Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	31 January 2025
Team ID	SWTID1741155222
Project Name	Rhythmic Tunes
Maximum Marks	4 Marks

Team details:

Team Leader	Samuvel .p
Team member 1	sinmayanandhan .D
Team member 2	Bharath .V
Team member 3	G. Abishek

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.
1.	Application Logic-1	Music streaming and metadata management	React js, Node js
1.	Application Logic-2	Playlist and user preference management	React js, Node js
1.	Database	Stores Songs, playlists, and metadata	JSON Web Server

Table-2: Application Characteristics:

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