

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

Date	26 October 2022
Team ID	PNT2022TMID20856
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/log in	Check validation of the URL
FR-2	Validating and Comparison of websites	With the help of list-based approaches.
FR-3	The built model will able to detect with the help of machine learning algorithms	Algorithms like K-Nearest Neighbour (KNN), Random Forest, Support Vector Machine etc.,
FR-4	Generates output	Based on the above it will classify and produce the output.
FR-5	Result	If the website is illegal it will classify as phishing website and sends to blacklist.
FR-6	For Email phishing detection/ If the user clicks the link that as been sent to his/her mail.	Validate the URL
FR-7	Compare, Predict and generates output	- If it is an illegal website/link then it will generate the output.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It should satisfy the users requirements.
NFR-2	Security	The system should have strengthened security with up-to-the-minute insights
NFR-4	Performance	It should perform based on requirements made by the user.
NFR-5	Availability	It should be available all time (like 24/7)