

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

Date	03 October 2022
Team ID	PNT2022TMID23911
Project Name	Project – 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 Registration	Registration through Google Form Registration through Gmail Registration through WhatsApp Registration through FaceBook
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Extraction and Prediction	It retrieves features based on heuristics and visual similarities. The URL is predicted by the model using Machine Learning methods such as Logistic Regression and KNN.
FR-4	Real Time monitoring	The use of Extension plugin should provide a warning pop-up when they visit a website that is phished. Extension plugin will have the capability to also detect latest and new phishing websites
FR-5	Authentication	Authentication assures secure site, secure processes and enterprise information security.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Engage the user about the process to ensure that the functionality can meet design and usability requirements.
NFR-2	Security	It guarantees that any data included within the system or its components will be safe from malware threats or unauthorised access. 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 focuses on preventing failures during the lifetime of the product or system, from commissioning to decommissioning.
NFR-4	Performance	It is concerned with a measurement of the system's reaction time under various load circumstances

NFR-5	Availability	Ensuring that the application can meet its availability targets to be resilient (fault tolerance).
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