

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

Date	31 January 2025
Team ID	SWTID1741202156145623
Project Name	Rhythmic Tunes
Maximum Marks	4 Marks
Team Leader	K.Vignesh <a href="mailto:12194bca22@princescience.in">12194bca22@princescience.in</a>
Team Member1	D.Sharu kesh <a href="mailto:12046bca22@princescience.in">12046bca22@princescience.in</a>
Team Member2	S.Sathish <a href="mailto:12033bca22@princescience.in">12033bca22@princescience.in</a>
Team Member3	K.Sitheesh <a href="mailto:11994bca22@princescience.in">11994bca22@princescience.in</a>
Team Member4	M.Udaya Ganesh <a href="mailto:12227bca22@princescience.in">12227bca22@princescience.in</a>

**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>