

Project Design Phase-II

Functional and Non-Functional Requirements

Date	16 october 2022
Team ID	PNT2022TMID35406
Project Name	Web phishing detection

Fr.no	FUNCTIONAL REQUIREMENT	SUB REQUIREMENT
FR-1	User Input	The URL which needs to be checked is given as input by the user.
FR-2	Feature Extraction	The model must extract appropriate features from the URL given by the user,so that we can apply the ML algorithm.
FR-3	Prediction	Model must use an ML algorithm such as KNN, Logistic regression etc to make predictions.
FR-4	Verify the link provided by the user	User inputs the link to be verified
FR-5	Display the result	If the site link is a phishing site, user must be aware and read the precautions displayed If the site link is legit, exit the application
FR-6	Sharing and clearing the Queries	If any doubts, send query Read FAQs

Non functional requirements:

FR.NO	NON-FUNCTIONAL REQUIREMENT	DESCRIPTION
NFR-1	USABILITY	Engage the user about the process to ensure that the functionality can meet design and usability requirements. It relates to overall satisfaction of the user.
NFR-2	SECURITY	Users need to be protected from malicious attacks when using the site.
NFR-3	RELIABILITY	It focuses on preventing failures during the lifetime of the product or system, from commissioning to decommissioning.
NFR-4	PERFORMANCE	It is the ability of the application to always run acceptably. In time-critical scenarios, even the smallest delay in processing data can be unacceptable.
NFR-5	AVAILABILITY	Fault tolerance Ensuring that the application can meet its availability targets to be resilient
NFR-6	SCALABILITY	It is the ability for the application to scale to meet increasing demands; for example, at peak times or as the system becomes more widely adopted.