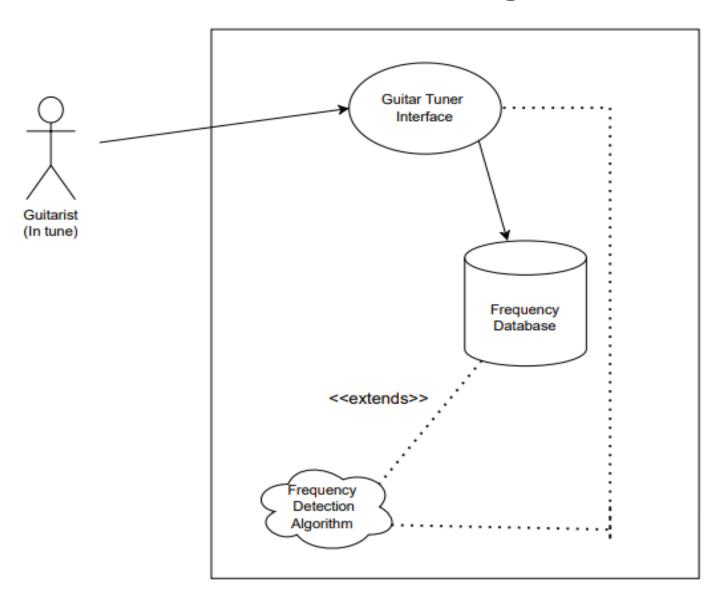


UML SEQUENCE DIAGRAM

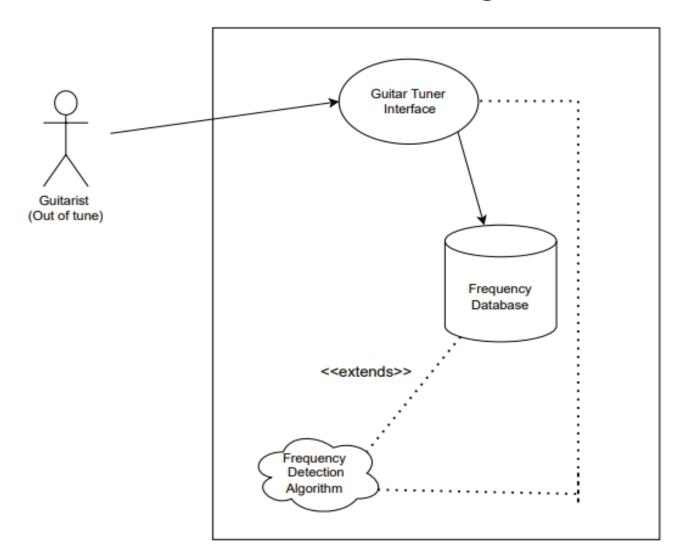
Use case Diagram 1



USE CASE SCENARIO 1 (IN TUNE)



Use case Diagram 2



USE CASE SCENARIO 2 (OUT OF TUNE)



TEST CASE SCENARIOS

- George is a hobbyist musician who does not want to buy a dedicated guitar tuner. He uses StringsSense instead to tune his guitar. Upon opening the app, he has the option to start tuning by pressing a button. This activates his phone's built-in microphone to start recording the sound of him plucking a guitar string.
- When George plays into the microphone, **StringsSense** extracts the frequency data from the audio input and consults a frequency-to-pitch table to find the note closest to the one the microphone received. When **StringsSense** finds that note, it shows George a color-coded indicator of how close he was to that note.



TEST CASE SCENARIOS

