

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

Date	03 October 2022
Team ID	PNT2022TMID42127
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 URL	User inputs an URL (Uniform Resource Locator) in an appropriate Space for its validation.
FR-2	Website Validation	Model Evaluates the Website using a Blacklist
FR-3	Extraction And Prediction	The model Extracts the information using heuristic and visual similarities. The URL can be Predicted by the machine learning model such as regression models and KNN.
FR-4	Real time monitoring	By the use of Extension Plugin the message is delivered that the visited website is a Phishing website. It also can able to detect the new Phishing Websites
FR-5	Authentication	IT ensure for secure websites and give information security

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Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Analysis of consumer's product usability in the design process with user experience as the core may certainly help designers for better grasp of user's prospective demands in web phishing detection, behaviour, usage and experience.
NFR-2	Security	It guarantees that any data given in the system or within their components are to be safe. If you wish to prevent unauthorised access to the admin panel, describe the login flow and different user roles as system behaviour or user actions.
NFR-3	Reliability	It specifies the livelihood of the system or its components to work correctly and efficiently for a specific amount of time under a Specific condition.
NFR-4	Performance	It is to consider that with a measurement of an ability of the system under certain circumstances.
NFR-5	Availability	It will be represented that efficiency of the user Accessibility time Of Validation. 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 to access to the higher workloads to attain the performance of the system. There are two technology in the scalability measurement i.e. Vertical and Horizontal