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| <p>The system provides the pianist with auditory assistance on his/her playing within 100 ms.</p> | <p>Players will hear the song selected play while they are practicing the piano. This vocal cue allows for the users to “hear” if they are playing the notes on beat.</p> <ul style="list-style-type: none">● <u>Analysis</u>: A timer will be used to compare the length of how long the song was playing with the length of the actual song. |
| <p>The system is designed to have less than 100 ms of latency between the user and the system.</p> | <p>Players will be able to view/play/feel/listen to all of the systems synchronously.</p> <ul style="list-style-type: none">● <u>Inspection</u>: Surveys will be conducted to gather user experience on the latency between the systems. |
| <p>The gloves have a range of at least 5m.</p> | <p>After choosing all the settings on the user menu, the player will be able to move at least 5 meters away from the computer with the gloves and will still be able to play the piano.</p> <ul style="list-style-type: none">● <u>Demonstration</u>: Each member will test the maximum distance they can move away from the computer to gather average maximum distance. |
| <p>The gloves have a battery life of at least 1 hour.</p> | <p>The system will be able to continuously play for roughly 60 minutes without issues.</p> <ul style="list-style-type: none">● <u>Inspection</u>: Variety of songs will be played for an hour to see if the battery is still powered. |