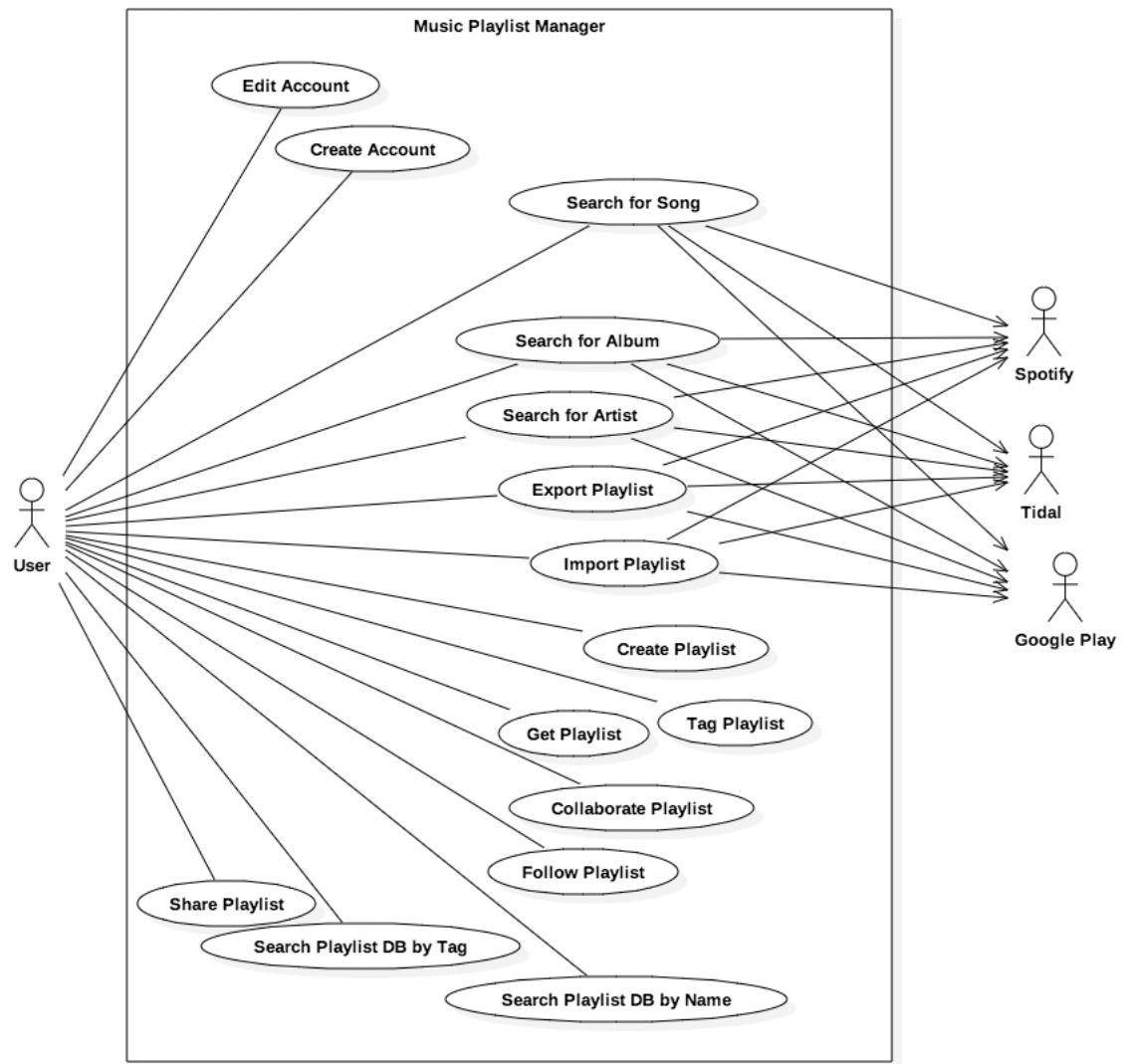


1. **Team:** Badam-Osor Khaltar  
Paul McCumber  
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2. **Title:** Music Playlist Manager
3. **Project Summary:** Sharing playlists of music between a large group of people can be difficult when everyone does not listen to music through the same service. This will allow people to create playlists in a generic format that can then be integrated into the user's service of choice.
4. **Project Requirements:**

Requirement ID:	Description
UC-01	Users can edit account
UC-02	Users can create account
UC-03	Users can search for song in a streaming service (Spotify, Tidal or Google Play)
UC-04	Users can search for album in a streaming service (Spotify, Tidal or Google Play)
UC-05	Users can search for artist in a streaming service (Spotify, Tidal or Google Play)
UC-06	Users can export playlist to a streaming service (Spotify, Tidal or Google Play)
UC-07	Users can import playlist from a streaming service (Spotify, Tidal or Google Play)
UC-08	Users can create a playlist
UC-09	Users can tag playlist
UC-10	Users can get playlist from other users
UC-11	Users can collaborate playlist
UC-12	Users can follow other user's playlist
UC-13	Users can search others playlists by name
UC-14	Users can search others playlists by tag
UC-15	Users can share playlists with other users

