**Project Design Phase-II**

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

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| Date | 10 March 2025 |
| Team ID | SWDIT1741257874148529 |
| Project Name | INSIGHTSTREAM |
| Maximum Marks | 4 Marks |
| Team leader | Manikandan A |
| Team member | Aswin raj F |
| Team member | Nitheshkumar S |
| Team member | Tamilselvam K |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

**Functional Requirements – News App**

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| **FR-1** | **News Home** | Top News |
| **FR-2** | **News Genre** | General,Health,Technology,Politics,Art & Culture |
| **FR-3** | **NewsLetter** | NewsLetter subscription |

**Non-functional Requirements:**

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

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| **NFR No.** | **Non-Functional Requirement** | **Description** |
| **NFR-1** | **Usability** | The app should have an intuitive and user-friendly interface, ensuring smooth navigation and accessibility for users of all demographics. |
| **NFR-2** | **Security** | User authentication and data must be secured using encryption (e.g., HTTPS, OAuth for third-party logins). The app should prevent unauthorized access and follow best security practices. |
| **NFR-3** | **Reliability** | The app should ensure a consistent and uninterrupted music streaming experience, minimizing crashes and downtime. |
| **NFR-4** | **Performance** | Songs should load and stream with minimal buffering. The app should respond to user interactions (search, playback, playlist management) within 2 seconds. |
| **NFR-5** | **Availability** | The system should maintain an uptime of at least 99.9%, ensuring accessibility across different time zones. |
| **NFR-6** | **Scalability** | The app should handle increasing numbers of users and concurrent streams efficiently without performance degradation. The architecture should support future feature expansion. |