

## Project Design Phase Proposed Solution Template

Date	15 February 2025
Team ID	SWTID1741150587
Project Name	Rhythmic Tunes
Maximum Marks	2 Marks

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### Proposed Solution for Music Streaming App

S. No.	Parameter	Description
1	<b>Problem Statement</b> (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	<b>Idea / Solution Description</b>	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.
3	<b>Novelty / Uniqueness</b>	- <b>Personalized Playlists &amp; Recommendations</b> using AI-powered API suggestions - <b>Intuitive UI/UX</b> with responsive design across devices - <b>Cross-Platform Support</b> for both mobile and web users - <b>Seamless Integration</b> with third-party music APIs for vast content availability
4	<b>Social Impact / Customer Satisfaction</b>	- Provides an <b>ad-free music streaming experience</b> with customizable playlists - <b>Brings emerging artists</b> to a wider audience through recommendations - <b>Increases user engagement</b> through interactive features like favourite tracks, genre-based suggestions, and social sharing
5	<b>Business Model (Revenue Model)</b>	- <b>Freemium Model:</b> Free tier with ads, premium subscription for an ad-free experience - <b>In-App Purchases:</b> Exclusive access to curated playlists, offline downloads - <b>Affiliate Partnerships:</b> Integration with brands and music merchandise stores

6	Scalability of the Solution	<ul style="list-style-type: none"> <li>- Can be <b>expanded globally</b> by integrating multiple third-party music APIs - Supports <b>multi-user profiles</b> for enhanced personalization - Can be extended to <b>mobile applications</b> for iOS &amp; Android using React Native - Potential integration with <b>AI-driven recommendation engines</b> for improved user experience</li> </ul>
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