**OOP Mini-Project Requirements**

**Title of Project:** Guitar Simulator

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**The Aims of The Project**

* The first aim is to create a functional simulator of a guitar that plays the real notes of a guitar from open strings to fret 5
* The next aim is to allow the user to select the genre of music they enjoy which in turn allows the guitar to change its tone.
* The following aim is to allow the user to select their tuning of the guitar which allows the guitar to change all string sounds to represent a real life guitar with its tuning changed.
* The fourth aim is to allow the user to record audio through an input connected to users PC through implementing the JFx Library and allow the user to open previously recorded files through serialization
* Another aim is to allow the user to get information on a guitarist based on their genre choice
* The final aim is to generate a random riff from a song based on the genre and out of 3 different possible songs and allow the user to stop and play the song