**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 11 October 2022 |
| Team ID | PNT2022TMID42262 |
| Project Name | Personal assistance for seniors who are self-reliant |
| 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/Email |
| FR-2 | User Confirmation | Confirmation via OTP |
| FR-3 | Internet Connectivity | Users should have a stable internet connection to access the app |
| FR-4 | Data management | In the app's dashboard, a text box is used to collect all of the user's data. |
| FR-5 | User Input management | A text  field in the app's dashboard is used to collect all of the user's data. |
| FR-6 | Acknowledgement | Through the app, all of the data are kept in the cloud, and the user will receive acknowledgement. |
| FR-7 | User output management | The user can access their stored database through web application. |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The app is made user friendly so that it will very smooth and easy to handle. |
| NFR-2 | **Security** | The collected data is stored in IBM Cloudant DB and it is properly secured. |
| NFR-3 | **Reliability** | The user's data will be trustworthy and private because it is stored on the IBM cloud. |
| NFR-4 | **Performance** | The app uses virtual sensors; thus, it will have great accuracy and performance and provide faster access of data |
| NFR-5 | **Availability** | Users can always access the app because data stored in the cloud is always accessible. It also has additional benefits for subscribers. |
| NFR-6 | **Scalability** | It can be linked to any number of devices and support any number of users. |