost, support vector machine, random forest,etc..
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System	Local server configuration: local Cloud server configuration:IBM cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Open-source phishing framework that makes it easy to test your organization exposure to phishing	Phishtank, checkphish,etc
2.	Security Implementations	It is the security discipline that makes it possible for right entries to use the right resources without interface	OWASP, Encryption, password protection
3.	Scalable Architecture	The accuracy and responsive UI	Bootstrap
4.	Availability	Spam detection ,blacklisting or reporting	Ghost phisher
5.	Performance	Deployed and tested with multiple algorithms and this system gives greatest accuracy better performance	XGboost