Project Design Phase-II

Technology Stack

(Architecture & Stack)

TITLE:	**WEB PHISHING DETECTION**
TEAM ID:	**PNT2022TMID42144**
COLLEGE NAME:	**AVS COLLEGE OF TECHNOLOGY**

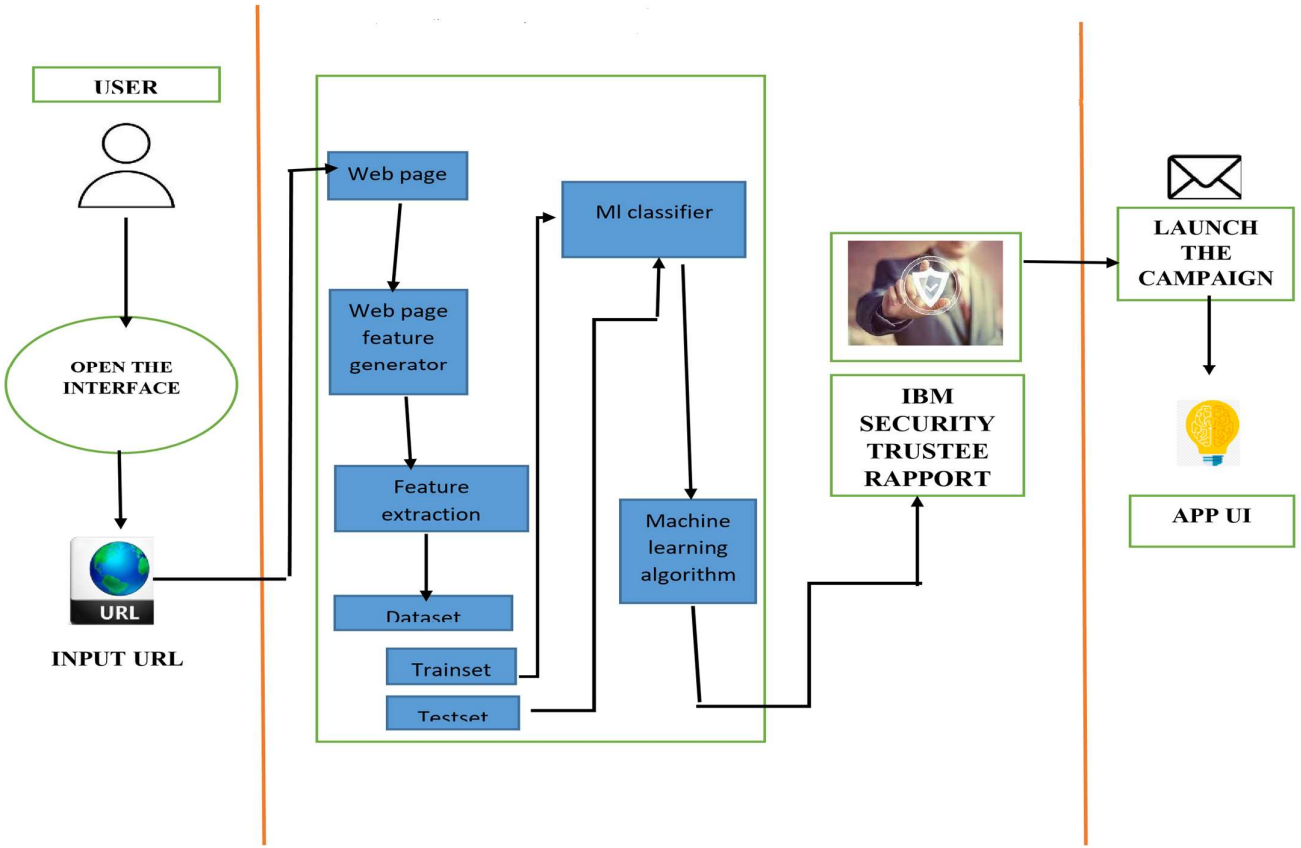

Table-1 : Components & Technologies:

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-1	Logic for a process in the application	Python.
3.	Application Logic-2	Logic for a process in the application	IBM Watson service.
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	Amazon web service.
7.	File Storage	File storage requirements	Provide cloud storage, provider such as Aws & Microsoft Asure.
8.	External API-1	Purpose of External API used in the application	IBM (Fast)API, etc.
9.	External API-2	Purpose of External API used in the application	Nil.
10.	Machine Learning Model	Purpose of Machine Learning Model	analyze various blacklisted and legitimate URLs
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Amazon EC2, AWS Elastic Beans stalk, AWS Lamda.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used in the project	Most of the Technology used in the projects are Gophish, Shiper phish.
2.	Security Implementations	security / access controls implemented, use of firewalls etc	Encryptions, proxy firewalls , OWASP etc.

3.	Scalable Architecture	Cloud infrastructure which can be used to provide services for more number of customers at any time.	IBM Watson cloud.
S.No	**Characteristics**	**Description**	**Technology**
4.	Availability	This application is an automated machine learning model with cloud technology hence it can be available all the time	IBM Watson cloud
5.	Performance	Machine learning classification model is used in this project the performance measures can be evaluated through various parameters like accuracy , number of request per second , accurate results etc.	Logistical regression model , DBM model , URL classifier.