

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

Date	03 October 2022
Team ID	PNT2022TMID10135
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 Input	User inputs an URL in required field to check its validation.
FR-2	Feature extraction	It extracts feature using heuristic and visual similarity approach.
FR-3	Prediction	Model predicts the URL using ML Classification algorithms.
FR-4	Classifier	Model sends all output to classifier and produces final result.
FR-5	Announcement	Model then displays whether website is a legal site or a phishing site.
FR-6	Accuracy	This model needs the capability of retrieving and displaying accurate result for a website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Users can input the URL directly into the search bar in the interface
NFR-2	Security	The application does not store any sensitive and personal data of the user
NFR-3	Reliability	The predictions are made based of verified ML model which has been tests multiple times
NFR-4	Performance	The accuracy high and it can predict accurately than classic detection method
NFR-5	Availability	It is available and compatible on all platform and devices
NFR-6	Scalability	The application can be used for huge range of fields from E-banking, shopping, offers, etc.