Table 1: User Requirements

ID	Description	Priority
UC-01	Users can create account	High
UC-02	Users can create a playlist	High
UC-03	Users can search database for song title, album title, artist, and playlist name	High
UC-04	Users can add songs to playlists	High
UC-05	Users can add albums to playlists	Medium
UC-06	Users can view artists and selects songs or albums from artist to add to a playlist	Medium

Use Case ID:	UC-01		
Use Case Name:	Create Account		
Description:	Users can create an account to use for our service		
Actors:	Users		
Pre-conditions			
Post-conditions	Users will have an account. A confirmation email will be sent.		
Frequency of Use:	Once		
Flow of Events:		**Actor Action**	**System Response**
	1	Enter email, username, and password	
	2	Click "Sign Up"	Hash and store information
	3		Send confirmation email
Variations:			
Exceptions:	Username or email already in use		
Developer Notes:			

Use Case ID:	UC-02	
Use Case Name:	Create Playlist	
Description:	Users can create a new playlist	
Actors:	Users	
Pre-conditions	User is logged in	
Post-conditions	A new playlist is created	
Frequency of Use:	Less than 10 times a day on per user on average	
Flow of Events:		**Actor Action**	**System Response**
	1	Click "New Playlist"	Opens new playlist dialog
	2	Enter name	
	3	Enter optional description	
	4	Click "Done"	New playlist is associated with user
Variations:		
Exceptions:		
Developer Notes:		

Use Case ID:	UC-03	
Use Case Name:	Find song	
Description:	Users can search a database of songs to add to their playlists	
Actors:	Users	
Pre-conditions	User is logged in and they have a least one playlist created	
Post-conditions	A song is added to a playlist	
Frequency of Use:	Up to hundreds of times a day per user	
Flow of Events:		**Actor Action**	**System Response**
	1	Enter song into search bar	Searches database to find matching result
	2	Choose playlist to add song to	Song is added to playlist
Variations:		
Exceptions:		
Developer Notes:		

Use Case ID:	UC-04		
Use Case Name:	Find album		
Description:	Users can search a database of albums to add to their playlists		
Actors:	Users		
Pre-conditions	User is logged in and they have a least one playlist created		
Post-conditions	An album is added to a playlist		
Frequency of Use:	Up to hundreds of times a day per user		
Flow of Events:		**Actor Action**	**System Response**
	1	Enter album into search bar	Searches database to find matching result
	2	Choose playlist to add album to	Album is added to playlist
Variations:	Can choose subset of songs from album to add to playlist		
Exceptions:			
Developer Notes:			

Use Case ID:	UC-05		
Use Case Name:	Find artist		
Description:	Users can search a database of artists to add to their playlists		
Actors:	Users		
Pre-conditions	User is logged in and they have a least one playlist created		
Post-conditions	An artist's music is added to a playlist		
Frequency of Use:	Up to hundreds of times a day per usert		
Flow of Events:		**Actor Action**	**System Response**
	1	Enter artist into search bar	Searches database to find matching result
	2	Choose song or album from artist	
	3	Choose playlist to add song or album to	Song or album is added to playlist
Variations:			
Exceptions:			
Developer Notes:			

Use Case ID:	UC-06
Use Case Name:	Delete Song
Description:	Users can delete songs they have added to a playlist
Actors:	Users
Pre-conditions	User is logged in, they have a least one playlist created and a playlist is selected
Post-conditions	A song is deleted from playlist
Frequency of Use:	Up to hundreds of times a day per user

Flow of Events:		Actor Action	System Response
	1	User selects song	
	2	Clicks "Delete"	Remove song from playlist

Variations:	
Exceptions:	
Developer Notes:	

Use Case ID:	UC-07
Use Case Name:	Share playlist
Description:	Users can get link to playlist to share
Actors:	Users
Pre-conditions	User is logged in, they have a least one playlist created and a playlist is selected
Post-conditions	A unique link is created for the playlist
Frequency of Use:	Once per playlist

Flow of Events:		Actor Action	System Response
	1	Click "Share playlist"	Displays unique playlist link which user can copy

Variations:	
Exceptions:	
Developer Notes:	

Use Case ID:	UC-08
Use Case Name:	Make playlist collaborative
Description:	Users can choose to make playlist collaborative so others can also edit it
Actors:	Users
Pre-conditions	User is logged in, they have a least one playlist created and a playlist is selected
Post-conditions	Playlist can now be edited by multiple users
Frequency of Use:	Once per playlist

		Actor Action	System Response
Flow of Events:	1	Click "Make Collaborative"	Sets flag for playlist that it can be edited by someone other than the playlist owner

Variations:	Can also revoke a playlists collaborative features
Exceptions:	
Developer Notes:	

Use Case ID:	UC-09		
Use Case Name:	Tag playlists		
Description:	Users can tag playlists based on style, genre, etc		
Actors:	Users		
Pre-conditions	User is logged in, they have a least one playlist created and a playlist is selected		
Post-conditions	Playlist has at least one tag		
Frequency of Use:	Less than 10 times per playlist on average		
Flow of Events:		**Actor Action**	**System Response**
	1	Click "Tag Playlist"	Open tag search dialog
	2	User can browse or search for desired tag	
	3	Select tag	Tag added to playlist in database
	4	Steps 2 and 3 can be repeated	
Variations:			
Exceptions:			
Developer Notes:			

