

Project Design Phase-II
Functional Requirements

Date	08 October 2022
Team ID	PNT2022TMID23060
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	Input validation	The user inputs the URL of the suspicious website to check for its validation.
FR-2	Evaluation	The model evaluates the website using the blacklist and whitelist approach.
FR-3	Extraction	It retrieves features based on heuristics and visual similarities.
FR-4	Prediction	The URL is predicted by the model using machine learning methods such as Logistic Regression and KNN.
FR-5	Real Time monitoring	The use of extension plugin should provide a warning pop-up when they visit a website that it is phished.
FR-6	Authentication	Authentication assures secure site, secure processes and enterprise information security.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	System is easy to configure and is efficient in carrying out user tasks.
NFR-2	Security	System will protect all data and keep them safe.
NFR-3	Reliability	The system will perform the task without any failure for a specific time in certain environment.
NFR-4	Performance	The performance of the system will be effective and accurate.
NFR-5	Availability	It represents the likelihood that a user will be able to access the system at a certain moment in time. While it can be represented as an expected proportion of successful requests, it can also be defined as a percentage of time the system is operational within a certain time period.
NFR-6	Scalability	It has access to the highest workloads that will allow the system to satisfy the performance criteria. There are two techniques to enable the system to grow as workloads increases: vertical and horizontal scaling.