

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

|               |                 |
|---------------|-----------------|
| Date          | 31 January 2025 |
| Team ID       | SWTID1741157851 |
| Project Name  | Rhythmic Tunes  |
| Maximum Marks | 4 Marks         |

Team leader

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### 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  | 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>