Use Case ID:	UC-10		
Use Case Name:	Search Playlist by Name		
Description:	Users can search for a playlist by name		
Actors:	Users		
Pre-conditions	User is logged in		
Post-conditions	User can view desired playlist		
Frequency of Use:	Daily		
Flow of Events:		**Actor Action**	**System Response**
	1	Enter playlist name into search bar	Searches database to find matching result
	2	User selects playlist	Playlist is displayed
Variations:			
Exceptions:			
Developer Notes:			

Use Case ID:	UC-11	
Use Case Name:	Search Playlist by Tag	
Description:	Users can search for a playlist by tag	
Actors:	Users	
Pre-conditions	User is logged in	
Post-conditions	User can view desired playlist	
Frequency of Use:	Daily	
		Actor Action	**System Response**
Flow of Events:	1	Enter tag into search bar	Searches database to find matching result
	2	User selects playlist from list	Playlist is displayed
Variations:		
Exceptions:		
Developer Notes:		

Use Case ID:	UC-12	
Use Case Name:	Follow Playlist	
Description:	Users can search for a playlist by tag	
Actors:	Users	
Pre-conditions	User is logged in and have searched for a playlist	
Post-conditions	User follows playlist meaning it will show up in their list of playlists	
Frequency of Use:	Daily	
		Actor Action	**System Response**
Flow of Events:	1	On viewing a playlists, can click "Follow."	Playlist now appears in users list of playlists
Variations:		
Exceptions:		
Developer Notes:		

Use Case ID:	UC-13		
Use Case Name:	Sync with Spotify Account		
Description:	User can sync with their Spotify account to facilitate exporting playlists		
Actors:	Users		
Pre-conditions	User is logged in		
Post-conditions	User's Spotify account is synced		
Frequency of Use:	Once		
Flow of Events:		**Actor Action**	**System Response**
	1	Click "Sync with Spotify"	Open dialog to enter Spotify username and password
	2	User enters Spotify username and password	Authenticates connection
Variations:			
Exceptions:	Spotify username or password are incorrect		
Developer Notes:			

Use Case ID:	UC-14		
Use Case Name:	Export playlist to Spotify		
Description:	User can export playlist to their Spotify account so they can listen to it on the Spotify streaming service		
Actors:	Users		
Pre-conditions	User is logged in and are viewing a playlist		
Post-conditions	User has successfully exported playlist into Spotify		
Frequency of Use:	Daily		
Flow of Events:		**Actor Action**	**System Response**
	1	Click "Export to Spotify"	Playlist is exported into Spotify format and added to users Spotify account
Variations:			
Exceptions:			
Developer Notes:			

Use Case ID:	UC-15
Use Case Name:	Sync with Google Play Music Account
Description:	User can sync with their Google Play Music account to facilitate exporting playlists
Actors:	Users
Pre-conditions	User is logged in
Post-conditions	User's Google Play Music account is synced
Frequency of Use:	Once

		Actor Action	System Response
Flow of Events:	1	Click "Sync with Google Play Music"	Open dialog to enter Google Play Music username and password
	2	User enters Google Play Music username and password	Authenticates connection

Variations:	
Exceptions:	Google Play Music username or password are incorrect
Developer Notes:	

Use Case ID:	UC-16
Use Case Name:	Export playlist to Google Play Music
Description:	User can export playlist to their Google Play Music account so they can listen to it on the Google Play Music streaming service
Actors:	Users
Pre-conditions	User is logged in and are viewing a playlist
Post-conditions	User has successfully exported playlist into Google Play Music
Frequency of Use:	Daily

		Actor Action	System Response
Flow of Events:	1	Click "Export to Google Play Music"	Playlist is exported into Google Play Music format and added to users Google Play Music account

Variations:	
Exceptions:	
Developer Notes:	

Use Case ID:	UC-17
Use Case Name:	Sync with Tidal Account
Description:	User can sync with their Tidal account to facilitate exporting playlists
Actors:	Users
Pre-conditions	User is logged in
Post-conditions	User's Tidal account is synced
Frequency of Use:	Once

		Actor Action	System Response
Flow of Events:	1	Click "Sync with Tidal"	Open dialog to enter Tidal username and password
	2	User enters Tidal username and password	Authenticates connection

Variations:	
Exceptions:	Tidal username or password are incorrect
Developer Notes:	

Use Case ID:	UC-18
Use Case Name:	Export playlist to Tidal
Description:	User can export playlist to their Tidal account so they can listen to it on the Tidal streaming service
Actors:	Users
Pre-conditions	User is logged in and are viewing a playlist
Post-conditions	User has successfully exported playlist into Spotify
Frequency of Use:	Daily

Flow of Events:		**Actor Action**	**System Response**
	1	Click "Export to Tidal"	Playlist is exported into Tidal format and added to users Tidal account

Variations:	
Exceptions:	
Developer Notes:	