Project Documentation

RHYTHMIC TUNES

**Introduction:**

**TITLE: Rhythmic Tunes**

**TEAM LEADER: RUKMANI.M**

**TEAM ID:NM2025TMID39910**

**TEAM MEMBERS:**

**Rasathi P –** [**rasathip329@gmail.com**](mailto:rasathip329@gmail.com)

**Swetha c –** [**cchakravarthi644@gmail.com**](mailto:cchakravarthi644@gmail.com)

**Archana R –** [**archanar7200@gmail.com**](mailto:archanar7200@gmail.com)

**Rukmani M –** [**rukmanimeera071@gmail.com**](mailto:rukmanimeera071@gmail.com)

**📘 Introduction to Rhythmic Tunes:**

**What is a Rhythmic Tune?**

**A rhythmic tune refers to a musical idea or composition where rhythm plays a central role in defining the feel, movement, and identity of the tune. Unlike melodies that are mainly shaped by pitch and harmony, rhythmic tunes emphasize timing, beat patterns, accents, and groove.**

**In the context of music software, a rhythmic tune may also refer to a digitally created or manipulated musical pattern that combines beats, pulses, and syncopations — often used in:**

* **Beat-making software**
* **Metronome and rhythm trainers**
* **Sequencers and drum machines**
* **Digital audio workstations (DAWs)**

**Key Concepts:**

**Term Description:**

* **Rhythm The pattern of sounds and silences in time.**
* **Beat The basic time unit in music, often what you tap your foot to.**
* **Tempo The speed of the beat, measured in beats per minute (BPM).**
* **Meter Grouping of beats into measures, such as 4/4 or 6/8.**
* **Accent Emphasized beat within a pattern.**
* **Syncopation Shifting of normal accent patterns, often placing emphasis on weaker beats.**

**Role in Music Software:**

* **Modern music software lets users create, edit, and play rhythmic tunes through features like:**
* **Loop-based sequencing (e.g., drum loops, MIDI patterns)**
* **Step sequencing (e.g., in beat makers)**
* **Polyrhythmic layering (e.g., multiple rhythms played together)**
* **Time signature customization (e.g., 5/4, 7/8 rhythms)**
* **Humanized rhythm (adding small imperfections to make rhythms sound more natural)**
* **This allows musicians and producers to experiment with complex rhythmic ideas beyond traditional notation.**

**Importance of Rhythmic Tunes:**

**Rhythmic tunes are essential in:**

1. **Percussion practice – Building timing and control**
2. **Electronic music production – Creating groove and energy**
3. **Film/game scoring – Driving tension or movement**
4. **Live performance – Keeping performers in sync (via backing tracks or click tracks)**

**Summary:**

**A rhythmic tune is not just a background beat — it’s a fundamental structure in both traditional and digital music. In software, it represents a programmable, repeatable pattern of rhythm that users can manipulate to explore timing, creativity, and musical expression.**

**1.Overview**

* **Name: Rhythmic tunes**
* **Developer/Provider: Antoni Silvestrovic**
* **Platform: iOS (iPhone, iPad)**
* **Category: Music app (Metronome + Tuner)**
* **Purpose: Rhythmic is meant to help musicians keep time (metronome) and tune their instruments, with a clean minimalist design. It adds more advanced rhythmic features via premium (paid) upgrade.**

**2. Features**

**These are the functionalities of Rhythmic:**

**Feature Description**

* **Metronome Has core metronome features (keeping tempo, beats per minute) Tuner Chromatic tuning + standard guitar tuning modes**
* **Polyrhythmic metronome Up to 3 simultaneous tracks, allowing complex rhythm overlays (premium)**
* **Multiple sounds 9 interchangeable sounds for metronome clicks (to suit user preference)**
* **Tap tempo Ability to tap a beat and set the tempo accordingly**
* **Accent first beat Highlight the first beat of each bar, manually or automatically**
* **Background play Metronome can continue running in background (when app not in foreground) — premium feature**
* **Dark mode for comfortable viewing under dim lighting (premium)**
* **Change app icon Customization option via premium upgrade**

**3. Installation & Setup**

* **Install from Apple App Store (search for Rhythmic by Quassum MB)**
* **Compatible with iOS 13.0 and up (also works on iPad & certain requirement for macOS for M1 chip if used)**
* **Once installed, basic features like metronome, tuner, switching sounds are available. Premium features need in‑app purchase.**

**4. User Interface / Design**

* **Minimalist design, inspired by sheet music aesthetics. Clean, uncluttered.**
* **Multiple sound options for clicks; visual feedback for accenting beats.**
* **Some features are toggles (e.g. accent first beat, dark mode) and others involve more complex controls when polyrhythmic tracks are used.**

**5. Usage Examples**

**Here are some ways the software might be used:**

**1. Practice basic timing: Use metronome in 4/4, choose sound you like, possibly accent first beat, adjust tempo.**

**2. Instrument tuning: Use tuner mode, select guitar or chromatic, tune using reference.**

**3. Complex rhythmic practice: For advanced users, enable polyrhythmic tracks to practice clashing/overlapping rhythms (for example, practicing syncopation or playing multiple rhythms at once).**

**4. Live use or background use: Let metronome run in background while doing other work (if premium feature enabled).**

**6. Strengths & Weaknesses**

**Strengths:**

* **Clean and elegant interface; likely easy to use.**
* **Combines both metronome and tuner in one app.**
* **Nice range of free features; premium adds more complex rhythmic control.**
* **Polyrhythmic support is valuable for more advanced musicians.**

