|  |
| --- |
| Brian  Simple/Common terminology  Not too difficult  Easy to train  Algorithms that improve mixing more than two kinds of style of music  Share the results with friends  feedback from other users  Standardized output  Store and organize results  Generate mood hashtags for further mixing of data(sound)  A function to target a demographic  Functions that differentiate rhythm lines or melody lines which the DJs prefer. |
| Brandon  The ability to make something new  Music fits well together  The ability to change the results of suggested new tracks  Creation should sound good  The ability to choose how much the algorithm adheres to musical rules  The algorithm should be transparent about the how to suggested tracks are being selected  The results should be quick  The ability to feel creators block resolved  The ability to satisfy the thirst for creation |
| Mason:  Large dataset  Accepts different libraries of music  At-a-glance  Does not interfere or assume control.  Improves workflow  Narrow down options  Encourage exploration  Suggest rarely used pieces?  User has autonomy & final say.  Alternative suggestions if primary is rejected?  Provide multiple suggestions, or 1 when set.  Ideally overlay with existing tools (a corner popup on a phone, a notification, an overlay, or an extension of an app?)  Sorting algorithm for user input, if automatic suggestion is not adequate.  Playback when asked?  Load/save songs in current workspace?  Navigates to song location for access  User must be able to visit, move, manipulate & access a track the moment they accept a suggestion.  Should feel seamless, and not disrupt workflow. Or easy transition  Fast  Other recommendations given no music input (search/filter criteria)  Reliable recommendations.  Future suggestions assuming previous suggestions are accepted? Plans ahead?  Option to reject tracks for consideration? Ie: don't show me this again.  Factor suggestions/preferences from user or audience. Adjust outcome weights given said suggestions.  Low-medium ceiling app, this should require little user input.  Simple UI |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| User Interface | Usability | Search/Filter | Suggestions | Utility |
| At-a-glance  Simple UI  does not disrupt workflow.  easy transition from app  Simple/Common terminology  Transparency in decision making process  seamless  Overlay with existing tools | Not too difficult  Does not interfere or assume control.  User has autonomy & final say.  Easy to access a suggested track  Low-medium ceiling app, this should require little user input.  Option to omit tracks from consideration? | Narrow down options  The ability to change the results of suggested new tracks  Sorting methods from set user criteria  The results should be quick  The ability to choose how much the algorithm adheres to musical rules | The results should be quick\*  Large dataset  Reliable recommendations.  Easy to train  Inspirational to be creative  Alternative suggestions if primary is rejected?  Provide multiple suggestions, or 1 when set.  Accepts different libraries of music  Future suggestions assuming previous suggestions are accepted? Plans ahead?  Algorithms that improve mixing more than two kinds of style of music  Music fits well together  Suggest rarely used pieces?  Share the results with friends  feedback from other users | Improves workflow  Standardized output  Playback when asked?  Load/save songs in current workspace?  Store and organize results  Generate mood hashtags for further mixing of data(sound)  A function to target a demographic  Encourage exploration  Functions that differentiate rhythm lines or melody lines which the DJs prefer.  Voting/Weight from user/audience input. |

User stories

Mason: As a DJ, I keep a sizable library of songs/tracks as I mix live on stage. This is my personal playlist, but I usually need to recall a track, or search for one before mixing. It would help if something could eliminate songs I know I would not or could not mix. Therefore, I run the sound-byte app on the side, during my shows. While I play my first track, It suggests something that might mix well according to music standards & my tastes. I sometimes don’t like the suggestion, and pass - but it's nice having something to boost inspiration.

As a hobbyist, I am steadily growing my library of tracks. However, there aren’t many ways to find music based on track features. For instance, bpm + genre. I wouldn’t mind using a specialized search engine, which might even suggest complementary pairs as I seek inspiration. Therefore, I use the soundbyte app to explore songs meeting my parameters, as well as ideal combinations of them.

I mix music from home, but struggle to get my inspirational juices flowing. I use the soundbyte app for suggestions as I try to spur my muse. While I may not always go with the suggestion, the app may help me head a certain direction/vibe.

Brian: As a hoviest of mixing music like a DJ, Brian uses the application which is trained by the user’s preference and generates preferable sound clips helping him to share his musical ideas with his friends.

Brandon:

As a music creator I want to be able to explore new music to mash up and make covers of. Suggested tracks from spotify, youtube and google music are good but they are always similar to music that I already listen to. I want to be able to curate my results so that I may find something that I have never heard of before.

As an MC of an event or function I want to make sure the patrons enjoy their time whilst I'm hosting. One way to ensure this happens is to compose my setlist including some crowd favorites. It would be useful if i could take a quick visual survey of the average age of the event and have a list of songs that tend to be popular with that demographic. Usually this would take a few minutes of research which is valuable time on the fly.