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

Date	17 October 2022
Team ID	PNT2022TMID27267
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	Input Validation	The User inputs the URL of the suspicious website to check for its validation.
FR-2	Evaluation	The Model evaluates the website using Blacklist and Whitelist approach
FR-3	Extraction	It retrieves features based on heuristics and visual similarities.
FR - 4	Prediction	The URL is predicted by the model using Machine Learning methods such as Logistic Regression and KNN.
FR - 5	Real Time monitoring	The use of Extension plugin should provide a warning pop-up when they visit a website that it is phished. Extension plugin will have the capability to also detect latest and new phishing websites
FR - 6	Announcement of Events	Model then displays whether website is a legalsite or a phishing site.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Responsive UI / UX Design so that users can easily configure the settings based on their personal preference.
NFR-2	**Security**	Implementation of Updated security algorithms and techniques.
NFR-3	**Reliability**	It specifies the likelihood that the system or its component will operate without failure for a specified amount of time under prescribed conditions.
NFR-4	**Performance**	It is concerned with a measurement of the system's reaction time under various load circumstances.
NFR-5	**Availability**	It represents the likelihood that a user will be able to access the system at a certain moment in time. While it can be represented as an expected proportion of successful requests, it can also be defined as a percentage of time the system is operational within a certain time period.
NFR-6	**Scalability**	It has access to the highest workloads that will allow the system to satisfy the performance criteria. There are two techniques to enable the system to grow as workloads increase: Vertical and horizontal scaling.