

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

Date	16 October 2022
Team ID	PNT2022TMID40333
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	Checking URL	If the user suspected any of the URL might be a phishing URL.
FR-2	Copying URL	User can copy the suspected URL and paste in the Search Engine.
FR-3	URL Extraction	After pasting URL in the Search Engine, it can extract the all the information about URL.
FR-4	Data Processing	Search Engine compare the URL with given dataset by using ML algorithms like Logistic Regression and Decision trees.
FR-5	Predicating	Finally the Search Engine predict the result of given URL and showing negative and positive of the URL.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user can easily understood our website there is no difficulties in finding the Search Engine.
NFR-2	Security	Our site is mainly provided for the security process only so there is no possibility for security issues and didn't ask any device permissions.
NFR-3	Reliability	All the data processing and prediction are hide to the end users. Showing the positive and negative of the result and it never predict wrongly.
NFR-4	Performance	While using dataset with python and ML algorithms it predict faster than using database with python.
NFR-5	Availability	All the basic resources are made available to the end users.
NFR-6	Scalability	Many URL can be searched at a time by different Users.