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

Date	29 October 2022
Team ID	PNT2022TMID49434
Project Name	Project - Web Phishing Detection
Maximum Marks	4 Marks

Technical Architecture:

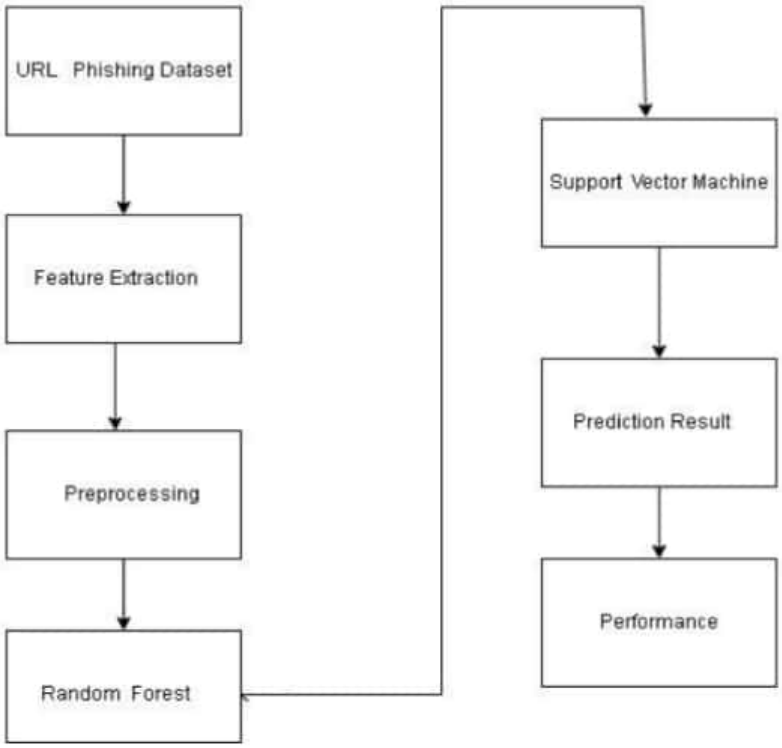

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson service
4.	Dataset	Description of data,Data PreProcessing	csv
5.	Cloud	Service on Cloud	IBM Cloud.
6.	External API-1	Purpose of External API used in the application	Python Flask API
7.	Machine Learning Model	Purpose of Machine Learning Model	Random Forest Classification.
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is an open source framework used to develop a web -UI and web server	Flask
2.	Security Implementations	Access to database system is managed by facilities that reside outside the database system(Authentication) whereas access within the database system is managed by the database manager(Authorisation).	IBM Services
3.	Scalable Architecture	Application related to python are scaled using Flask.	Flask, IBM Cloud Object Storage
4.	Availability	Since this is a web app ,the availability for all user ensures that they have internet access. Also the cloud storage we have is available easily from IBM.	Flask, IBM Cloud Object Storage
5.	Performance	The performance is based on the number of users registering for the application. The stable internet connection is needed to provide high performance for the users.	Flask, IBM Cloud Object Storage