| **Use Case ID** | UC 18 |
| --- | --- |
| **Use Case Name** | User Search and Add to Playlist |
| **Author Name** | Nicholas Phan |
| **Primary Actor** | Customer |
| **Actor’s Goal** | The actor wants to search and find a song to add to their playlist. |
| **Business Value** | IMPORTANT |

## Description

The user will type into a text box and be given a list of songs related to the title entered. The user will then add that song to a playlist.

## Main Success Scenario

| **Step** | **Actor Action** | **System Response** |
| --- | --- | --- |
| **1** | User clicks on the search box | The system displays an in-progress search page. |
| **2** | User enters the title of a song | The system displays a list of songs relating to the input text. |
| **3** | The user right clicks a song. | A context menu is displayed. |
| **4** | User clicks on “add to playlist” button | The song checks to make sure the song does not exist in the playlist already. |
|  |  | The song is successfully added to the playlist |

## Alternative Success Scenario 1: Song already exists, add

**Trigger Condition**: The song already exists in the playlist and the user wants to add it an additional time.

| **Step** | **Actor Action** | **System Response** |
| --- | --- | --- |
| **1** | User clicks on the search box | The system displays an in-progress search page. |
| **2** | User enters the title of a song | The system displays a list of songs relating to the input text. |
| **3** | The user right clicks a song. | A context menu is displayed. |
| **4** | User clicks on “add to playlist” button | The song already exists in the playlist. |
| **5** |  | Prompt user to “add anyway?” |
| **6** | User clicks “add anyway” | The song is successfully added to the playlist |

## Alternative Failure Scenario 2: Song already exists, do not add

**Trigger Condition**: The song already exists in the playlist and the user does not want to add it an additional time.

| **Step** | **Actor Action** | **System Response** |
| --- | --- | --- |
| **1** | User clicks on the search box | The system displays an in-progress search page. |
| **2** | User enters the title of a song | The system displays a list of songs relating to the input text. |
| **3** | The user right clicks a song. | A context menu is displayed. |
| **4** | User clicks on “add to playlist” button | The song already exists in the playlist. |
| **5** |  | Prompt user to “add anyway?” |
| **6** | User clicks x on the prompt | The user is redirected to the search page |

| **Secondary Actors** | N/A |
| --- | --- |
| **Trigger Event** | User clicks on the search box. |
| **Precondition** | User is logged in. |
| **Frequency of Execution** | 10s of times a day per user or more. |
| **Success Criteria (optional)** | The user has found the song they are looking for and add it to a playlist. |
| **Development Cost** | AVERAGE |

## Non-Functional Requirements

The system should be able to display an in-progress search page in less than a second after each character is typed into the search box. It should also add the song to the desired playlist within 0.5 seconds.

## UML Activity Diagrams

