**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID52101 |
| Project Name | Project - News Tracker Application |
| 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 Email |
| FR-2 | User Confirmation | Confirmation via Email using Sendgrid |
| FR-3 | User Preffered Topics | Collecting user’s favourite topics |
| FR-4 | Collecting News | Collecting news from rapid API at regular Intervals |
| FR-5 | Bookmark | Bookmarking Favourite news for the user |
| FR-6 | Login | Loging in the user using the registered email and password |
| FR-7 | News Feed | Showing the news fetched from the API to the user |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The app should be able to used by all people |
| NFR-2 | **Security** | The app should authenticate the legitimate users and should restrict bot attacks |
| NFR-3 | **Reliability** | The app should show the news which are non fake and spam free |
| NFR-4 | **Performance** | The app should be accessible in older devices too |
| NFR-5 | **Availability** | The app should be available to all devices |
| NFR-6 | **Scalability** | The app should handle multiple users and be designed in such a way for future upgrade |