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

Date	17October 2022
Team ID	PNT2022TMID50791
Project Name	Project – 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

WEB PHISHING DETECTION:

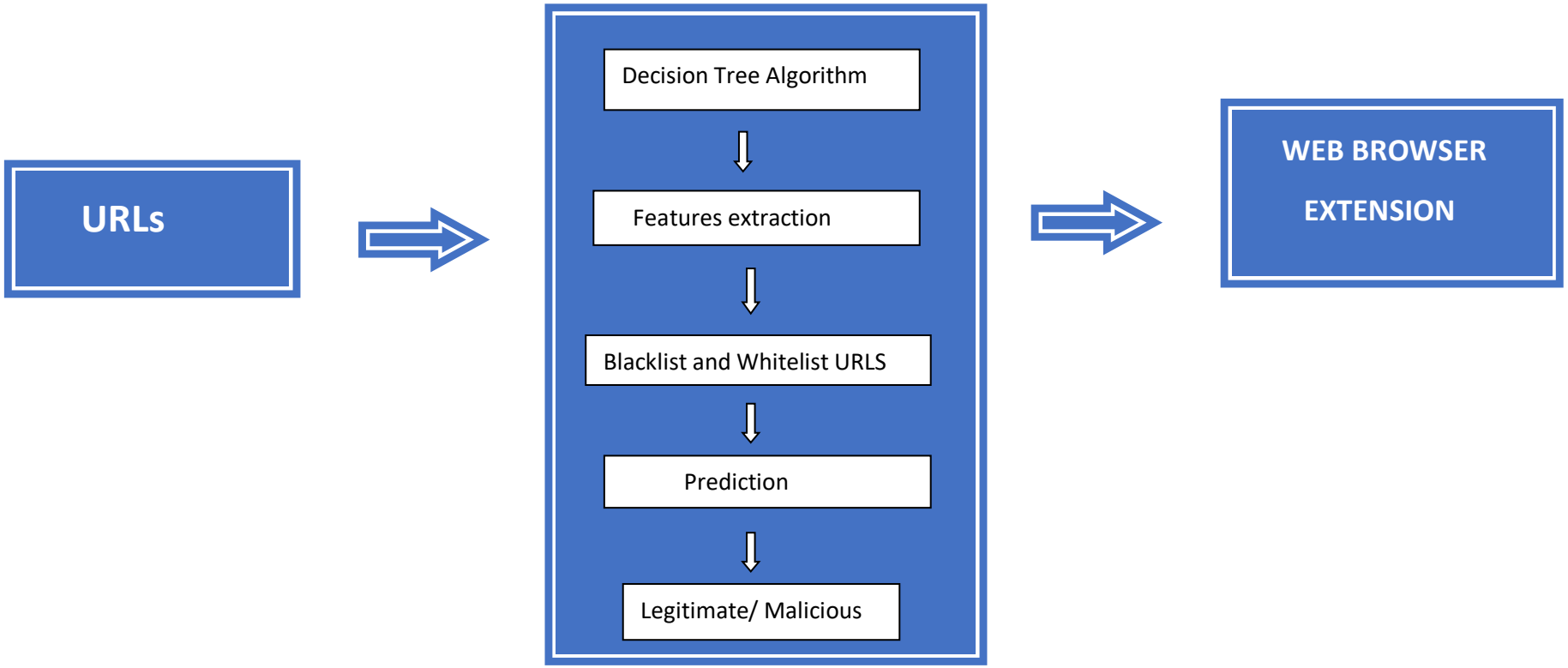

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	Web extension, JavaScript .
2.	Application Logic-1	Logic for a process in the application	Python/ Java
3.	Application Logic-2	Logic for a process in the application	IBM cloud , Flask server
4.	Database	Data Type, Configurations etc.	Hierarchical database, network database systems
5.	Cloud Database	Database Service on Cloud	IBM Watson
6.	File Storage	File storage requirements	IBM Cloud Storage or Other Storage Service or Local Filesystem
7.	Machine Learning Model	Purpose of Machine Learning Model	Decision Tree classifier, Regression model, etc
8.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Sniperphish, Gophish
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Two factor authentication, Firewall
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Response time, Throughput
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Auto scaling based on user demand
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Blacklist, Whitelist, ML techniques