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

Date	03 October 2022
Team ID	PNT2022TMID00904
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

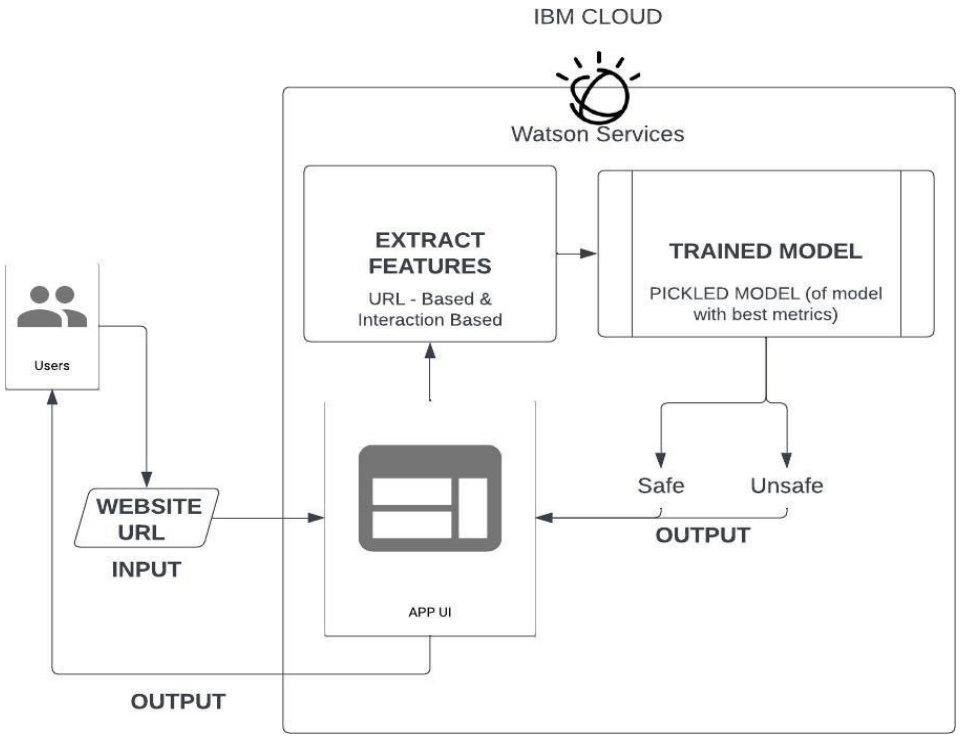

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user is interacting with application using the web UI	HTML, CSS
2.	Application Logic-1	User Authentication Page	Python
3.	Application Logic-2	Phishing detection using Machine Learning	Python
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL
6.	Cloud Database	Database Service on Cloud	IBM DB2
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	In order to train the model we can use of Machine Learning Service	Machine Learning Service
9.	Machine Learning Model	Machine Learning Model for Web Phishing Detection	Logistic Regression Model
10.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is a Web Development Framework	Framework
2.	Security Implementations	Security information controls the user Privacy	------
3.	Scalable Architecture	Cloud can be used to deploy so that many number of users can be supported	IBM Watson
4.	Availability	It can balance the load traffic among the servers to help improve uptime	IBM Cloud Load balancers
5.	Performance	Machine learning classifier model is used for the effective performance and accurate result to protect user credential	Logistic Regression Model and KNN Model