

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

Date	03 October 2022
Team ID	PNT2022TMID28921
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	Verifying input	User inputs an URL in necessary field to check its validation
FR-2	User Confirmation	Confirmation through email Confirmation via OTP
FR-3	Authentication	Confirmation of google firebase
FR-4	User Permission	User must give permission access to the search engine
FR-5	Website Evaluation	Model checks for the website in appearance of whitelist and blacklist
FR-6	Real time monitoring	The use of extension plugin should provide a warning popup when they visit a website that is phished. Extension plugin will have the capability to also detect latest and new phishing website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This is very user friendly any people with less knowledge also can easily understood that they are using the fake websites through out alert message
NFR-2	Security	This website is secured as one cant hack our detection website , our website is easily trusted ones and they will be saved user financial information loss
NFR-3	Reliability	It has good consistency and performs as it actively detect the fake website and protect the confidential information and financial loss of the user
NFR-4	Performance	Web phishing detection performs high. It is very efficient, very easy to understand and it has a high security and scalability

NFR-5	Availability	This detection website is available at any system like smart phones , laptop , smart watch, desktop and other electronic devices. User can easily got it
NFR-6	Scalability	The total execution time of our approach in phishing web page detection is around 2-3sec,which is acceptable to our environment .As input size and execution time is increase it make the system difficult to handle and increase the stress