**Project Design Phase-II**

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

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| --- | --- |
| Date | 20 October 2022 |
| Team ID | PNT2022TMID24356 |
| Project Name | Project – News Tracker Application |
| 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 Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Login | Login with Email  Login with Verification Code  Login with Gmail  Login with LinkedIn |
| FR-4 | Database Management | Authenticate of end user login information with the date stored in the database and the application necessary information stored in the database. |
| FR-5 | Testing | Performing the necessary test to find the bugs and error. |
| FR-6 | Deploying | Deployment of the application in the server with the ability to automatically scale up the resource. |

**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** | Usability shows how well the application is built for the end users in order to accept and move with the user interface without any lags or mis-navigation |
| NFR-2 | **Security** | Security system consists off the user’s login information along with the information provided to the application for the subscription. |
| NFR-3 | **Reliability** | Reliability shows how far the application can satisfy the user needs with respect to the queries passed by the user. |
| NFR-4 | **Performance** | Performance matters when the application loads faster from the server and the request and response passed from user to server and vice-versa. |
| NFR-5 | **Availability** | Availability of the application is 24/7, which means the application can be accessed by the user at anywhere and anytime. |
| NFR-6 | **Scalability** | Scalability depends on the amount of resources used by the application to process the user’s request and to provide the necessary information without crash in the database. |