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

Date	15 October 2022
Team ID	PNT2022TMID01355
Project Name	Project – WEB PHISHING DETECTION
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	**User Input**	User inputs an URL in required field to check its validation.
FR-2	**Website identification**	Model compares the websites using Blacklist and Whitelist approach.
FR-3	**Feature extraction**	After comparing, if none found on comparison then it extracts feature using heuristic and visual similarity approach.
FR-4	**Prediction**	Model predicts the URL using Machine Learning algorithms such as Regression, KNN
FR-5	**Classifier**	Model generates the final outcome by predicting all output from the classifier.
FR-6	**Results**	Before users submit any personal data into a website, a model predicts it and displays a pop-up.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	With web phishing detection, users can browse several websites without losing any information.
NFR-2	**Security**	By receiving pop-up messages, users may determine whether or not the websites are secure.
NFR-3	**Reliability**	Any user accessing a website should feel confident in it.
NFR-4	**Performance**	For the performance to be effective, it should be quicker and more user-friendly.
NFR-5	**Availability**	Users should be able to access materials that are valid and credible.
NFR-6	**Scalability**	The website's performance must be effective to handle the growing user and load without any problems.