**InsightStream: Navigate the News Landscape**

**Project Design Phase-II**

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

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| --- | --- |
| Date | 11/03/2025 |
| Team ID | ID-149960 |
| Project Name | InsightStream: Navigate the News Landscape |
| Maximum Marks | 4 Marks |

**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, Trending News |
| **FR-2** | **News Categories** | General, Health, Technology, Politics, Art & Culture, Sports, Business, Science, Entertainment |
| **FR-3** | **Mobile Optimization** | Responsive Design, Fast Loading, Offline Reading Mode |

**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 a clean and simple UI, ensuring easy navigation and and user-friendly interactions for all users. |
| **NFR-2** | **Performance** | News articles, images, and videos should load within **1-2 seconds** to ensure a seamless and fast user experience. |
| **NFR-3** | **Reliability** | The app should ensure uninterrupted access to news by handling API failures gracefully and ensuring data consistency. |
| **NFR-4** | **Availability** | The system should maintain 99.9% uptime, ensuring continuous access to news content, even during peak traffic hours. |
| **NFR-5** | **Scalability** | The app should efficiently handle multiple API requests and scale as user demand increases. |
| **NFR-6** | **Localization & Multilingual Support** | The app should support **multiple languages and regional content,** allowing users to access news in their preferred language. |