

For my project, I'd like to create a digital instrument that anyone can play, regardless of their musical background. My tentative plan is to make an X/Y grid that users can interact with and, depending on their position, the program will create a unique sound. I'd like to first get this feature working and then start adding more grids accordingly. For example, there might be a grid dedicated to the melody, a grid dedicated to the harmony, and a grid dedicated to the rhythm. The key, however, will be making sure that the sounds produced by these grids automatically work together (ensuring they are in the same key, same BPM, etc.) I'd also really like for the program to allow multiple people to interact with it at once.