

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID00649 |
| 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 | Quality data and preprocess data | A systematic review of current trends in web phishing detection techniques is carried out and a taxonomy of automated web phishing detection is presented. The objective of this study is to acknowledge the status of current research in automated web phishing detection and evaluate their performance. |
| FR-2 | Accurately predict | Although scientifically there is reliable method of predicting the range of length that justify a website as phishing or non-phishing but then it is criteria used |
| FR-3 | Confirmation | Display the result with the description of Web Phishing Detection. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Phishing is a form of crime in which identity theft is accomplished by use of deceptive electronic mail and a fake site on the World Wide Web. |
| NFR-2 | Security | Web phishing is one of many security threats to web services on the Internet. Web phishing aims to steal private information, such as usernames, passwords, and credit card details, by way of impersonating a legitimate entity. It will lead to information disclosure and property damage. |
| NFR-3 | Reliability | The initial dataset for phishing websites was obtained from a community website called Phish Tank. An accuracy detection rate of about 99% was achieved. |
| NFR-4 | Performance | Web phishing aims to steal private information, such as usernames, passwords, and credit card details, by way of impersonating a legitimate entity. |
| NFR-5 | Availability | The system uses to find the framework that tracks websites for phishing sites. |

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|-------|--------------------|--|
| NFR-6 | Scalability | <p>Framework is fit for taking care of increment all out throughput under an expanded burden when assets (commonly equipment) are included.</p> <p>Framework can work ordinarily under circumstances, for example, low data transfer capacity and substantial number of clients.</p> |
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