# Iteration 0

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- o **BS-DS(D)**
- o **Module-1**

# Title:

LRT GUITAR'S

# TYPE:

ANDROID APP

# PROBLEM STATEMENT:

Existing guitar and music apps are unable to fully satisfy the needs of musicians and guitarists. A guitar tuner, chord libraries, progressions, scales, metronomes, and song libraries are just a few of the capabilities that users must download separate apps for due to the lack of connectivity in these applications. As a result, there is wasted use of storage space and a disjointed user experience.

To solve this problem, we want to create a guitar and music software that unites all these crucial functions into a single, unified platform. Users will enjoy the convenience of having access to a guitar tuner, chord libraries, progressions, scales, metronome, and song libraries—all in one small, space-saving programmer.

Our software will revolutionize how artists interact with music on their devices by providing a streamlined solution, eliminating away with the need for several apps and maximizing storage effectiveness.

# Features:

- **Guitar Tuner:** A tool to ensure your guitar is perfectly in tune, helping you achieve accurate and harmonious sound.

- **Chord Libraries:** Collections of chord diagrams and finger placements for easy reference when playing various chords on the guitar.

- **Progressions, Scales:** Resources for learning and practicing chord progressions and musical scales to enhance your playing skills and creativity.

- **Metronome:** A timing device to maintain a consistent tempo while practicing or performing music.

- **Song Libraries:** A repository of songs, tabs, or sheet music for musicians to learn and play their favorite tunes.

# PROJECT PLAN:

## A)

| ITERATION | MODULE | DELIVERABALES | FEATURES |
|---|---|---|---|
| 1 | Module 1 | Implement Basic UI | <ul><li>Guitar Tuner</li><li>Buy-Sell</li></ul> |
| | | Data Base Integration | <ul><li>Metronome</li></ul> |
| | | Login Functionality | |

| 2 | Module 2 | Enhanced UI based on feedback | • Chords Libraries<br>• Tabular View |
| | | Implement core application logic | • Scales<br>• Progression |
| | | User management features | • Composition |
| 3 | Module 3 | Optimized Performance and security | • Music Theory |
| | | Fine tune user experience | • Ear-Training Game |
| | | Final testing and bug fixes | • Lessons<br>• Game Mode |

# B)

| NAMES | ROLE |
|---|---|
| Rafia Khan (22i-2054) | Developer<br>Designer<br>Requirement Engineer<br>Tester |
| Laiba Mazhar (22i-1855) | Developer<br>Project Lead<br>Tester |
| Tashfeen Abbasi (22i-2041) | Developer<br>Architect<br>Requirement Engineer<br>Tester |

# Guitar Tuner

Twelve-string Guitar

Acoustic Guitar

Electric Guitar

Coming Soon

Color

Add to Cart