

Use Case Template

Use Case ID:	2		
Use Case Name:	User Finds Songs		
Created By:	Steven Hou	Last Updated By:	Steven Hou
Date Created:	Oct 30 2016	Date Last Updated:	Oct 30 2016

Actors:	User, Spotify API
Description:	A user would want to expand one of his playlists by adding similar songs to it. After selecting one of the playlists, he can then choose the number of songs he wants to be added. The app will then return a list of songs matching the number he puts in.
Trigger:	User wants to find more similar songs to add to his existing playlist.
Preconditions:	<ol style="list-style-type: none"> 1. User has a Spotify account 2. Website has established a connection with the user's Spotify account 3. User has at least one playlist created 4. Website has displayed the user's playlist library
Postconditions:	1. A list of similar songs has been returned
Normal Flow:	User starts on the main display view -> User selects one of his playlists -> User types in the number of songs -> Uses Spotify API and last.fm to determine similar songs -> The webapp returns said number of songs similar to the original playlist
Alternative Flows:	User just wishes to find songs without a specific number
Exceptions:	Empty Playlist (no song in a playlist so the webapp cannot return similar songs)
Includes:	N/A
Priority:	High
Frequency of Use:	Multiple
Business Rules:	N/A
Special Requirements:	Internet connection, clean UI/UX
Assumptions:	User wants to add more similar songs in his Spotify playlists
Notes and Issues:	Also including Echonest API

Use Case Template

Use Case ID:	3		
Use Case Name:	Preview Songs		
Created By:	Steven Hou	Last Updated By:	Steven Hou
Date Created:	Oct 30 2016	Date Last Updated:	Oct 30 2016

Actors:	User, Spotify API
Description:	A user would want to listen to a preview of the song he wishes to add to the new playlist when the webapp returns a list of similar songs
Trigger:	User wishes to preview songs
Preconditions:	<ul style="list-style-type: none"> User is logged in A list of similar songs have been returned
Postconditions:	1. User has previewed all the songs he thinks he likes
Normal Flow:	User selects individual songs -> User selects the preview button -> Spotify API provides preview for song
Alternative Flows:	User can listen to the whole song instead of just a preview
Exceptions:	Songs Have no Previews (play entire song instead)
Includes:	N/A
Priority:	Medium
Frequency of Use:	Multiple
Business Rules:	N/A
Special Requirements:	Internet connection, clean UI/UX
Assumptions:	Before adding songs to the playlist, user would want to listen to part of the songs to confirm that he in fact likes these songs.
Notes and Issues:	Preview might happen on spotify app instead of web app

Use Case Template

Use Case ID:	4		
Use Case Name:	Add Selected Songs		
Created By:	Steven Hou	Last Updated By:	Steven Hou
Date Created:	Oct 30 2016	Date Last Updated:	Oct 30 2016

Actors:	User, Spotify API
Description:	After listening to previews of the songs returned by the web app, the user can select the songs he wishes to add to his existing playlist. He can select them individually by using the checkboxes, or click the “select all” button to check them all. The user can then add them to his existing playlist.
Trigger:	User likes the songs returned and wants to add them to his playlist
Preconditions:	<ul style="list-style-type: none"> User is logged in User has previewed the songs
Postconditions:	1. Web app previews the newly updated playlist with all the songs in it
Normal Flow:	User individually checks off the songs he wants -> user clicks add songs to playlist -> adds selected songs to the user’s playlist -> a preview of new playlist is shown
Alternative Flows:	User wishes to create a new playlist with the selected songs
Exceptions:	No Songs Selected
Includes:	N/A
Priority:	High
Frequency of Use:	Multiple
Business Rules:	N/A
Special Requirements:	Internet connection, clean UI/UX
Assumptions:	User likes at least one song he previewed
Notes and Issues:	N/A

Use Case Template

Use Case ID:	5		
Use Case Name:	Confirms Changes		
Created By:	Steven Hou	Last Updated By:	Steven Hou
Date Created:	Oct 30 2016	Date Last Updated:	Oct 30 2016

Actors:	User, Spotify API
Description:	A user wishes to confirm the changes that he made to his original playlists and save the changes to Spotify.
Trigger:	User wants to save the changes
Preconditions:	1. Web app previews the newly updated playlist with all the songs in it 2. User must be logged in
Postconditions:	1. Web app saves the changes and updates the user's original playlist permanently
Normal Flow:	User looks at preview and confirms changes -> User clicks confirm -> User's playlist is updated permanently
Alternative Flows:	User made a mistake and wants to reselect songs (go back to Use Case 4)
Exceptions:	N/A
Priority:	High
Frequency of Use:	Multiple
Business Rules:	N/A
Special Requirements:	Internet connection, clean UI/UX
Assumptions:	User wants to confirm the changes listed in the preview
Notes and Issues:	N/A

Use Case 2 Flow Diagram

