

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

Date	03 October 2022
Team ID	PNT2022TMID31293
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 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:

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

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