**Project Design Phase**

**Problem – Solution Fit Template**

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| Date | 7 March 2025 |
| Team ID | SWTID1741172514157264 |
| Project Name | NewsApp:  Nk LIVE NEWS |
| Maximum Marks | 2 Marks |

**Problem-Solution Fit Overview:**

The Problem-Solution Fit ensures that the identified problem aligns with the needs of users and that the proposed solution effectively addresses it. This concept helps developers, marketers, and business strategists validate the necessity and effectiveness of their solution before further development.

**Purpose:**

* Address the lack of a structured and interactive news platform for users who seek up-to-date and categorized news articles.
* Provide an intuitive and engaging experience for users to discover news quickly without the need for manual research.
* Offer seamless navigation and real-time data retrieval from NewsAPI to enhance user experience.
* Improve accessibility and engagement through an interactive UI, responsive design, and well-structured data flow.

**Problem Statement:**

Many users struggle to find relevant and structured news articles online, leading to frustration and inconsistency in staying informed. Most available platforms either require paid subscriptions or provide unstructured news listings without filtering options based on categories or keywords.

**Solution:**

* A React.js-based News Web Application that provides users with an easy-to-navigate interface to explore news articles by categories (e.g., sports, politics, entertainment).
* Integration with NewsAPI ensures users get up-to-date and detailed news information with images and descriptions.
* Axios-powered API requests ensure smooth data retrieval with minimal delays.
* Categorization and search functionalities improve accessibility and user engagement.
* A scalable and responsive UI design ensures a seamless experience across different devices.