

**Project Design Phase-II
Technology Stack (Architecture & Stack)**

Date	31 January 2025
Team ID	SWTID1741104752
Project Name	Rhythmic Tunes: Your Melodic Companion
Maximum Marks	4 Marks
Team Leader:	Merlin Meronika S
Email id	12204bca22@princescience.in
Team Member 1:	Meena R
Email id	12010bca22@princescience.in
Team Member 2:	Aarthi B
Email id	12327bca22@princescience.in
Team Member 3:	Swathi M
Email id	12269bca22@princescience.in

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Example: Rhythmic Tunes

Reference: <https://open.spotify.com/>

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web-based interface for music streaming	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Music streaming and metadata management	React js, Node js
3.	Application Logic-2	Playlist and user preference management	React js, Node js
4.	Database	Stores Songs, playlists, and metadata	JSON Web Server

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
5.	Open-Source Frameworks	Frontend frameworks	React.js, Node.js, BootStrap, Tailwind CSS
6.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices

References:

[React.js Documentation](#)

[Node js Best Practice](#)

[JSON Web Server Reference](#)

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>