# Project Design Phase
# Proposed Solution Template

| Date | February 2025 15 |
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| Team ID | SWTID1741164257146518 |
| Project Name | Rhythmic Tunes |
| Maximum Marks | Marks 2 |

Proposed Solution for Music Streaming App

| .S. No | Parameter | Description |
|---|---|---|
| 1 | Problem Statement (Problem (to be solved | Users often struggle to find a seamless, personalized music streaming experience that offers high-quality playback, real-time recommendations, and an intuitive user interface. This project aims to provide a responsive and engaging music streaming platform that integrates with a third-party .API |
| 2 | Idea / Solution Description | The Music Streaming App is a React-based frontend solution that allows users to search, stream, and manage their favourite music. It leverages a third-party API to fetch music data and ensures an intuitive and interactive UI/UX for a seamless experience. Users can create and manage playlists, search for songs/artists, and enjoy personalized .recommendations |

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| 3 | | Novelty / Uniqueness | Personalized Playlists & Recommendations using AI-powered API suggestions - Intuitive UI/UX with responsive design across devices - Cross-Platform Support for both mobile and web users - Seamless Integration with third-party music APIs for vast content availability |
| 4 | | Social Impact / Customer Satisfaction | Provides an ad-free music streaming experience with customizable playlists - Brings emerging artists to a wider audience through recommendations - Increases user engagement through interactive features like favourite tracks, genre-based suggestions, and social sharing |
| 5 | | Business Model (Revenue (Model | Freemium Model: Free tier with ads, premium subscription for an ad-free experience - In-App Purchases: Exclusive access to curated playlists, offline downloads - Affiliate Partnerships: Integration with brands and music merchandise stores |
| 6 | | Scalability of the Solution | Can be expanded globally by integrating multiple third-party music APIs - Supports multi-user profiles 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 |