Project Design Phase
Problem – Solution Fit Template

Date	10 March 2025
Team ID	SWTID1741158850151071
Project Name	News App
Maximum Marks	2 Marks

Problem – Solution Fit Overview:

The **Problem-Solution Fit** ensures that the identified problem aligns with the needs of News App and that the proposed solution effectively addresses it. This validation is crucial before further development.

Purpose:

- Address the fragmented News, where users struggle to find a comprehensive platform that caters to diverse news tastes and offers personalized recommendations.
- Provide an intuitive and engaging platform for users to discover latest news ,courtesy without relying on multiple sources.
- Offer News based on category to enhance user engagement and satisfaction.
- Provide a platform that empowers independent journalists to gain exposure.
- Improve accessibility and engagement through an **interactive UI, responsive design, and well-structured data flow**.

Problem Statement:

Many music enthusiasts face challenges in finding a single platform that offers:

- A vast and diverse news platform.
- Accurate and top news .
- Genuine courtesy.
- A strong social community around news .
- Fair exposure for independent journalist.

Solution:

"News App", a News app for web and mobile application, will provide:

- An extensive top News library through partnerships with major and independent record labels.
- Top and trendy news by default .
- Genuine courtesy reduces the chance of corrupted news.
- A freemium business model, that allows for free users.

Project Design Phase
Proposed Solution Template

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Proposed Solution for Music Streaming App

S. No.	Parameter	Description
1	**Problem Statement** (Problem to be solved)	Users often struggle to find accurate news and genuine courtesy. News app provides a full fledged top news and the news based on the genre .The open source third party news api provides the service for fetch and news and the news based on the category.
2	**Idea / Solution Description**	The News app is a React-based frontend solution that allows users to search, stream, and manage the news. It leverages a third-party API to fetch news and ensures an intuitive and interactive UI/UX for a seamless experience.
3	**Novelty / Uniqueness**	- **Top news** using open source third party API - **Intuitive UI/UX** with responsive design across devices - **Cross-Platform Support** for both mobile and web users - **Seamless Integration** with third-party News APIs for vast content availability
4	**Social Impact / Customer Satisfaction**	- Provides an **ad-free news experience** with multiple categories- **Brings emerging courtesy** to a wider audience through latest news - **Increases user engagement** through category based news.
5	**Business Model (Revenue Model)**	- **Freemium Model**: Free tier with No ads,for enjoying ad free news and news based categories.
6	**Scalability of the Solution**	- Can be **expanded globally** by integrating multiple third-party news APIs - Supports for enhanced personalization - Can be extended to **mobile applications** for iOS & Android using React Native - Potential integration with **AI-driven recommendation engines** for improved user experience

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Solution Architecture:

The solution architecture for news app, the news Application, ensures a **scalable, high-performance, and immersive platform** for getting news from genuine sources and personalized playlists. The architecture prioritizes seamless audio delivery, real-time recommendations, and cross-device synchronization to enhance user engagement.

- Find the best tech solution to solve existing business problems.

- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.

- Define features, development phases, and solution requirements.

- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram: