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| Date | 31 January 2025 |
| Team ID | SWTID1741149301 |
| Project Name | **FitFlex: Your Personal Fitness Companion** |
| | |
| Maximum Marks | 4 Marks |
| Team Leader : | K HARINI |
| Team member | A Farshana Begum |
| Team member | Fairoze Z |
| Team member | G BOWIYA |

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements – News App

| 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.

| 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. |

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| 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. |