5. **Use Cases**
  - a. **Use Case Overview**



## 6. Use Cases

### b. Use Case Documents

<b>Use Case ID:</b>	UC-01		
<b>Use Case Name:</b>	Edit Account		
<b>Description:</b>	Users can edit accounts with the service		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have an account		
<b>Post-conditions</b>	Users account data is updated.		
<b>Frequency of Use:</b>	Once in a while		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	Select Edit Account from the menu	System responds with form to update email address and password.
	2	User enters email address and/or password	System sends a confirmation email to the email address provided.
	3		System responds with prompt indicating success and displays the main menu
<b>Variations:</b>			
<b>Exceptions:</b>	2. Error message: Invalid email address 2. Error message: Invalid password		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-02		
<b>Use Case Name:</b>	Create Account		
<b>Description:</b>	Users can create an account to use for our service		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>			
<b>Post-conditions</b>	Users will have an account. A confirmation email will be sent.		
<b>Frequency of Use:</b>	Once		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	Select Create Account from the menu	System prompts the user for a username, password, and email address.
	2	User enters username, password, and email address	System sends a confirmation email to the email address provided.
	3		System responds with prompt indicating success and displays the main menu
<b>Variations:</b>			
<b>Exceptions:</b>	Username or email already in use		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-03		
<b>Use Case Name:</b>	Search for Song		
<b>Description:</b>	Users can search for songs by name in a streaming service and add to playlists		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have an account. Users have at least one playlist created. Users have account with streaming service.		
<b>Post-conditions</b>	Playlist edited		
<b>Frequency of Use:</b>	As frequently as desired.		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User selects streaming service to search	System displays active streaming service
	2	User enters song title in song search window	System searches streaming service database for song title and responds with list of songs
	3	User selects desired song from search results list	System responds with list of playlists to which song can be added
	4	User selects playlist to add song	System adds song and returns to main menu
<b>Variations:</b>			
<b>Exceptions:</b>	No matching songs were found and system responds with "None found" and the main menu.		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-04		
<b>Use Case Name:</b>	Search for Album		
<b>Description:</b>	Users can search for albums by name in a streaming service and add to playlists		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have an account. Users have at least one playlist created. Users have accounts with streaming service.		
<b>Post-conditions</b>	Playlist edited		
<b>Frequency of Use:</b>	As frequently as desired.		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User selects streaming service to search	System displays active streaming service
	2	User enters album title in album search window	System searches streaming service database for album title and responds with list of albums matching search
	3	User selects desired album from search results list	System responds with list of playlists to which album can be added
	4	User selects playlist to add album	System adds album and returns to main menu
<b>Variations:</b>			
<b>Exceptions:</b>	No matching album were found and system responds with "None found" and the main menu.		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-05		
<b>Use Case Name:</b>	Search for Artist		
<b>Description:</b>	Users can search for artist by name in a streaming service and add to playlists		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have an account. Users have a least one playlist created. Users have account with streaming service.		
<b>Post-conditions</b>	Playlist edited		
<b>Frequency of Use:</b>	As frequently as desired.		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User selects streaming service to search	System displays active streaming service
	2	User enters artist name in album search window	System searches streaming service database for artist name and responds with list of songs or albums can be added
	3	User selects desired song or album from search results list	System responds with list of playlists to which songs or albums can be added.
	4	User selects playlist to add song or album	System adds song or album and returns to main menu
<b>Variations:</b>			
<b>Exceptions:</b>	No matching artist were found and system responds with "None found" and the main menu.		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-06		
<b>Use Case Name:</b>	Export Playlist		
<b>Description:</b>	Users can export their playlists to a streaming service.		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have an account.Users have a streaming service account. Playlist has content IDs for a streaming service.		
<b>Post-conditions</b>	Playlist is exported to a streaming service		
<b>Frequency of Use:</b>	Daily		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User selects "Export"	System displays "Spotify", "Tidal", "Google Play" for options.
	2	User selects "Spotify"	Playlist is exported to "Spotify"
	3		System displays "Export Successful" if the operation succeeded.
<b>Variations:</b>			
	2	User selects "Tidal"	Playlist is exported to "Tidal"
	2	User selects "Google Play"	Playlist is exported to "Google Play"
<b>Exceptions:</b>	System displays "Export Failed" if the operation fails.		
<b>Developer Notes:</b>			



