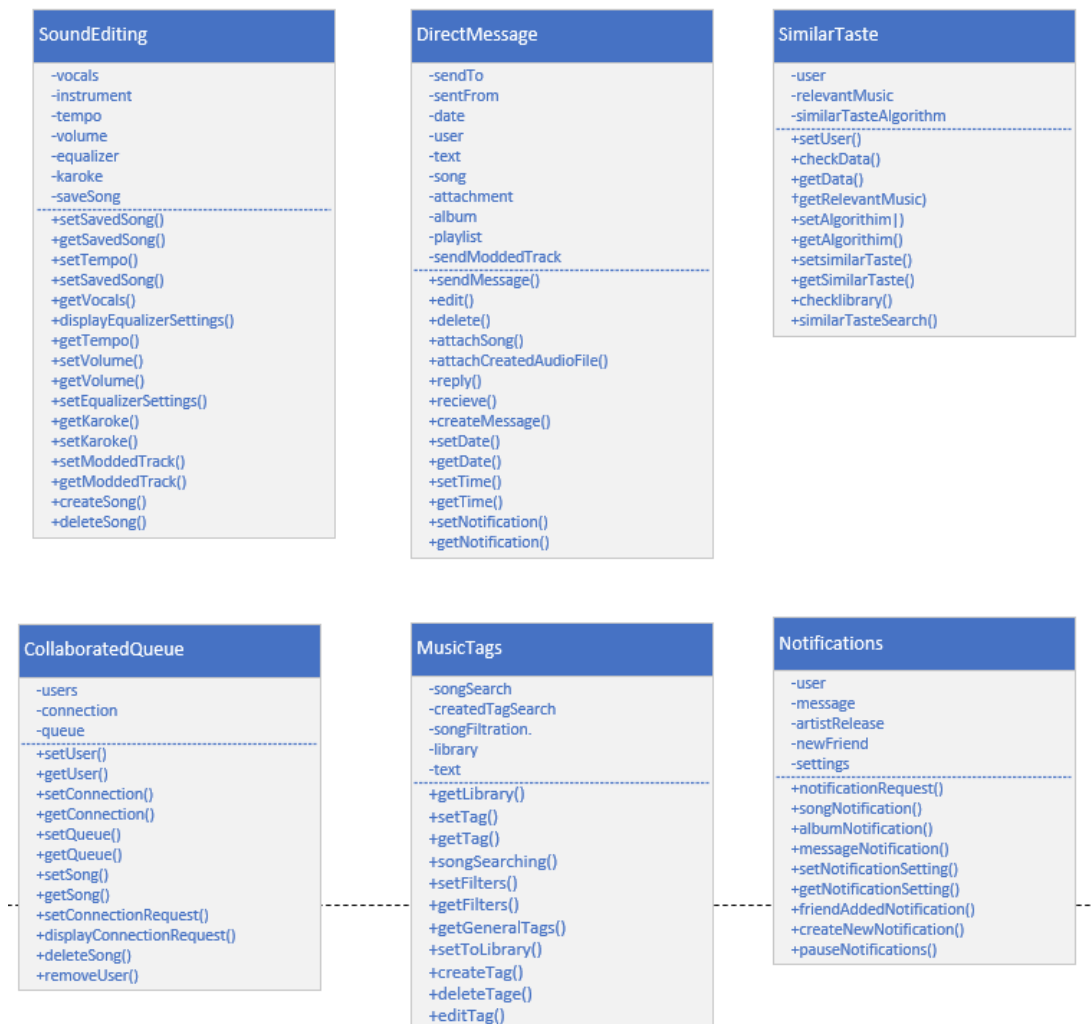


System Design Document

Introduction (YR):

This document's purpose is to give detailed information regarding each class in Spotify+. The design level class diagram depicts the attributes, methods, and pseudocode for each respective class. The object state charts display each class' potential "states" and how each feature becomes activated. The system sequence diagram depicts the primary interactions between the user and system, detailing each method and its input, as well as the Spotify+'s response to each user input.

