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

Date	03 October 2022
Team ID	PNT2022TMID16875
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

Technical Architecture:

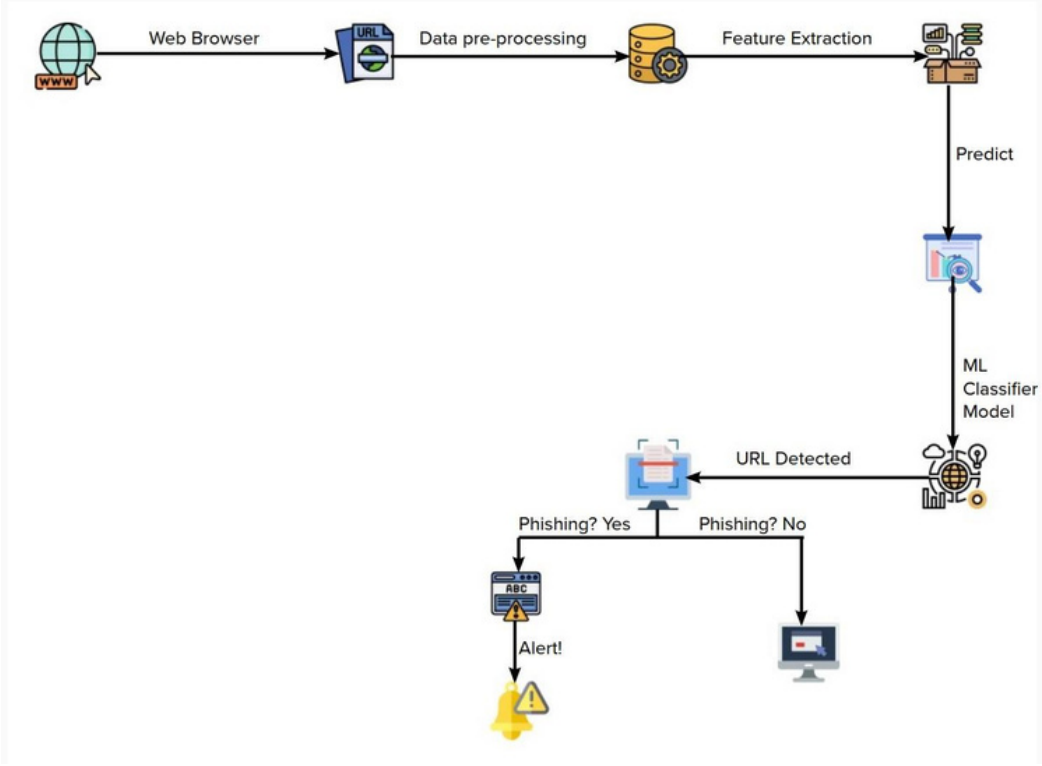

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User interface	The user is interacting with application using the web UI	HTML, CSS
2.	Application Logic-1	Logic for the process is using python for the the Flask script of Flask	API, Python
3.	Application Logic-2	Logic for the process is interacting with the admin Gmail by using contact form in website	
4.	Application Logic-3	To Deploy the model on the IBM cloud IBM Watson Studio	
5.	Cloud Database	The IBM cloud object storage service is used to store the dataset on the cloud.	IBM Cloud Storage Service
6.	External API-1 External API-2	IBM Watson Studio is used to run the jupyter notebook In order to train the model we can use of Machine Learning Service	IBM Watson Studio Machine Learning Service
7.	Machine Learning Model	Machine Learning Model is using in order to predict the website	Logistic Regression Model
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	IBM Cloud
9.			

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Jupyter notebook is web-based open source Python, software which is used for creating and sharing documents, containing live code.	Jupyter
2.	Security Implementations	Security information controls the user privacy No user requirement	
3.	Scalable Architecture	Cloud can be used to deploy so that many number of users can be supported	IBM Watson
4.	Availability	Website is providing spam detection technique and admin support for the user	ML Model, Gmail API
5.	Performance	Machine learning classifier model is used for the effective performance and accurate result to Model protect user credential	Logistic Regression Model and KNN