

## Task Centered Design Walkthroughs

Micheal is a university student. He's studying and wants to find music that will help him focus. He knows that he wants relaxed music, so he starts by looking through his music library for a chill song. He finds John Lennon's Imagine, which is ideal, and sets the system to keep playing songs with a similar tempo. After 45 minutes, he finds the playlist has become too slow, but earlier songs were perfect. He looks at his music history and finds that a previous song was Billy Joel's Piano Man. He then begins playing songs with similar themes and tempo to Piano Man. As he's finishing studying, he finds himself listening to a new song he really enjoys and adds it to his library before closing the app.

Description of Task Step	Does the user have the knowledge to do this step?	Is it believable that they would do it? That is, are they motivated?	Comments (including possible solutions)
Type in username and password to log in to app	Yes, it's a relatively standard login procedure	It may be a hassle to log in every time, however a stay signed in option should mitigate that	
Select "Go to my Library" on the first splash screen	Yes, however explore seems like it may create confusion for the user	Yes	May need to rename that text box to "Discover new music" or something to make it more distinct that it's the explore mode
Navigate the tag bubbles to look for a category that would be "chill"	Probably given that specific tag bubbles would be configured by him, however it may be hard for him to remember exactly which tags are "chill"	The user may be become tired of searching through tagged bubbles and simply navigate normally	Specific colour tagging should help him remember the mood he associated with tags. Tag bubbles may need to be layout out more efficiently to minimize scanning time
Once he's found the tag group that he finds chill, he selects the song	With just the art displayed initially, it may be hard for him to remember which song is which especially if there are songs from the same	Yes	Finding a way to integrate song names into the interface would be nice (and somehow avoiding clutter)

	album		
Select the option box on the song window and then find the “find similar songs” on the options screen	Probably not, it’s not obvious that finding like songs would be song options rather than say the “add” menu and “find similar songs” may not lead directly to the explore mode mentally	If they’re in a rush, they may become frustrated finding the right option and instead go directly to the explore mode	Seems relevant enough to have it’s own button on the song window
Go to the drop down menu and select exploration controls and within that confirm that favour similar bpm is selected (skippable)	Bpm may not be universally well known and the drop down menu isn’t clearly marked, so they may miss that it exists	They’re really gone through several screens, so they may be getting tired at this point	Dropdown should have a symbol to show that it exists. Use tempo instead of “bpm” or something similar
Let the songs autoplay for a bit	They may not know that they can let songs autoplay and that they must select songs	Yes	Indicate a playing next song?
When he wants to go back to a different song, go to the dropdown and select my exploration	Again dropdown may be missed. My exploration should be generally understand, but may still create confusion	Yes	Same as previous step on dropdown
Find a song that was good and select it	May be difficult to remember which song was good without a preview.	Hitting the song looking for a preview and changing the exploration would be frustrating	Add a specific preview button as well making a confirmation for a “go to song” may help mitigate these issues
Autoplay Again	Same problems as previously	Yes	Do they understand how to manually select a song?
Hit the + button	It’s not clear what the + button is adding to	They may get frustrated looking for the add option that	Label the button

		they just give up	
Select "Playlist" and the playlist itself	Yes	Yes	This interaction seems familiar enough. Although there may be confusion about whether adding to a playlist also added to library

Harry has an extremely large and diverse music library, with self-made playlists that are poorly organized and frustrating to browse. He wants to create new playlists that follow more clearly defined parameters and themes. He tells the system to auto-generate a playlist based on certain tags, a language, and a decade. He deletes songs he no longer likes from his library to declutter his collection as he creates fresh, updated playlists.

