Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 Oct 2022
Team ID	PNT2022TMID34312
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form.
FR-2	User Confirmation	Confirmation via Email.
FR-3	User Authentication	Authentication via Password.
FR-4	User Input	User input an URL to check it is legal or phishing site.
FR-5	Website Comparison	Model comparing the entered URL with the help of Blacklist and Whitelist.
FR-6	Feature extraction	After comparing, if none found on comparison the it extracts feature using heuristic and visual similarity approach.
FR-7	Prediction	Model Predicts the URL using Machine Learning algorithm such as Logistic Regression, KNN.
FR-8	Classifier	Model sends output to classifier and it produce final result.
FR-9	Announcement	Model the displays whether the website is a legal or phishing site.
FR-10	Events	Model needs the capability of retrieving and displaying accurate result for a website.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	A set of specifications that describe the system's operation capabilities and constraints and attempt to improve its functionality.
NFR-2	**Security**	Assuring all data inside the system or its part will be protected against malware attacks or unauthorized access.
NFR-3	**Reliability**	This approach gives more accuracy than existing system.
NFR-4	**Performance**	Parameters for the proposed system gives accurate predicted value which is compared to the existing system.
NFR-5	**Availability**	The system is accessible by user at any time using web browser.
NFR-6	**Scalability**	The design will be suitable and performs with full efficient according to rising demands.