**Project Design Phase-II**

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

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| Date | 13.10.2022 |
| Team ID | PNT2022TMID12589 |
| Project Name | News Tracker Application |
| Maximum Marks | 4 Marks |

**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** | The UI should be understandable for everyone irrespective of their details like location, language, Interest etc.  User should have the flexibility of using the application in any of the devices. Despite of the device the content should be delivered in the correct way. |
| NFR-2 | **Security** | Only the Authorized and Registered users can access the system with their credentials, no others can access the application other than them. |
| NFR-3 | **Reliability** | The application must be usable/accessible anytime from anywhere. If a particular is not available or cannot able to display it then other news should be displayed. That is similar news must be displayed always |

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|  |  | The recovery of the application should be immediate such that the downtime of the application should be negligible. |
| NFR-4 | **Performance** | The performance of the system should be on par with high-end servers on which the software is running. |
| NFR-5 | **Availability** | The application should be available to all kind of authorized users all the time.  Even when the application needs to be updated the existing modules and their functionalities should be available to the users. |
| NFR-6 | **Scalability** | The whole software deployed must be easily scalable as the customer base increases. |

**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 | User must be able to login using the app |
| FR-2 | User Confirmation | The account creation confirmation will be sent to respective mail |
| FR-3 | All news feed displayed | The recent news fetched from the API will be displayed to the user. |
| FR-4 | Filter Option | The filter option can be used by the user to sort out the different types of news that a user can access |
| FR-5 | Search Option | Using Search option, the User can search for news and related news too. |
| FR-6 | Language Based | The language of the news that are displayed to the user can be changed according to the interest of the user. |
| FR-7 | Edit Profile | The user can edit their profile details whenever they wish for it. |