Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	19 October 2022
Team ID	PNT2022TMID27711
Project Name	Web Phishing Detection
Maximum Mark	4 Marks

Technical Architecture:

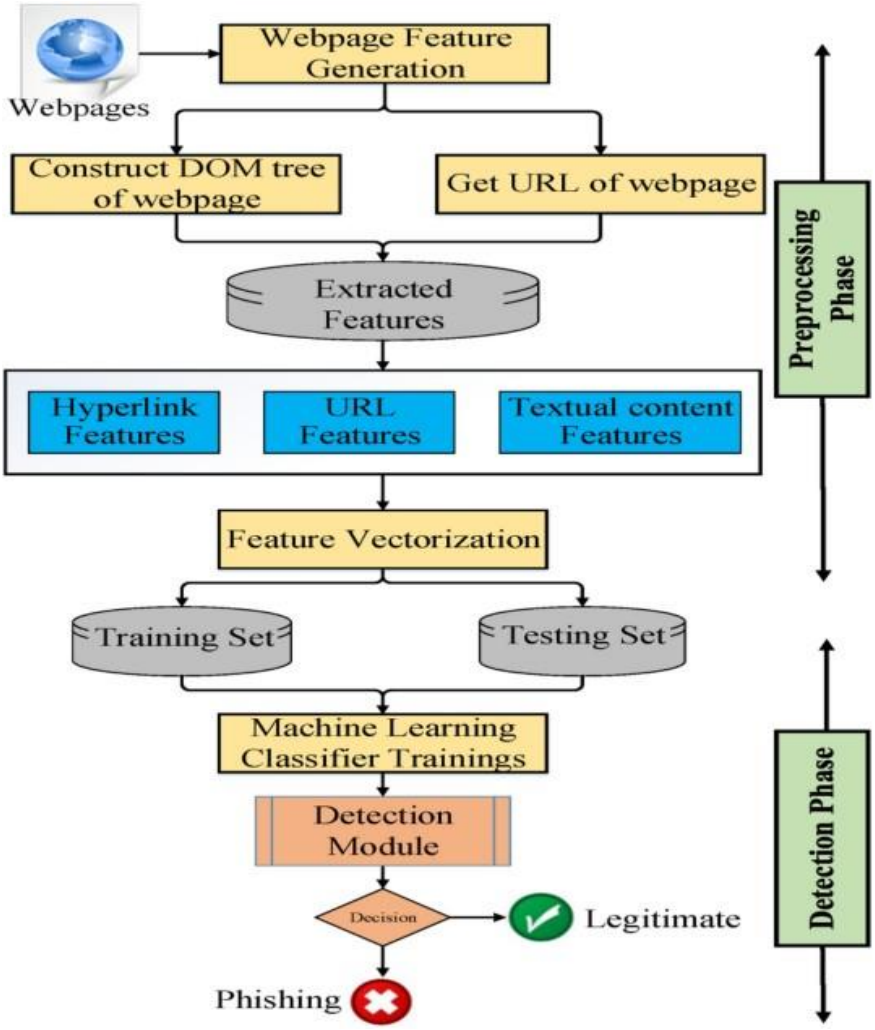

TABLE - 1: Components & Technologies:

S No	Component	Description	Technology
1.	User Interface	The User can interact with application using the web UI	HTML, Flask
2.	Application Logic-1	Logic for the process is using python by Python Flask	Python, Flask Framework
3.	Application Logic-2	Logic for the process is interacting with the admin by using contact form in website	Gmail, IBM Watson STT Studio
4.	Application Logic-3	To deploy the model on the IBM cloud	IBM Watson Studio, IBM Watson assistant
5.	Cloud Databases	The IBM Cloud object storage services is used to store the dataset on the cloud	IBM DB2, IBM Cloud service
6.	External API-1	IBM Cloud is used to run the Google Collab or Jupyter Notebook	IBM Watson Studio
7.	External API-2	In order to train the model, we can use ofMachine Learning Service	Machine Learning Service
8.	Machine Learning Model	Machine Learning Model is using in order to predict the website	Logistic Regression Model
9.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	IBM Cloud

TABLE - 2: Application Characteristics:

S No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Jupyter notebook is web-based open-source software which is used for creating and sharing documents, containing live code.	Python, Jupyter notebook
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