Description of Task Step	Does the user have the knowledge to do this step?	Is it believable that they would do it? That is, are they motivated?	Comments (including possible solutions)
Type in username and password to log in to app	Yes, it's a relatively standard login procedure	It may be a hassle to log in every time, however a stay signed in option should mitigate that	
Select "Go to my Library" on the first splash screen	Yes, however explore seems like it may create confusion for the user	Yes	May need to rename that text box to "Discover new music" or something to make it more distinct that it's the explore mode
Go to the drop down menu and select playlists to display all the user's playlists	Yes, but the drop down menu and playlist option inside it aren't clearly marked, so they may miss that it exists	Yes	Dropdown should have a symbol to show that it exists.
Go to the + button in the top right corner and select Smart New Playlist from the	Yes, + usually indicates an option to add items and the button is in a logical	Yes, people want to make new playlists	May want to include a tooltip, label, or walkthrough tutorial that specifies this

dropdown menu	and visible place on the screen		functionality
Enter new playlist's title (80s English Classic Rock) into Playlist Title text box	Yes, the instructions and filler text are very clear	Yes, people want to customize the names of their playlists	
Select tags that describe the playlist from the available tags (Classic Rock)	Yes, the example tags and the More Tags option are clear visual cues	Yes, though adding all the possible tags that describe a playlist may become tedious	As the user picks tags, the visible tag options could change to suggest more relevant options
Go to Song Language filter and select English from the available options	Yes, the Song Language option is visible and straightforward to understand	Yes	May want to set the default language to English instead of All Languages because this seems more intuitive
Go to Time Period filter and enter 1980 in the Since text box and 1989 in the To text box	Yes, the options are straightforward	Yes, though this may not be relevant for many playlists	
Click Done at the bottom of the playlist creation menu, which automatically brings the user back to view all their playlists	Yes, it is logical to click Done when a person is finished entering their playlist specifications	Yes	
Select Workout Beat playlist from the collection of playlists to see the songs it contains	Yes, it is obvious that you must select a playlist to view its songs	Yes, people want to easily see the songs in a playlist	
Select a song to reveal options (move, link, remove)	Yes, it seems intuitive that clicking a song would reveal more information and/or options	Yes, people want to edit and change songs in their playlists	Move and Link are somewhat vague terms and their functions may not be obvious
Select remove and choose to remove the	Yes, the options available are	Yes, people want to be able to easily	

song from the user's library	standard and straightforward	delete a song from their library but have the option to cancel	
------------------------------	------------------------------	--	--

**Chad is a college student and is hosting a party at his dorm room as he called all his friends and floor mates to join him. In order to make the party a success, he decides to create a new playlist for the party. He and his friends only enjoy the music of this generation so he downloads the MusicSurf app to create a playlist for him.**

<b>Description of Task Step</b>	<b>Does the user have the knowledge to do this step?</b>	<b>Is it believable that they would do it? That is, are they motivated?</b>	<b>Comments (including possible solutions)</b>
Open the app and log in with username and password.	Yes, it's a relatively standard login procedure	An auto-login would reduce the hassle of logging in	
Select "Go to my Library" on the first splash screen.	Yes but the Explore menu may create confusion for the user	Yes	Library is the first screen the user sees after they log in
Go to the drop down menu and select playlists to view his current playlists.	Yes but the user may miss that it exists as its not marked clearly	Yes	The drop down menu should have icons to show that this exists or there should be a "create a playlist" shortcut in the Explore menu
Select a playlist to modify or press the "+" icon on the top right corner to create a Smart New Playlist	Yes, "+" is a convention to add and the user wants to make a playlist for his party	Yes	
Enter a name for the playlist into the prompted text box (Party).	Yes	Yes	
Select tags that describe the playlist.	Yes, a list of suggested tags appear along	Yes, the user would want to have a way to find and organize their playlists	Able to show more relevant tags or a way to search for tags
In this list of filters,	Yes	Yes	Set the language to

select English and Spanish from the available options			English by default or set the language to the user's preferences when he creates an account, where the user is prompted to set a default language
Select the era of music that would be added to the playlist from, in this case from 2000 to 2019.	Yes, the dates and filler text are easy to understand	Yes, it helps the user narrow their search	
Click "Done" at the bottom of the menu, which will bring the user back to the playlists menu with the newly created playlist	Yes	Yes, as he is done creating his playlist	
The user selects the playlist he just created to see the songs automatically added to his playlist.	Yes, the use would expect clicking a playlist to display its songs	Yes	Instead of taking the user back to the playlist menu, ask the user if they want to see the playlist they just created or go back to the menu.
Click on a song in the playlist to play it and see the title and its artist.	Yes, clicking a song should play it and show additional information	Yes	A skippable guide to linking and unlinking songs in a playlist to determine their display order and location should be displayed when the user creates a playlist for the first time