

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

Date	03 October 2022
Team ID	PNT2022TMID15890
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 Gmail
FR-2	Registered User Login	Login through Gmail and Password
FR-3	Data Fetch	Get the URL of the website need to be verified
FR-4	Result Prediction	Predict the category of the website using the ML model trained under a certain dataset
FR-5	Storing Result	Store the outcome in the appropriate place
FR-6	Displaying Result	Notify the user about the nature of the given website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Users will be able to register and access the website for detecting phishing sites easily. The User Interface should be simple and usable at ease.
NFR-2	Security	Data provided by the user should be secure and highest priority should be given to protect those data. Also, admin and authorized personnel can only be allowed to access those data.
NFR-3	Reliability	The data will be updated after every prediction. So, the database will be refreshed more often by adding more new websites.
NFR-4	Performance	The website shall be simple, dynamic and responsive. While the authentication of the website and other internal process will be done on background.
NFR-5	Availability	The website should be developed to identify phishing websites mainly among the payment and banking related domain. These are to be made available to user easily.
NFR-6	Scalability	The website shall be accessed by a greater number of users at the same time.