

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

Date	January 2025SWTID1741164389146540 31
Team ID	SWTID1741164257146518
Project Name	Rhythmic Tunes
Maximum Marks	Marks 4

: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
	User Interface	Web-based interface for music streaming	HTML, CSS, JavaScript / React .Js etc
	Application Logic-1	Music streaming and metadata management	React js, Node js

	Application Logic-2	Playlist and user preference management	React js, Node js
	Database	Stores Songs, playlists, and metadata	JSON Web Server

:Table-2: Application Characteristics

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

#### :References

[React.js Documentation](#)

[Node js Best Practice](#)

[JSON Web Server Referance](#)

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