

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

Date	15October 2022
Team ID	PNT2022TMID34894
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	Registration through Form
FR-2	User Confirmation	Confirmation via Email
FR-3	User Authentication	Authentication via Password
FR-4	Website Comparison	Model compares the websites using Blacklist and Whitelist approach.
FR-5	Feature extraction	After comparing, if none found on comparison the it extracts feature using heuristic and visual similarity approach.
FR-6	Prediction	Model predicts the URL using Machine Learning algorithms such as Logistic Regression, KNN
FR-7	Classifier	Model sends all output to classifier and produces final result.
FR-8	Announcement	Model the displays whether the website is a legal or phishing site.
FR-9	Events	Model needs the capability of retriiving 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	<b>Usability</b>	With special feature web extension ,it increase the effectiveness,efficiency ,hassle-free navigation,overall satisfaction of the user throughout the system
NFR-2	<b>Security</b>	Assuring all data inside the system or its part will be protected against malware attacks or unauthorized

		access
NFR-3	<b>Reliability</b>	This approach gives more accuracy than existing system.
NFR-4	<b>Performance</b>	Parameters for the proposed system gives accurate predicted value which is compared to the existing system.
NFR-5	<b>Availability</b>	Availability is a general term used to depict how much an item, gadget, administration, or Condition is open by however many individuals as would be prudent. In our venture individuals who have enrolled with the cloud can get to the cloud to store and recover their information with the assistance of a mystery key sent to their email ids. UI is straightforward and productive and simple to utilize
NFR-6	<b>Scalability</b>	Framework is fit for taking care of increment all out throughput under an expanded burden When assets (commonly equipment) are included. Framework can work ordinarily under circumstances, for example, low data transfer Capacity and substantial number of clients