Design Level Class Diagram(YR):



Pseudocode:

SoundEditing (RC):

Choose a song;
Press play button;
Turn master volume up to preferred volume;
Scroll down to find volume faders;
Move volume faders up or down;
Press the save button to keep the volume fader position;

DirectMessage (YR):

Select user to message;
Input text message into text field;
Attach song/playlist/lyrics to send to a user;
Send button appears, available to input;
If (send button clicked)
{
 system sends the message to selected user;
}
Else
{
 save message draft;
}

SimilarTaste (WG):

Select similar taste section;
Select desired song;
Song stream, play/skip/scroll button and song duration;

CollaboratedQueue (RC):

Click on the current song that is playing;
Scroll down and press Create Lobby;
Choose how many users can join;
Press create button;
Press the invite button;
Type the user/users name in the textbox;
Press send button;
Wait for users to join;
Add songs to queue;

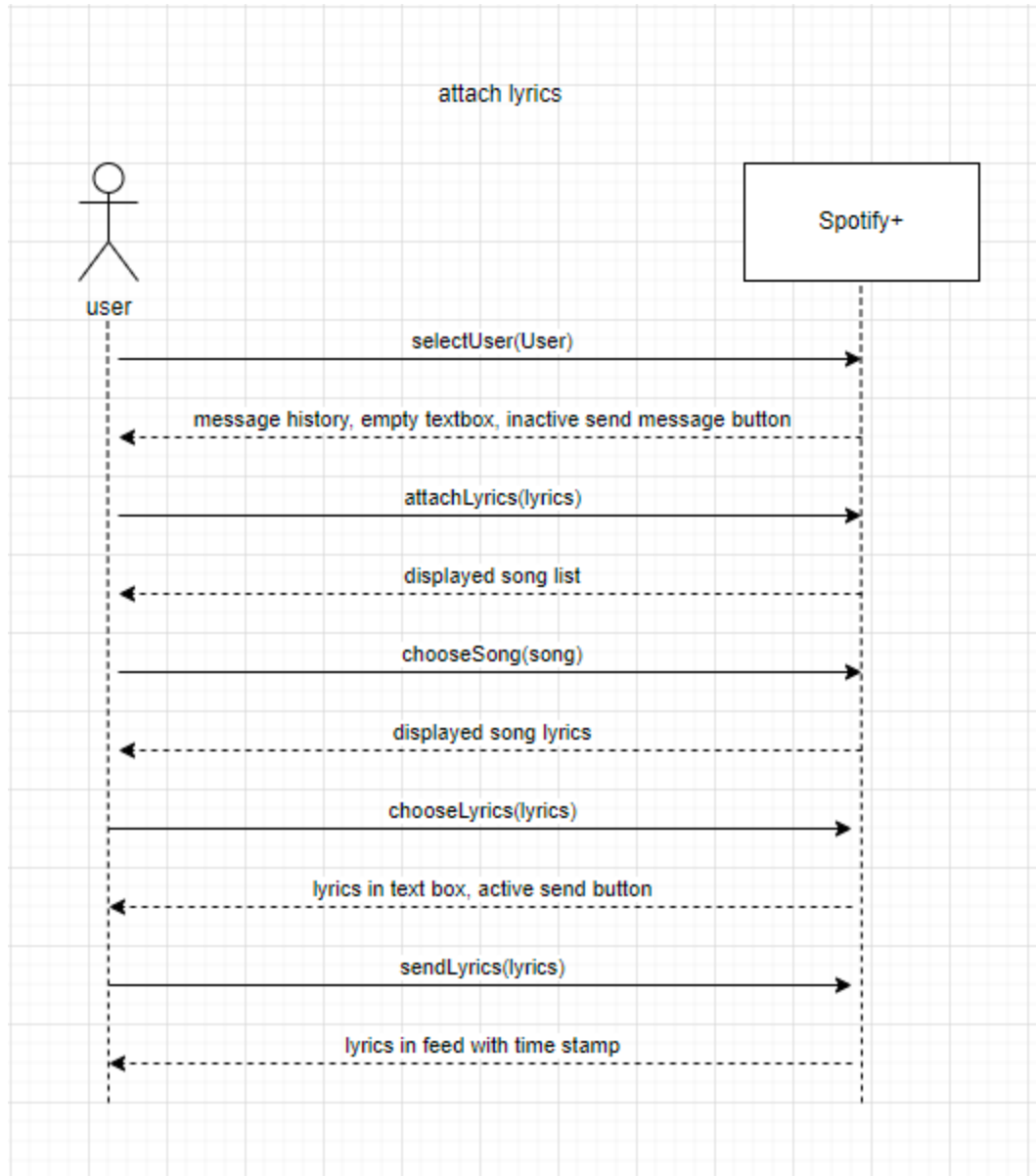
MusicTags (WG):

