Introduction: linked list a popular data structure for many applications. Apps such as Tinder and Spotify are good real world examples of the applications of linked list. In this lab, you are asked to create a Spotify app that plays a song list.

**Important: Only import the song\_list.txt to create the linked list, and save your final list to song\_list.txt. DO NOT access your song\_list.txt for anything else.**

1. Create a node class and linked list class using the code provided in import.py

2. You are given a song list (song\_list.txt), fill in at last ten songs to this list.

3. Create a linked list of the songs in your song\_list.txt

3. Display this menu:

-----------------------------------

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

Execution example:

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

A #user input

Playing

Scientist Coldpaly 2001

Crystal Ball Kenae 2006

Fix you Coldplay 2005

X&Y Coldpkay 2005

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

B #user input

Enter the song in this format: Song,Artist,Year

What if, Coldplay, 2005 #user input

Song added

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

A #user input

Playing

Scientist Coldpaly 2001

Crystal Ball Kenae 2006

Fix you Coldplay 2005

X&Y Coldplay 2005

What if Coldplay 2005

Enter the song in this format: Song,Artist,Year

What if, Coldplay, 2005 #user input

Song added

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

C #user input

Enter the name of the song:

X&Y #user input

X&Y is deleted

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

A#user input

Playing

Scientist Coldpaly 2001

Crystal Ball Kenae 2006

Fix you Coldplay 2005

What if Coldplay 2005

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

D #user input

Enter the song to start

Crystal Ball #User input

Playing

Crystal Ball Kenae 2006

Fix you Coldplay 2005

What if Coldplay 2005

Music play simulator

A. Play all

B. Add a song

C. Delete a song

D. Start playing from a song

E:Exit

E #user input

Music play simulator off