**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 03October 2022 |
| Team ID | PNT2022TMID45109 |
| 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 Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | **User Confirmation** | Confirmation via Email  Confirmation via OTP |
| FR-3 | **User login**   |  | | --- | |  | | |  | | --- | | Login through browser directly by entering username and password  Login through  Login through email | |
| FR-4 | **User access**   |  | | --- | |  | | |  | | --- | | It is user friendly  Any user can access easily with their mobile phones.  They can also download the news and access it on offline. | |
| FR-5 | **User interaction** | |  | | --- | | Done through user interface between client and server  View the related news by subscripted or requested page | |
| FR-6 | |  | | --- | | **User authentication** | | |  | | --- | | It has a good security authentication.  Where user’s data cannot be stolen.  User’s data can be safe and secured. | |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | End users can receive push updates for new content on a site by subscribing to the site’s news feed |
| NFR-2 | **Security** | It has a high security.  It comes with strong passwords and authentication which is highly secured. |
| NFR-3 | **Reliability** | How often does the system experience critical failures? How much time does it take to fix the issue when it arises ?And how is user availability time compared to downtime? |
| NFR-4 | **Performance** | News can be updated every second.  User can share their comments publicly.  User can be attracted to the better UI design and gets engaged with the page. |
| NFR-5 | **Availability** | Availability describes how likely the system is accessible to a user at a given point in time. While it can be expressed as an expected percentage of successful requests, you may also define it as a percentage of time the system is accessible for operation during some time period. For instance, the system may be available 98 percent of the time during a month. Availability is perhaps the most business-critical requirement, but to define it, you also must have estimations for reliability and maintainability. |
| NFR-6 | **Scalability** | High capacity to handle growth.  It can handle more users at a time.  It can also satisfy the user’s needs. |