

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

Date	03 October 2022
Team ID	PNT2022TMID19533
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 Registration	Registration through Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Input	User enter the URL in required field for validation
FR-4	URL Processing	Model compares the websites using the blacklist and whitelist approach.
FR-5	Prediction	Model predicts the URL using Machine Learning algorithm.
FR-6	Classifier	The URL will be identified as Malicious or not
FR - 7	Result	Result predicted by the model is displayed to the user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	With an efficient, user-friendly UI, users will not have difficulty in using the solution and navigating through the system
NFR-2	Security	By enabling google authentication which provides multi factor authentication
NFR-3	Reliability	Probability of failure free operations in the specified environment of usage
NFR-4	Performance	The performance should be faster and user friendly for efficiency
NFR-5	Availability	The model should be available for use always, it can be exported to users and can be run in the local machine
NFR-6	Scalability	This can be developed into an API which can be incorporated by others who can make use of i