

# **EsAC to Clay: Significant Issues Encountered**

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## **Significant Issues Encountered**

This program was taxing in several ways. Firstly, I had no idea where to start with the parsing of bars and such, nor how to keep track of the distance from the tonic. In the end, I decided to keep each note semi-invariant in order to keep things organized. This makes for messy, but correct, Clay code.

Another issue I came across was the sharp and flat notations. I was stumped on how to play these notes within a major scale until it was explained in class one day. Then it was trivial to implement.

The changing of octaves with the + and – symbols was tricky, but in the end I got that working. I basically kept a static counter of octaves and worked from there.

Reading from the web was an interesting issue, but easily solved thanks to the availability of the Java API.

The last major hurdle was creating the jar file. I had never made a jar file before, and this was a very informative learning process.