

Requirement ID:	Description
UC-01	Users can create account
UC-02	Users can edit account
UC-03	Users can create a playlist
UC-04	Users can edit playlists
UC-05	Users can search database for song title
UC-06	Users can search database for album title
UC-07	Users can search database for artist
UC-08	Users can share playlists with other users
UC-09	Users can make playlists collaborative
UC-10	Users can tag playlists
UC-11	Users can search others playlists by name
UC-12	Users can search others playlists by tag
UC-13	Users can follow another playlist
UC-14	Users can export playlists into Spotify
UC-15	Users can export playlists into Google Play
UC-16	Users can export playlists into Tidal
UC-17	Users can import playlists from Spotify
UC-18	Users can import playlists from Google Play
UC-19	Users can import playlists from Tidal

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	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
Variations:			
Exceptions:	Username or email already in use		
Developer Notes:			

Use Case ID:	UC-02		
Use Case Name:	Edit Account		
Description:	Users can edit accounts with the service		
Actors:	Users		
Pre-conditions	Users have an account		
Post-conditions	Users account data is updated.		
Frequency of Use:	Once in a while		
Flow of Events:		Actor Action	System Response
	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
Variations:			
Exceptions:	2. Error message: Invalid email address 2. Error message: Invalid password		
Developer Notes:			

Use Case ID:	UC-03		
Use Case Name:	Create Playlist		
Description:	Users can create a new playlist		
Actors:	Users		
Pre-conditions	User is logged in		
Post-conditions	Playlist created and associated with User		
Frequency of Use:	Less than 10 times a day on per user on average		
Flow of Events:		Actor Action	System Response
	1	Select Create Playlist	System displays Create Playlist Menu
	2	User enters playlist Name	System responds with menu and new playlist name displayed
			System creates playlist and associates it with User
	3	User exits Create Playlist	System responds with display of main menu
Variations:			
	2	User enters optional Description	System responds with menu and new Description displayed
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 at 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:	Once per playlist		
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:	Share playlist		
Description:	Users can get link to playlist to share		
Actors:	Users		
Pre-conditions	User is logged in and they have a least one playlist created		
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-07		
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 and they have a least one playlist created		
Post-conditions	Playlist can now be edited by multiple users		
Frequency of Use:	Once per playlist		
Flow of Events:		Actor Action	System Response
	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-08		
Use Case Name:	Tag playlists		
Description:	Users can tag playlists based on style, genre, etc		
Actors:	Users		
Pre-conditions	User is logged in and they have a least one playlist created		
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-09		
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-10		
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		
Flow of Events:		Actor Action	System Response
	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-11		
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		
Flow of Events:		Actor Action	System Response
	1	On viewing a playlists, can click "Follow."	Playlist now appears in users list of playlists
Variations:			
Exceptions:			
Developer Notes:			

Use Case ID:	UC-12		
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-13		
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-14		
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		
Flow of Events:		Actor Action	System Response
	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-15		
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		
Flow of Events:		Actor Action	System Response
	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-16		
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		
Flow of Events:		Actor Action	System Response
	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-17		
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:			