Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	3 October 2022
Team ID	PNT2022TMID00733
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	**User Registration**	Register by entering details such as name, email, password.
FR-2	**User Confirmation**	Login using the registered email id and password.
FR-3	**Website Comparison**	Blacklist filtering and Whitelist filtering techniques are used to compare the website URL.
FR-4	**Feature Selection**	Based on the length of an URL, number of dots in URL and check for the correct spelling and grammar.
FR-5	**Feature Vectorization**	Training and Testing dataset should be developed.
FR-6	**Classifier**	Model sends all output 10 classifier and produces final result.
FR-7	**Results**	Model then displays whether website is a legitimate or a phishing site.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User can access to several website easily using web phishing detection without losing any data.
NFR-2	**Security**	Alert message must be sent to the users to enable secure browsing.
NFR-3	**Reliability**	The web phishing websites must detect accurately and the result must be reliable.
NFR-4	**Performance**	The performance should be faster and user friendly for the effective performance.
NFR-5	**Availability**	The system will be accessible to the user at any point in time through a web browser.
NFR-6	**Scalability**	It must be able to handle an increase in users and loads without disrupting the end users.