<b>Use Case ID:</b>	UC-07		
<b>Use Case Name:</b>	Import Playlist		
<b>Description:</b>	Users can import their playlists from a streaming service.		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have an account. Users have a streaming service account. Users have a streaming service playlist.		
<b>Post-conditions</b>	Playlist is imported from a streaming service		
<b>Frequency of Use:</b>	Daily		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User selects "Import"	System displays "Spotify", "Tidal", "Google Play" for options.
	2	User selects "Spotify"	System connects to "Spotify" and returns a list of available playlists.
	3	User selects playlist to import	System imports the selected playlist and displays it.
<b>Variations:</b>			
	2	User selects "Tidal"	System connects to "Tidal" and returns a list of available playlists.
	2	User selects "Google Play"	System connects to "Google Play" and returns a list of available playlists.
<b>Exceptions:</b>	1. System displays "Connect Failed" if the operation fails. 2. System displays "Import Failed" if operations fails.		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-08		
<b>Use Case Name:</b>	Create Playlist		
<b>Description:</b>	Users can create playlist with the service		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in		
<b>Post-conditions</b>	Playlist created and associated with user		
<b>Frequency of Use:</b>	Once per playlist.		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	Select "Create Playlist"	System displays "Create Playlist" Menu
	2	User enters playlist name	System responds with menu and new playlist name displayed
	3		System creates playlist and associates it with user
	4	User exits "Create Playlist"	System responds with display of main menu
<b>Variations:</b>			
	2	User enters optional Description	System responds with menu and new Description displayed
<b>Exceptions:</b>			
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-09		
<b>Use Case Name:</b>	Tag Playlist		
<b>Description:</b>	Users can tag playlists based on style, genre, etc		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in and they have at least one playlist created		
<b>Post-conditions</b>	Playlist has at least one tag		
<b>Frequency of Use:</b>	Less than 10 times per playlist on average		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	Click “Tag Playlist”	System responds with page showing the current playlist tags and a list of available tags
	2	User selects a playlist and a tag	System associates selected tag with the playlist
	3		System returns to same state as Step 2 to allow for further tagging
<b>Variations:</b>			
<b>Exceptions:</b>			
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-10		
<b>Use Case Name:</b>	Get Playlist		
<b>Description:</b>	Users can get playlists from other users		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in. Other users have had to make the playlists shareable.		
<b>Post-conditions</b>	A playlist is added to the user's playlist		
<b>Frequency of Use:</b>	Daily		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	On viewing other playlists, user selects Get Playlist	System marks a link for the playlist for the current user.
	2	System displays the new playlist in the list of playlists for the user.	
<b>Variations:</b>			
<b>Exceptions:</b>			
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-11		
<b>Use Case Name:</b>	Collaborate Playlist		
<b>Description:</b>	Users can choose to make playlist collaborative so others can also edit it		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in and they have at least one playlist created		
<b>Post-conditions</b>	Playlist can now be edited by multiple users		
<b>Frequency of Use:</b>	Once per playlist		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	Click "Make Collaborative"	System marks the playlist as editable by others and displays status "Playlist is Editable by Others"
	2		System marks the playlist as searchable by other users.
<b>Variations:</b>	User can deselect the "Make Collaborative" flag		
<b>Exceptions:</b>			
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-12		
<b>Use Case Name:</b>	Follow Playlist		
<b>Description:</b>	Users can follow another users playlist and in so doing, the playlist shows in their list of playlists.		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	Users have is logged in. Other users have had to make the playlists "shareable".		
<b>Post-conditions</b>	Users now have another users playlist show up in their list of playlists.		
<b>Frequency of Use:</b>	Daily		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	On viewing a other's playlists, can click "Follow."	System marks a link for the playlist for the current user.
	2	On viewing a other's playlists, can click "Follow."	System displays the new playlist in the list of playlists for the user.
<b>Variations:</b>			
<b>Exceptions:</b>			
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-13		
<b>Use Case Name:</b>	Search Playlist by Name		
<b>Description:</b>	Users can search for a playlist by name		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in		
<b>Post-conditions</b>	User locates playlists with a given name.		
<b>Frequency of Use:</b>	Daily		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User enters playlist name into the playlist search bar	System searches the database and responds with playlists with the specified name.
	2	User selects a playlist	System displays selected playlist
<b>Variations:</b>			
<b>Exceptions:</b>	No playlist with the given name is found and the system displays "None Found"		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-14		
<b>Use Case Name:</b>	Search Playlist by Tag		
<b>Description:</b>	Users can search for a playlist by tag		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in		
<b>Post-conditions</b>	User locates playlists with a given tags.		
<b>Frequency of Use:</b>	Daily		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User enters tags into the playlist search bar	System searches the database and responds with playlists with the specified tag.
	2	User selects a playlist	System displays selected playlist
<b>Variations:</b>			
<b>Exceptions:</b>	No playlist with the given tag is found and the system displays "None Found"		
<b>Developer Notes:</b>			

<b>Use Case ID:</b>	UC-15		
<b>Use Case Name:</b>	Share Playlist		
<b>Description:</b>	Users can create a hyperlink to a playlist to share		
<b>Actors:</b>	Users		
<b>Pre-conditions</b>	User is logged in and they have a least one playlist created		
<b>Post-conditions</b>	A unique hyperlink is created and the playlist is searchable		
<b>Frequency of Use:</b>	Once per playlist		
<b>Flow of Events:</b>		<b>Actor Action</b>	<b>System Response</b>
	1	User selects "Share Playlist"	System responds with hyperlink
	2	System marks the playlist as "shareable" by other users.	
<b>Variations:</b>			
<b>Exceptions:</b>			
<b>Developer Notes:</b>			