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

Team ID	PNT2022TMID24896
Project Name	Project - Web Phishing
Maximum Marks	4 Marks

Technical Architecture:

A technical architecture diagram is a visual representation of all the elements that make up part, or all, of a system. It is a graphical representation of a set of concepts, that are part of an architecture, including their principles, elements and components.

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2.
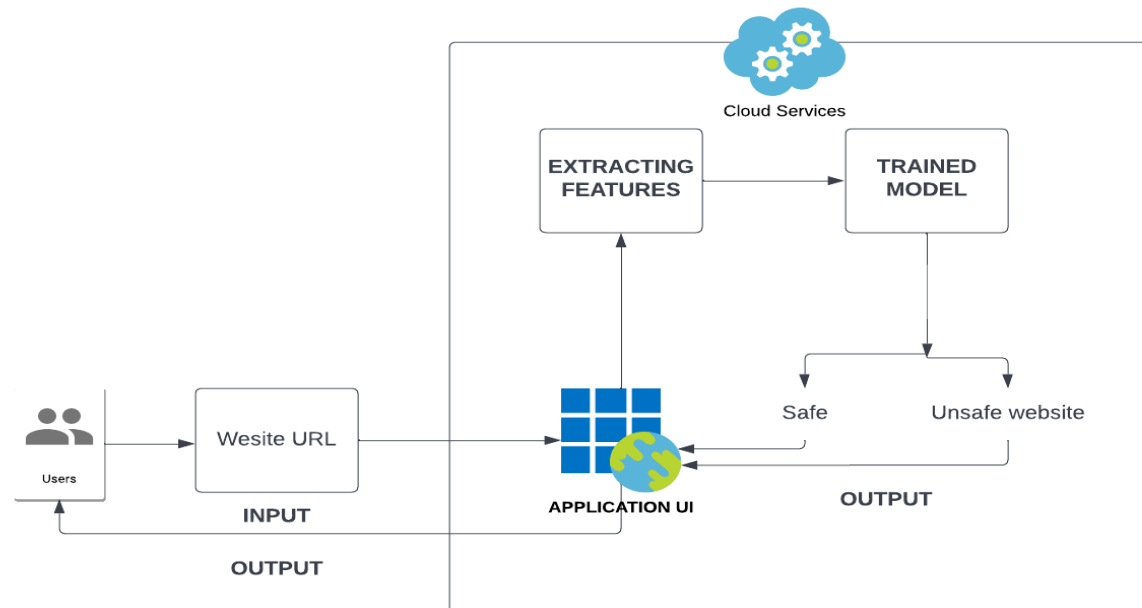
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interacts with application e.g.Web UI, App, Chatbot etc.	HTML, CSS, Python - Flask
2.	URL - Input	The website URL which the user wants to check whether it is legit or not	HTML, CSS, Python - Flask
3.	URL - Output	A prediction on whether the site is legit or not	HTML, CSS, Python - Flask
4.	APP UI	User interacts with application. Logic for a process in the application.	HTML, CSS, Python - Flask
5.	Feature Extraction	Extract the URL attributes, data type, Configurations, etc.	Python
6.	Trained Model	Best metrics, accuracy, classify whether legit or not.	Python, Jupyter Notebook
7.	Model Output	Classification whether it is legit or not	Python, Jupyter Notebook
8.	Infrastructure (Server / Cloud) - IBM	Application Deployment on Local System / Cloud Local Server Configuration Cloud Server Configuration	IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Scalable Architecture	Scalable to handle many users at a time and Multi-tier architecture - connected to IBM cloud	Python
2.	Security	Authorization, multi factor authentication, verification, integrity, authentication of result	IBM cloud services
3.	Availability	Valid and reliable availability to access the resources. Cloud load balancing and storage in DB.	IBM cloud services
4.	Performance	Scalable to accommodate users and quick response time	Cloud App services, security modules and virtual hardware resources