

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

Date	16 October 2022
Team ID	PNT2022TMID44601
Project Name	Project – WEB PHISHING DETECTION
Maximum Marks	4 Marks

Technical Architecture:

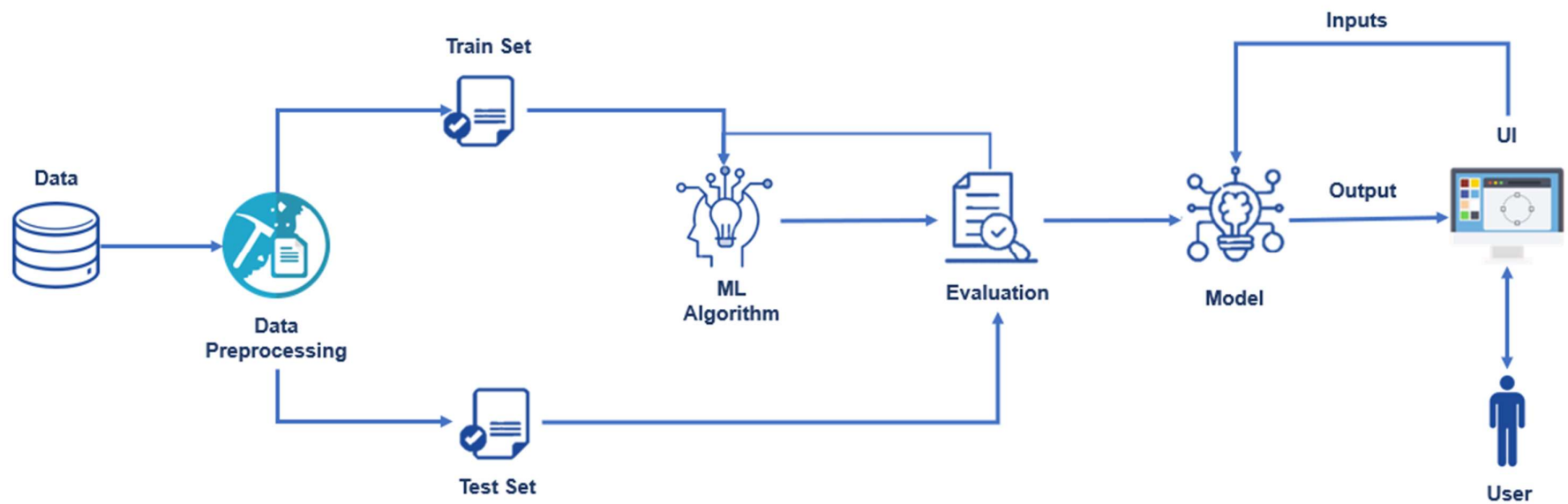


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mobile application	HTML, CSS, JavaScript ,Python.
2.	Application Logic-1	Data pre-processing	Python.
3.	Application Logic-2	Model creating.	Keras, numpy, pandas.
4.	Application Logic-3	Web application(UI)	IBM Watson Assistant
5.	Database	data	MySQL, NoSQL, etc.
6.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
7.	External API	Purpose of External API used in the application	Data processing API.
8.	Machine Learning Model	Binary, multiclass, regression classification.	Object Recognition Model.
9.	Infrastructure (Server / Cloud)	Application Deployment on web server.	Flask – python HTTP server.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Technology of Opensource framework
2.	Security Implementations	Secure flag for cookies.	Flask WTF Session_cookie_secure.
3.	Scalable Architecture	Micro-services	Micro web applications.
4.	Availability	Integrated supporting for unit testing.	SQL, Sinatra ruby, framework, jinja 2
5.	Performance	HTTP request handling High flexibility.	SQL, Sinatra ruby, framework, jinja 2.

