Project Design Phase-II

Solution Requirements

Date	5 november 2022
Team ID	PNT2022TMID26273
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User subscription	Account creation using Google login
FR-2	User Security	Minimum of 12 character password with Alphanumeric and special characters, 2-step verification using mobile or authenticator like DUO, etc.
FR-3	Feature	Synchronization across all of user devices.
FR-4	Storage	Use of google cloud.

Non-Functional requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability is commonly considered to be the enemy of security. In general, being secure means taking extra steps to avoid falling for different attacks. This is especially true of phishing where the best ways to prevent against most phishing attacks are commonly known, but cybersecurity guidance is rarely followed.
NFR-2	Security	Phishing is a type of cybersecurity attack during which malicious actors send messagespretending to be a trusted person or entity. Lack of security awareness among employees is also one of the major reasons for the success of phishing.
NFR-3	Reliability	Reliability Factor is determined on the basis ofthe outcome of these strata, using Rough Set Theory. Reliability Factor determines the possibility of a suspected site to be Valid or Fake. Using Rough set Theory most and the least influential factors towards Phishing are also determined.
NFR-4	Performance	The two main characteristics of a phishing siteare that it looks extremely similar to a legitimate site and that it has at least one field to enable users to input their credentials. A common indicator of a phishing attempt is a suspicious attachment.
NFR-5	Availability	Phishing is a type of social engineering

		attack often used to steal user data, including login credentials and credit card numbers. It occurs when an attacker, masquerading as a trusted entity, dupes a victim into opening an email, instant message, or text message.
NFR-6	Scalability	Scalable detection and isolation of phishing, themain ideas are to move the protection from endusers towards the network provider and to employ the novel bad neighborhood concept, in order to detect and isolate both phishing e- mail senders and phishing web servers