

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

Date	03 October 2022
Team Id	PNT2022TMID44414
Project Id	Web Phishing Detection
Maximum Mark	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No	Functional Requirement (Epic)	Requirement (Story / Sub-Task)
FR-1	User Registration	Register by entering details such as name, email, password, phone number, etc. ("A visitor can register himself to the website to access it").
FR-2	User Login	Login using the registered email id and password. (" After a successful registration, user/admin may input his credentials to login into the system")
FR-3	Model Building	Build various machine learning model to detect web phishing and compare them.
FR-4	Check URL	Here, the user checks for the blacklisted website by inputting the URL.
FR-5	Integration	Integrate the frontend and the developed ML model using flask
FR-6	Alert Message	Notify the user through email or phone regarding the malicious website.

Non-functional Requirements:

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

FR No	Non-Functional Requirement	Description
FR-1	Usability	Any URL must be accepted for detection.
FR-2	Security	Alert message must be sent to the users to enable secure browsing.
FR-3	Reliability	The web phishing websites must detected accurately and the result must be reliable.
FR-4	Performance	The performance and interface must be user friendly
FR-5	Availability	Anyone must be able to register and login.
FR-6	Scalability	It must be able to handle increase in the number of users.