**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID34845 |
| 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 | URL of the website to be checked. | To detect the website for legitimate percentage, the URL of the webpage is required. |
| FR-2 | An active online cloud to DB and model. | To store the blacklisted website and to deploy the ML model online, a cloud storage is required. Also the url feature is extracted and processed on the model. |
| FR-3 | Internet Connectivity | As we train and test data set in IBM cloud , internet connectivity is mandatory in-order to access the cloud and test the URL. |
| FR-4 |  |  |
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**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** | Can be used by any payment website or by any users. |
| NFR-2 | **Security** | High level of security as we use ML technology. |
| NFR-3 | **Reliability** | Once input(URL) is given, the application predicts automatically if the system has internet connectivity. |
| NFR-4 | **Performance** | Prediction rate is 94% higher, when compared to classical methods. |
| NFR-5 | **Availability** | Available once the cloud connectivity is established. |
| NFR-6 | **Scalability** | Can be made compatible with Android application. |