

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

Date	03 October 2022
Team ID	PNT2022TMID10135
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

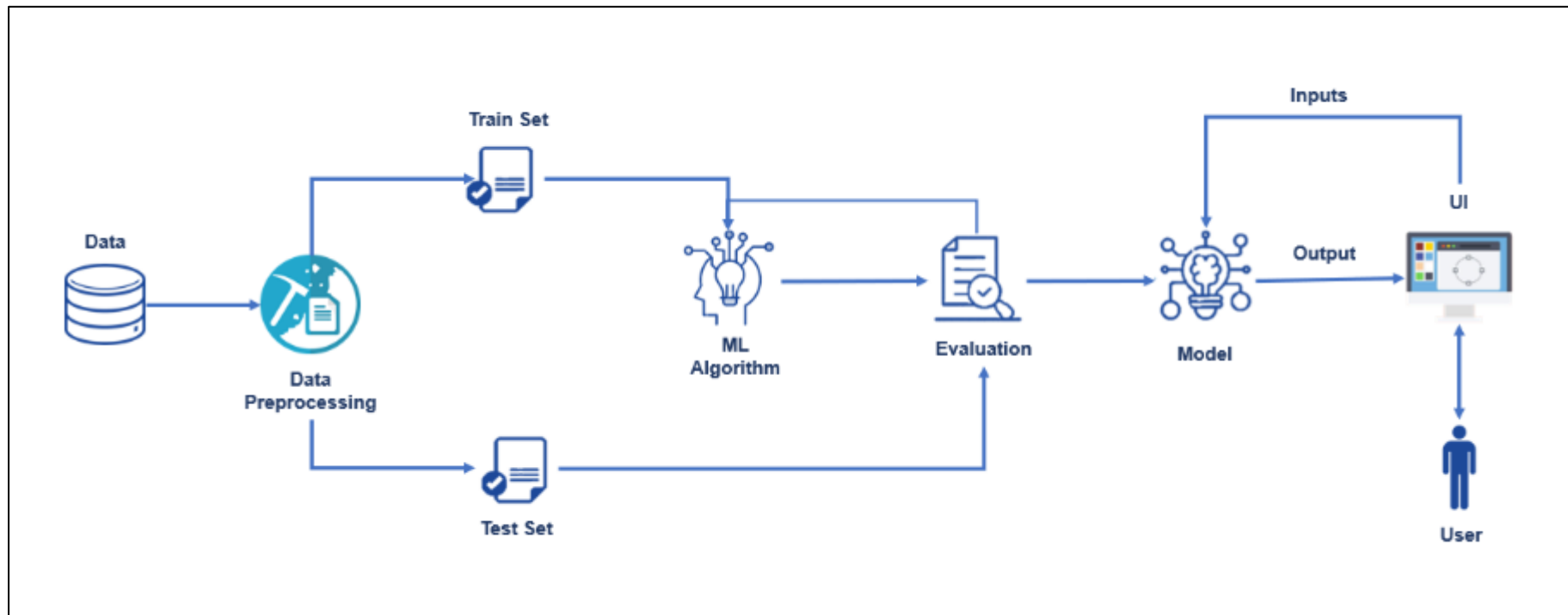


Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML and CSS
2.	Application Logic	Logic for a process in the application	Python
3.	File Storage	File storage requirements	Local Filesystem
4.	Machine Learning Model	Purpose of Machine Learning Model	URL detection classification Model.
5.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, IBM cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	OSINT framework
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	OWSAP top10, SIEM
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	HTTP overview implementation
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Round robin load balancing
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Secure cookie implementation