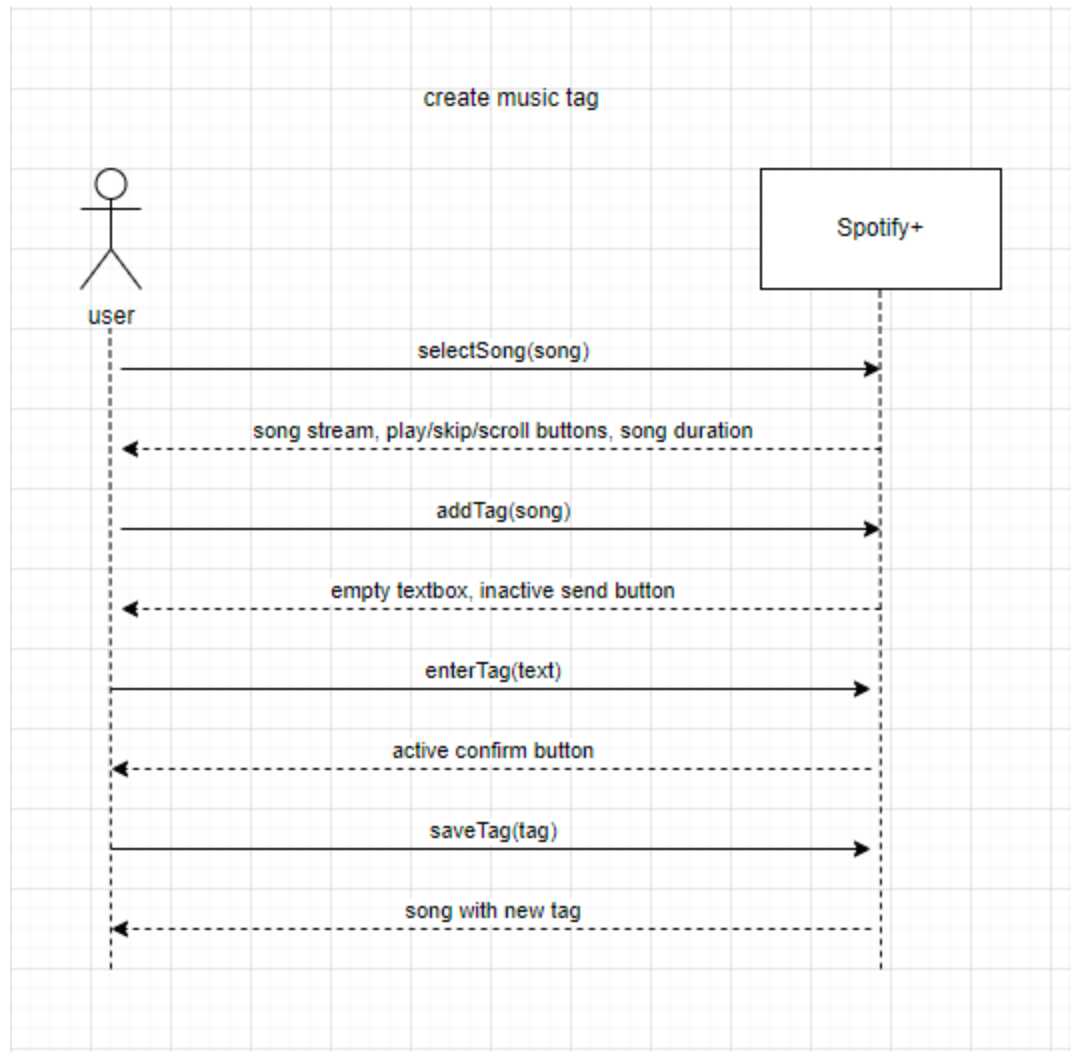
Choose a song;
Select “add tag” button;
Type a name into empty textbox;
Press activated save button;
Sort by created tags;

