Project Design Phase-II Solution Requirements (Functional &

Non-functional)

|  |  |
| --- | --- |
| Date | 15 October 2022 |
| Team ID | PNT2022TMID24961 |
| 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 | Registration through Form Registration through Gmail Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Registered User - Login | Login through password  (Form) Login through Gmail Login through LinkedIN |
| FR-4 | Verify the link provided by the  user | User inputs the link to be verified |
| FR-5 | Display the result | If the site link is a phishing site, user must be aware and read the precautions displayed  If the site link is legit, exit the application |
| FR-6 | Share Queries | If any doubts, send query Read FAQs |

# Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR**  **No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Engage the user about the process to ensure that the functionality can meet design and usability requirements. |
| NFR-2 | **Security** | It includes intrusion prevention and detection,  authentication, authorization, and confidentiality of the user information. |
| NFR-3 | **Reliability** | It focuses on preventing failures during the lifetime  of the product or system, from commissioning to decommissioning. |
| NFR-4 | **Performance** | It is the ability of the application to always run  acceptably. In time-critical scenarios, even the smallest delay in processing data can be unacceptable. |
| NFR-5 | **Availability** | Ensuring that the application can meet its availability  targets to be resilient (fault tolerance). |

|  |  |  |
| --- | --- | --- |
| NFR-6 | **Scalability** | It is the ability for the application to scale to meet increasing demands; for example, at peak times or as the system becomes more widely adopted. |