**Weaknesses / Limitations:**

* **Only available on iOS; no Android / cross‑platform version known.**
* **Some desirable features locked behind premium paywall.**
* **Feature set is strong for rhythm/tuning, but lacks advanced composition features (e.g. recording, exporting audio/MIDI) — as far as sources show, this is not its purpose.**
* **There may be limitations in how complex the polyrhythmic tracks can be (number of tracks = up to 3) which for some users may not be enough.**

**7. Technical Details & Constraints**

* **Runs on Apple devices (iOS 13+).**
* **File size approx. ~5.6 MB for base app version (as per App Store)**
* **In‑app purchases involved for premium features. Costs vary by region. For example, in India, premium price approx. ₹1,499.**

**8. Possible Enhancements / Future Features**

**Here are features that could improve Rhythmic or be suggested:**

* **Export / share rhythmic patterns: Allow users to export their custom polyrhythmic patterns or presets (as audio or MIDI)**
* **More simultaneous tracks: Expand beyond 3 tracks for more complex rhythms**
* **Cross‑platform support: Android version, or a web app version, so wider audience**
* **Integration with DAWs (Digital Audio Workstations): Syncing or sending tempo signals / MIDI to other software instruments**
* **Recording capability: Record sessions (metronome + instruments)**
* **Visualization / Learning tools: Graphical representations of rhythm, tutorials for complex rhythms/polyrhythms**

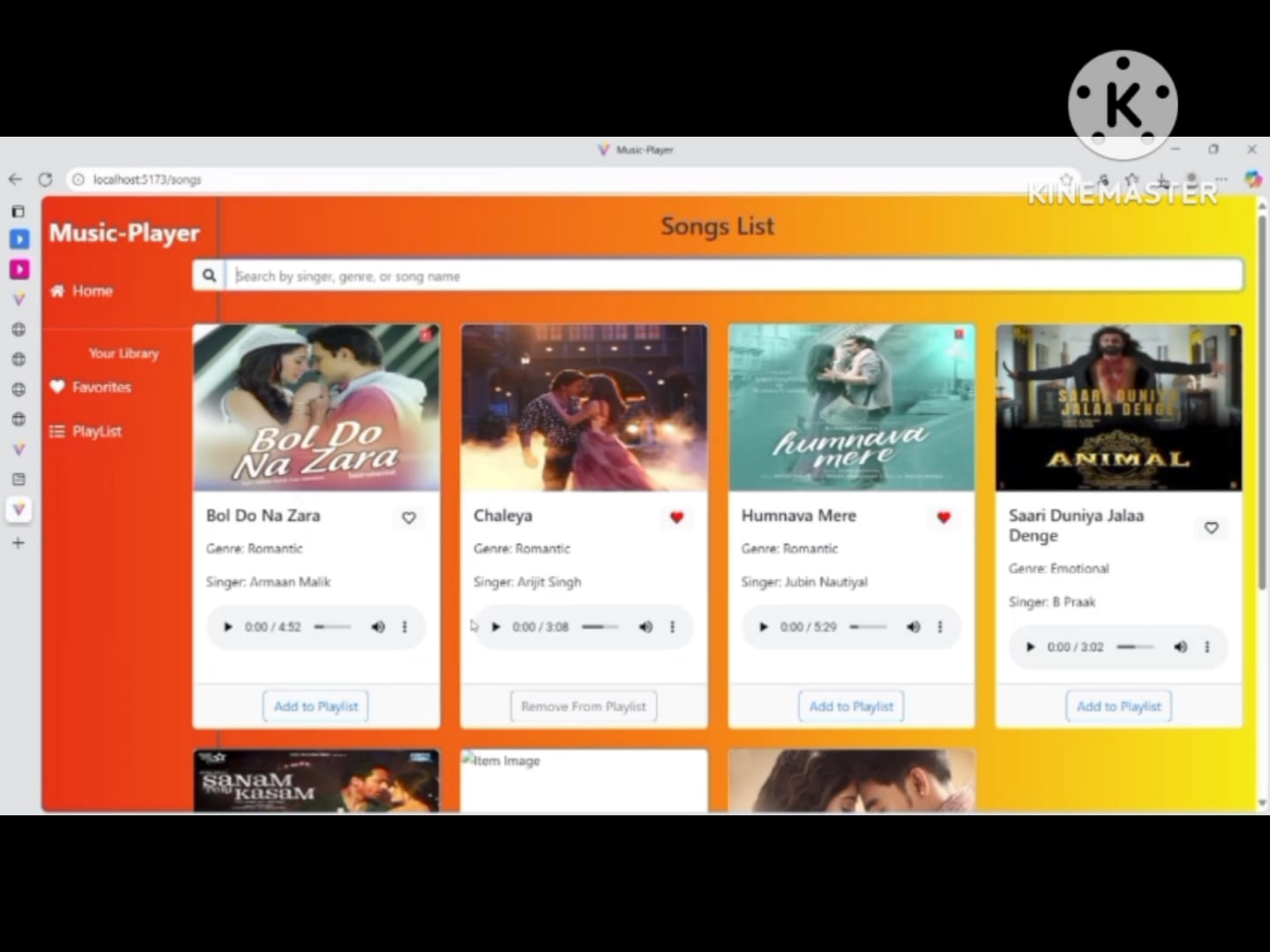
**9. Licensing & Pricing**

* **Core app: free to download with basic features.**
* **Premium features unlocked via in‑app purchase. Includes polyrhythmic metronome, dark mode, ability to play in background etc.**
* **Pricing depends on region. Example: India premium ~ ₹1,499.**

**10. Conclusion**

**Rhythmic is a good utility app for musicians who need reliable metronome and tuner in one place, especially if interested in rhythm practice beyond basic beats. Its simplicity and design are strong pluses, though power users may wish for more advanced features like export, more tracks, cross ‑ platform.**

**11. Screenshots or demo:**

****