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Software Project Report

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<u>AIM</u>:To develop a music player application that allows users to play their music files in a shuffled order.

Libraries Used:

- 1) pygame
- 2) random
- 3) os
- 4) Tkinter

Flow of Code:

- 1) First, we import required libraries and define the required functions.
- 2) Then the folder which contains the mp3 files is selected and then those files are retrieved.
- 3) The files are then shuffled into a playlist.
- 4) Then the GUI window is created and the "next" and "close" widgets are added.
- 5) The songs in the playlist are then played.
- 6) Once all songs are played, a new random list of songs is generated and played.
- 7) This process is repeated until the user closes the program.

Conclusion:

We have made the a music player application using libraries like Pygame and Tkinter which allows the users to select a music folder, retrieve the music files, and provides controls for playing, skipping songs, and quitting the player. The GUI provides a user-friendly interface, and the playlist shuffling functionality adds variety and randomness to the music playback experience.

```
____
.load(shuffled_playlist[current_song_index])
.play()
 Shuffle the playlist initially rrent_song_index = 0 uffle_playlist()
              lze mixer module
xer.init()
xer.music.load(playlist[current_song_index];
xer.music.play()
Quit Pygame
ygame.quit()
```

Fig. 7. Code



Fig. 7. Output Popup