Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID52729 |
| Project Name | Project - Web Phishing Detection |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Google and Email |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Input | User enters the suspicious URL in required field for  validation |
| FR-4 | URL Processing | By using appropriate machine learning algorithms and the dataset, the model will process the new input. |
| FR-5 | Classification | The URL will be identified as Malicious or not |
| FR-6 | Result | Result predicted by the model is displayed to the user will be cautioned about the website and the next steps to take if the URL turns out to be malicious |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | With an efficient, hassle-free, user friendly UI, users  will not have difficulty in using the solution and navigating through the system |
| NFR-2 | **Security** | Using Google authentication which automatically  provides multi factor authentication and also authentication through email |
| NFR-3 | **Reliability** | Probability of failure free operations in the specified  environment of usage |
| NFR-4 | **Performance** | The performance should be faster and user friendly for efficiency and effectivity |
| NFR-5 | **Availability** | The model should be available for use always, it can be exported to users and can be run in the local  machine |
| NFR-6 | **Scalability** | This can be developed into an API which can be incorporated by others who can make use of it |