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

Date	07 November 2022
Team ID	PNT2022TMID03812
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	Verifying input	User inputs an URL (Uniform Resource Locator) in necessary field to check its validation.
FR-2	Website Evaluation	Model evaluates the website with some parameters defined in the function
FR-3	Extraction and Prediction	Based upon the parameters chosen, the values/ result of the URL is predicted (i.e) phishing or not
FR-4	Real Time monitoring	When a user visits a phished website, the Extension plugin should display a warning pop-up. The extension plugin will be able to recognise the newest and most sophisticated phishing websites.
FR-5	Authentication	Authentication ensures the security of enterprise information, secure processes, and websites.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Users' potential needs in terms of web phishing detection, behavior, and experience may be better understood by designers if consumer product usability is analysed during the design process with user experience at its core.
NFR-2	**Security**	Any data included inside the system or its parts will be protected from virus threats and unauthorised access, according to this assurance. Identify the login process and various user roles as system behaviour or user activities if you want to restrict unauthorised access to the admin panel.
NFR-3	**Reliability**	It describes the likelihood that the system or a particular component will function properly for a specific period of time under particular circumstances.
NFR-4	**Performance**	It is concerned with determining how quickly the system reacts under various load conditions.
NFR-5	**Availability**	It indicates the possibility that a user will have access to the system at a specific time. It can be expressed as the anticipated percentage of requests that are successful, but it can also be expressed as the percentage of time the system is active over a given period of time.
NFR-6	**Scalability**	It has access to the heaviest workloads necessary to meet the performance requirements. Vertical and horizontal scaling are the two methods that allow the system to expand as workloads rise.