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

Date	03October 2022
Team ID	PNT2022TMID48632
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

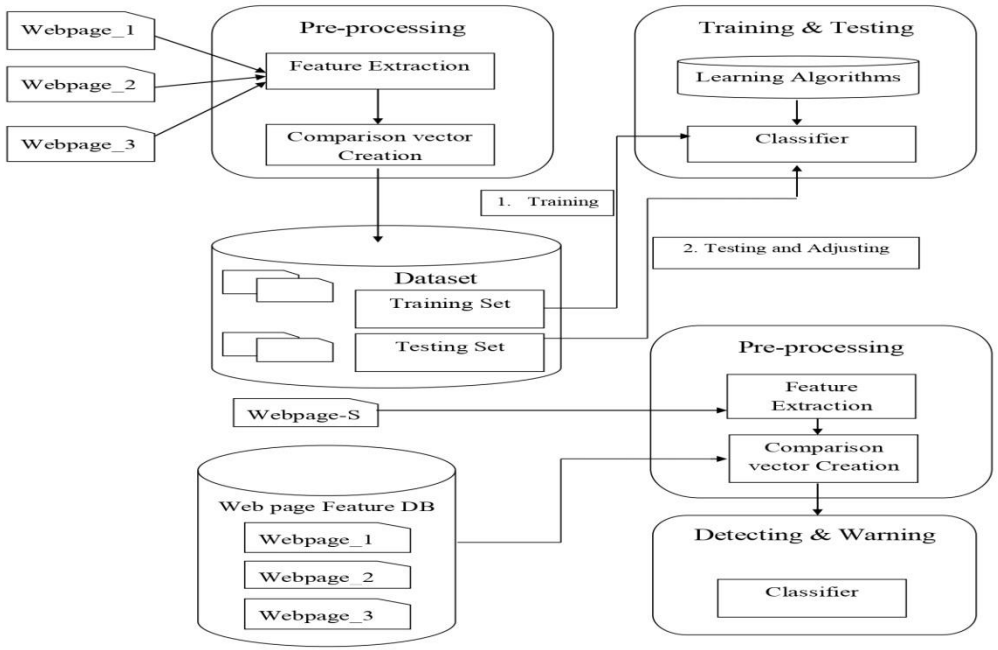

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Application Logic	Logic for a process in the application	Flask (Python)
3.	Database	Data Type, Configurations etc.	MySQL
4.	Cloud Database	Database Service on Cloud	IBM Watson.
5.	File Storage	File storage requirements	IBM Block Storage ,MongoDB
6.	Machine Learning Model	Purpose of Machine Learning Model	Decision tree algorithm
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	The package Sckit Learn in Python is used to handle Machine Learning Algorithms	Machine Learning
2.	Security Implementations	Typosquatting, Cybersquatting	Cyber security
3.	Scalable Architecture	The system will be able to detect maximum of the recently updated phishing websites and is highly scalable to use.	Technology used
4.	Availability	The system is always available whenever it is required to be executed by balancing the load traffic among the servers.	IBM Cloud Load Balancers
5.	Performance	The system would have efficiency and good accuracy rate in detecting the phishing websites.	Machine Learning algorithm(Decision tree algorithm)