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

Date	03 October 2022
Team ID	PNT2022TMID42214
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

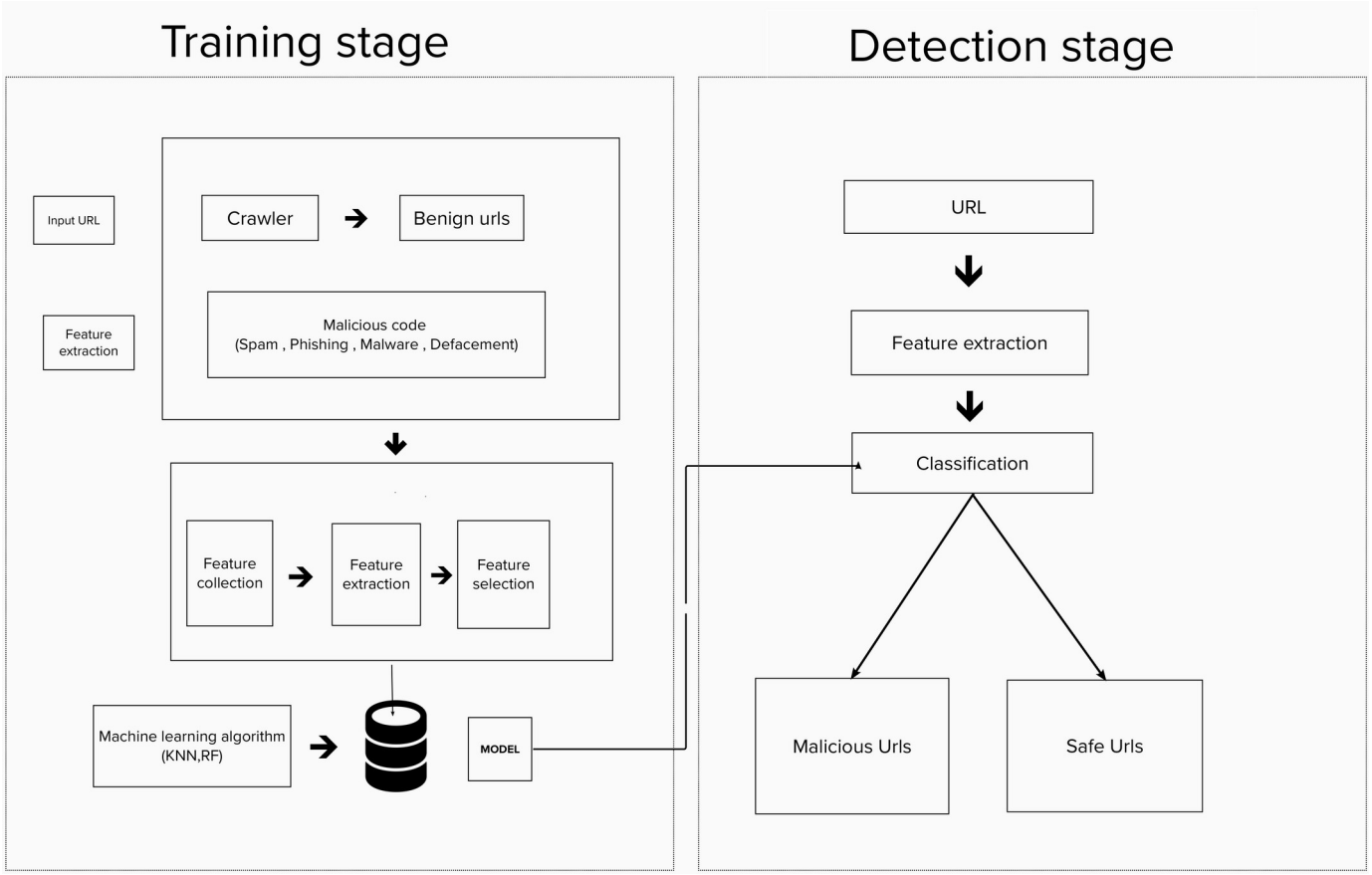

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / etc.
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL,
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage
8.	External API-1	Purpose of External API used in the application	Fast API
9.	External API-2	Purpose of External API used in the application	nil
10.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, DBN model , Random forest classifier
11.	Infrastructure (Server / Cloud)	Application Deployment on a machine to monitor and detection of web phishing	Local, Cloud Foundry, Kubernetes, IBM watson

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	open-source frameworks used in the project	Gophish , python flask
2. ,	Security Implementations	security / access controls implemented, use of firewalls etc.	RSA , SHA-256, Encryptions, proxy firewalls , OWASP etc.
3.	Scalable Architecture	Cloud infrastructure which can be used to provide services for more number of custumers at any time	IBM Watson cloud

S.No	Characteristics	Description	Technology
4.	Availability	This application is an automated machine learning model with cloud technology hence it can be available all the time	IBM watson cloud
5.	Performance	Machine learning classification model is used in this project the performance measures can be evaluated through various parameters like accuracy , number of request per second , accurate results etc	Knn classifier , Logistical regression model , DBM model , Random forest classifier