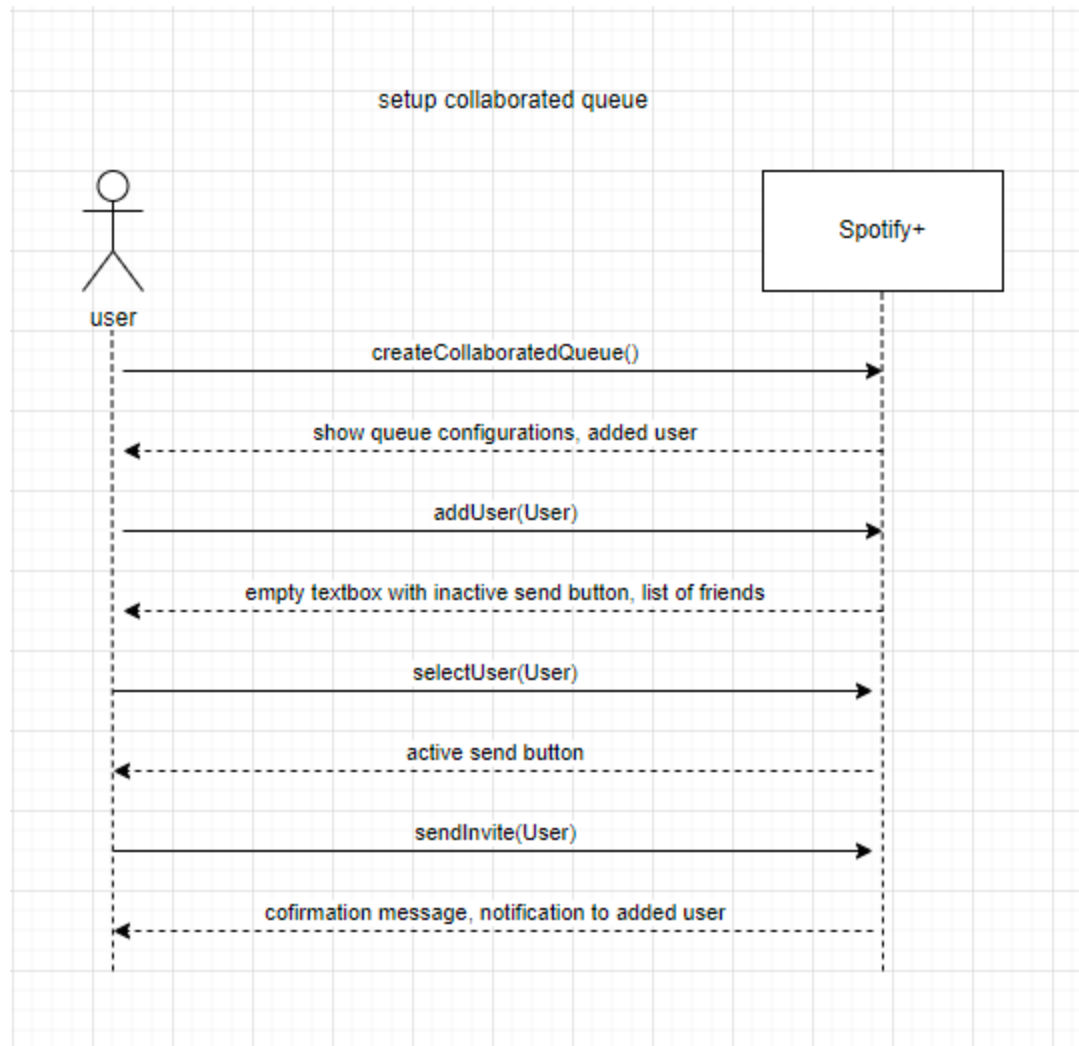
Notifications (YR):

