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

Date	28 October 2022
Team ID	PNT2022TMID07206
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

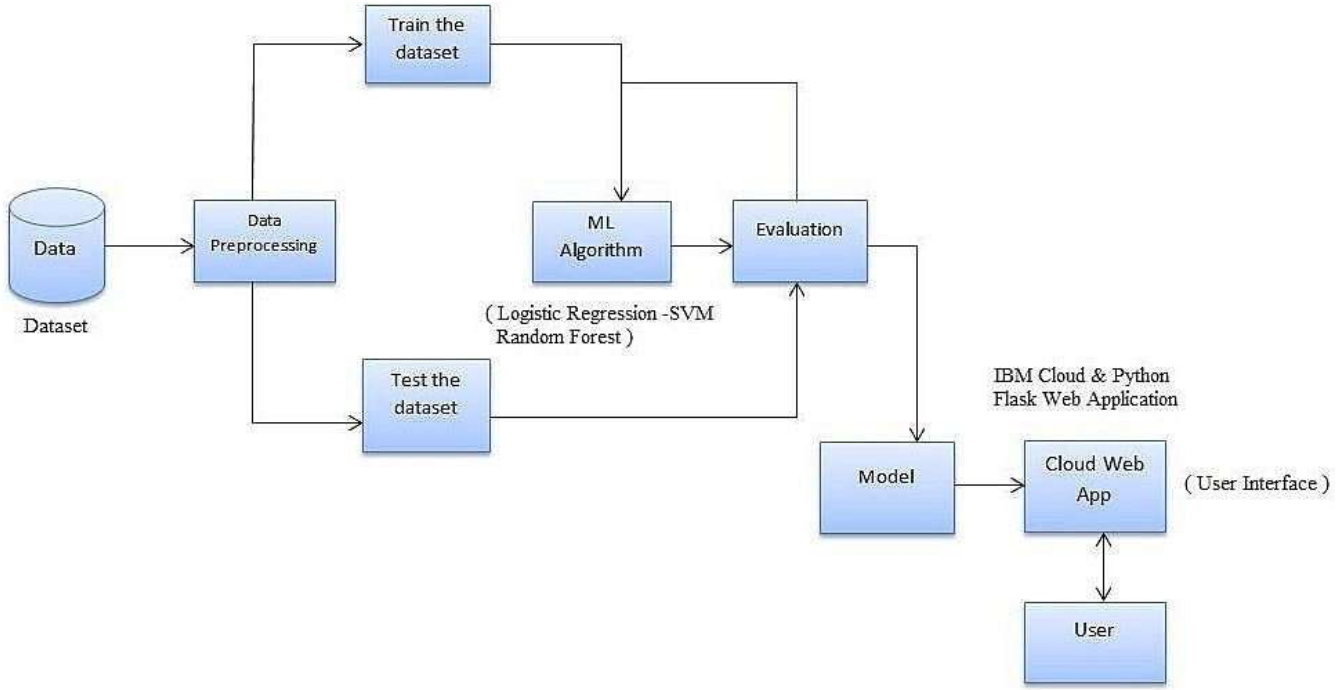

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web Application, Cloud UI	HTML, CSS, JavaScript /Angular Js / React Js etc.
2.	Application Logic-1	Machine Learning Algorithms such as Random forest, Decision Tree, LogisticRegression and SVM. Python Flask Application for Web App	Java / Python
3.	Application Logic-2	IBM Watson Speech to Text technology enables fast and accurate speech transcription in multiple languages for a variety of use cases, including but not limited to customer self -service, agent assistance and speech analytics.	IBM Watson STT service
4.	External API-1	IBM Watson Studio is used to run the junketeer notebook	IBM Watson Studio
5.	External API-2	In order to train the model we can use of Machine Learning Service	Machine Learning Service
6.	Application Logic-3	The IBM Watson Assistant service combines machine learning, natural language understanding, and an integrated dialog editor to create conversation flows between yourapps and your users.	IBM Watson Assistant
7.	Database	Stored Procedure (EXEC)	MySQL, NoSQL, etc.
8.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud ant etc.
9.	File Storage	File storage requirements	IBM Block Storage or OtherStorage Service or Local File system

10.	Machine Learning Model	Machine Learning Model is used in order to predict the website	Logistic Regression Model
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	IBM Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Go phish is a powerful, open-source phishing framework that makes it easyt o test your organization's exposure to phishing.	Machine Learning
2.	Security Implementations	In our prototype we use encryption techniques and security algorithms on webapplication	AES 256, Confines PDR
3.	Scalable Architecture	Scalability is high due to accuracy provided by the model and Responsive UI/UX	React Framework, jQuery,Bootstrap, Cloud flare
4.	Availability	Available at NLP, Spam Detection, Blacklisting or Reporting, and machinelearning techniques	Acuteness, Intruder, Ghost Phisher
5.	Performance	Deployed and tested with multiple algorithms and this system gives greateraccuracy and better performance than other.	Deep Learning