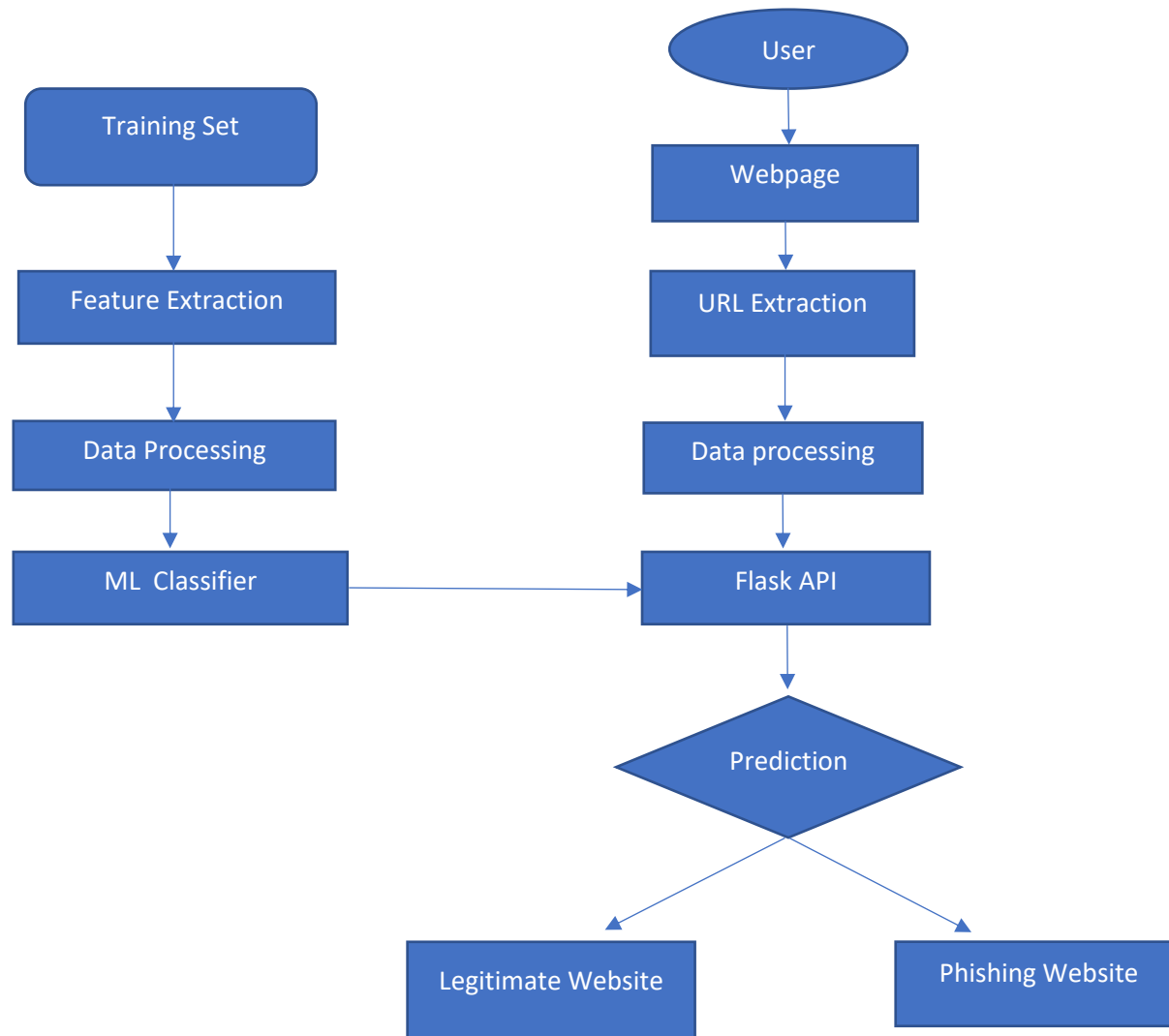


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	03 October 2022
Team ID	PNT2022TMID19533
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	Dynamic Web UI	HTML, CSS, Browser
2.	Application Logic-1	User Registration/Login	HTML, CSS,
3.	Application Logic-2	Web app that predicts if the link is a phishing site or not	HTML, CSS, Python - Flask
4.	Database	Store user input links in the database.	MongoDB
5.	Cloud Database	Database Service for storing user profile	IBM DB2, IBM Cloudant etc.
6.	File Storage	Store the datasets used for prediction	IBM Block Storage or Other Storage Service or Local Filesystem
7.	Machine Learning Model	For Detecting web phishing detection	Logistic Regression Model
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, Render, IBM Cloud.

**Table-2: Application Characteristics:**

<b>S.No</b>	<b>Characteristics</b>	<b>Description</b>	<b>Technology</b>
1.	Open-Source Frameworks	High-level open-source frameworks	Python - Flask
2.	Security Implementations	It is the security discipline that makes it possible for the right entities.	IAM Controls of IBM
3.	Scalable Architecture	Multi-tier architecture - connected to IBM cloud	Python
4.	Availability	Cloud load balancing and storage in DB	IBM cloud service
5.	Performance	Scalable to accommodate users and response time is reduced	Cloud App services, security modules