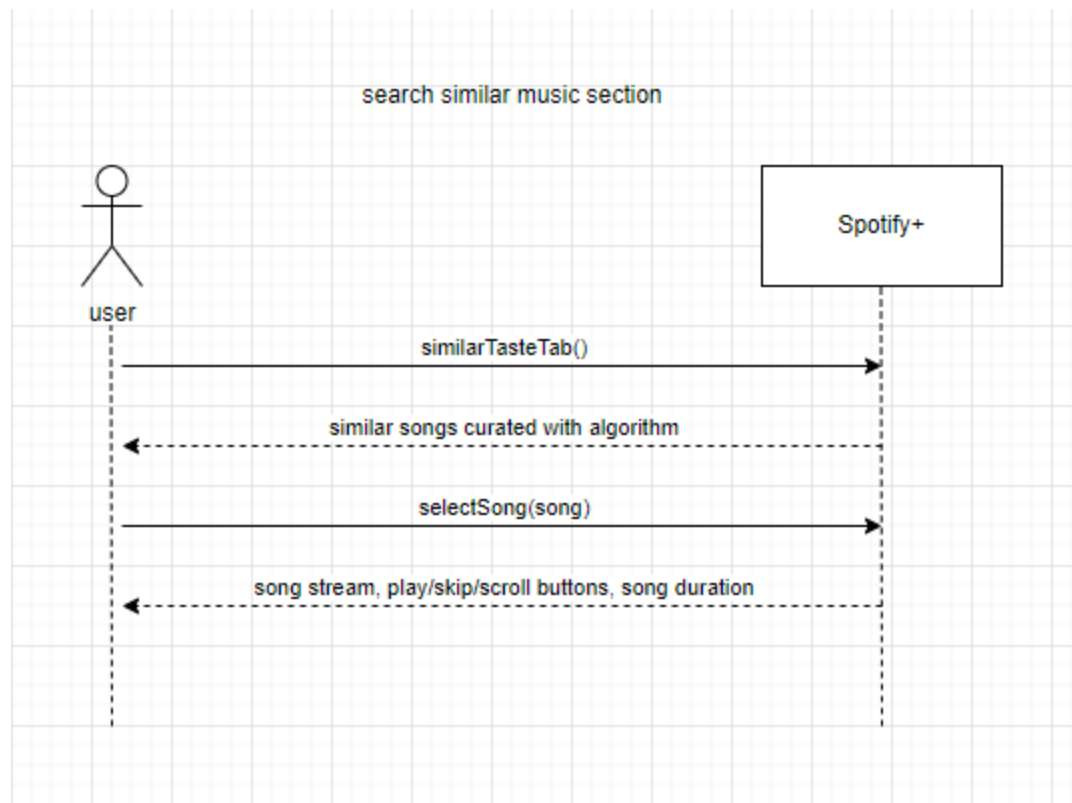
```
{  
Ask if notifications should be pushed;  
If (push allowed)  
{  
Direct message notifications pushed;  
Added friend notifications pushed;  
Collaborated queue request pushed;  
}  
Else  
{  
Don't push notifications;  
}
```

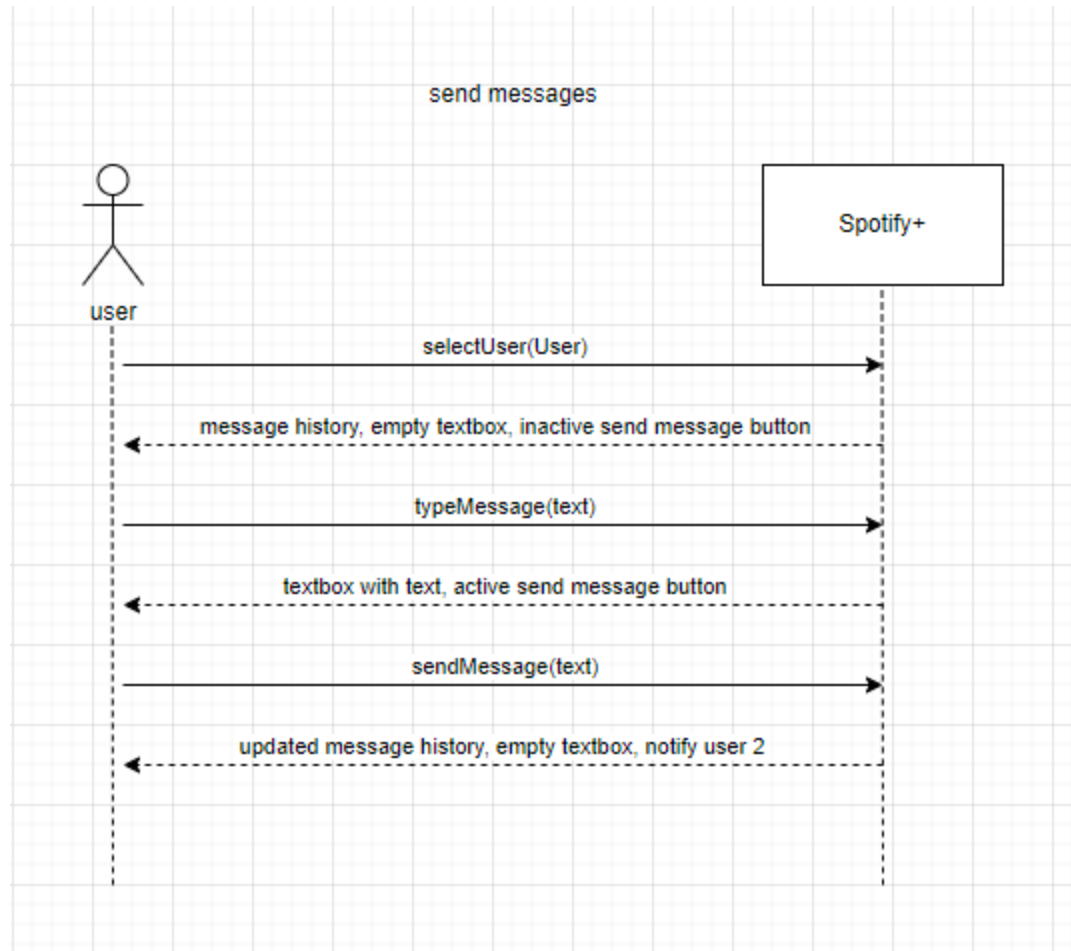
System Sequence Diagrams:

