Project Design Phase-II

Technology Stack(Architecture & Stack)

Date	20 October 2022
Team ID	PNT2022TMID08066
Project Name	Web Phishing Detection
Maximum Marks	4Marks

Technical Architectue:

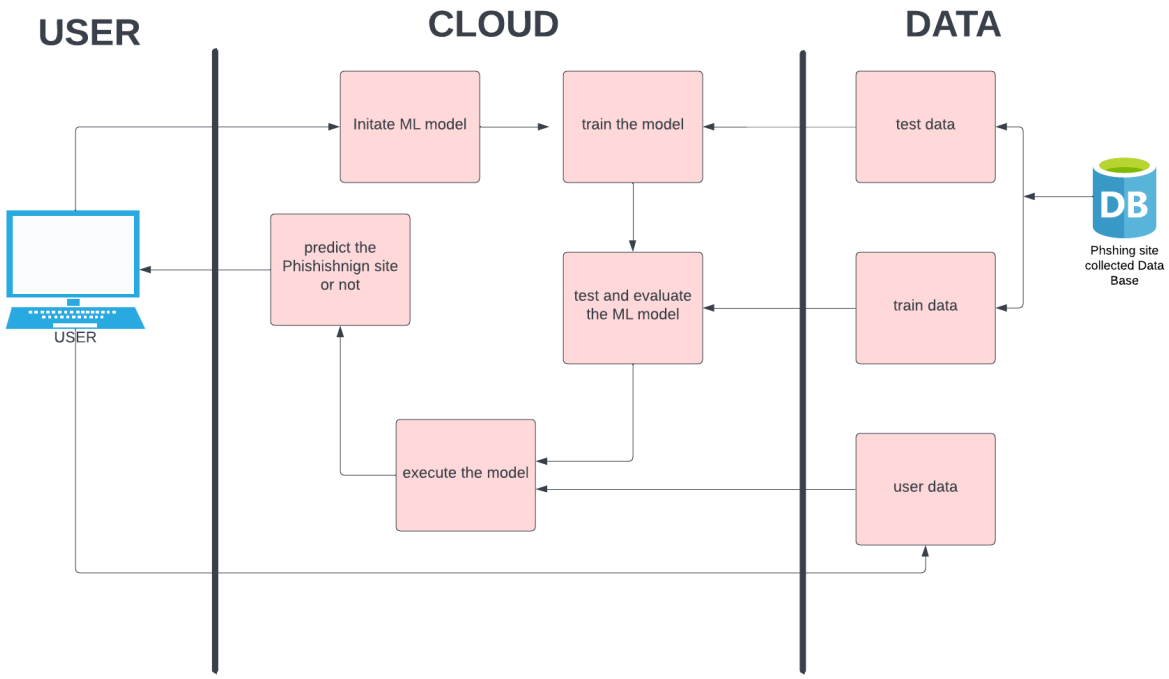

Table-1:Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Here the user interaction with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript
2.	Application Logic-1	To develop the code to run the device application	Python /Jupyter notebook
3.	Application Logic-2	To connect the end user application to cloud platform	IBM Watson STT service /Cloud service
4.	Application Logic-3	To build a connectivity model that generates user eligibility output	IBM Watson Assistant
5.	Database	User data values are stored and retrieved	MySQL, NoSQL, etc.
6.	Cloud Database	To store the data on the cloud database service as a backup.	IBM DB2
7.	External API-1	Predict based on the Url's Symbol,and spelling error	Phishing site Details API
8.	Machine Learning Model	Usage of machine learning model for Predict Web Phishing	Classification algorithm model Such as,Decision tree,Random forest,KNN and Ada boost Algorithm
9.	Infrastructure (Server / Cloud)	Application Deployment on Cloud.	IBM cloud

Table-2:Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Python Flask Open Source Framwork used	Python
2.	Scalable Architecture	Micro-services	IBM Watson
3.	Availability	The uptime of the web servers and dependentservers	IBM cloud
4.	Performance	The range of users can access the web application	IBM Watson