**RhythmicTunes: Your Melodic Companion**

**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 11/03/2025 |
| Team ID | ID-155331 |
| Project Name | Rhythmic Tunes |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

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

**Example:** Rhythmic Tunes

**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 |