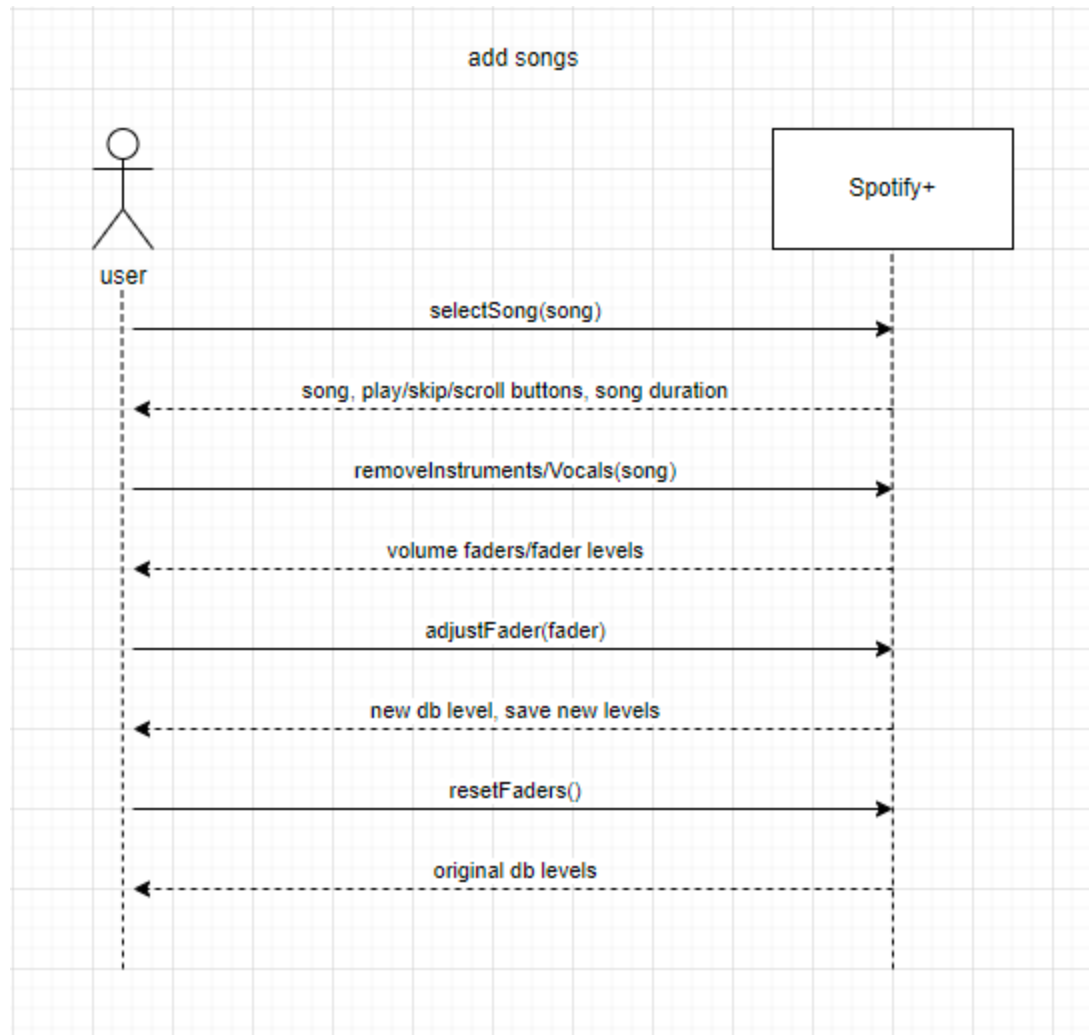












Team RYW

State Diagrams:

