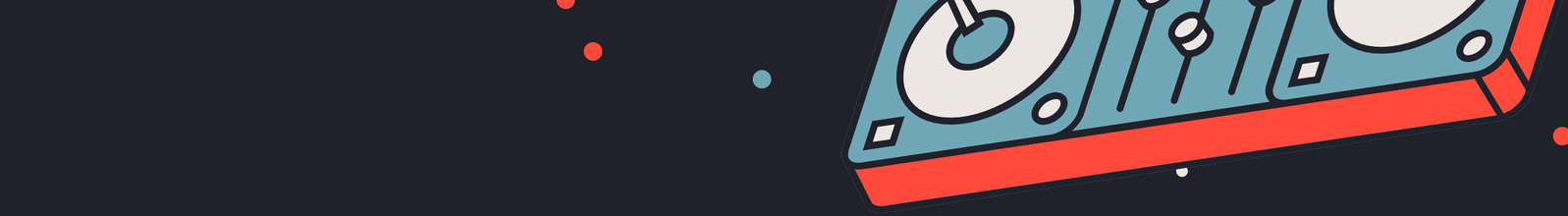


EMOTION BASED MUSIC PLAYER

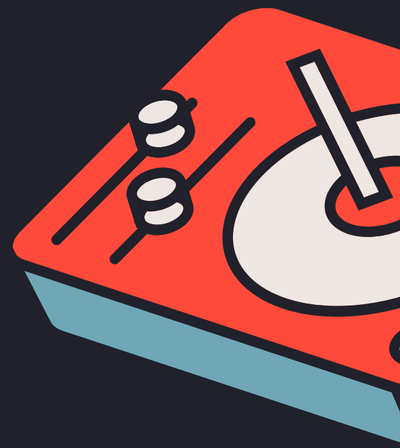


TABLE OF CONTENT

INTRODUCTION

- Facial expressions are a great indicator of the state of the mind for a person. Humans tend to link the music they listen to, to the emotion they are feeling. The song playlists though are, at times too large to sort out automatically. It would be helpful if the music player was “smart enough” to sort out the music based on the current state of emotion the person is feeling.

- The application is developed in such a way that it can analyze the image properties and determine the mood of the user.

PURPOSE

- The main purpose of this system is to provide users a better and faster way to suggest music. We aim to build an application that focuses on reducing human efforts by generating a playlist based on facial sentiments.

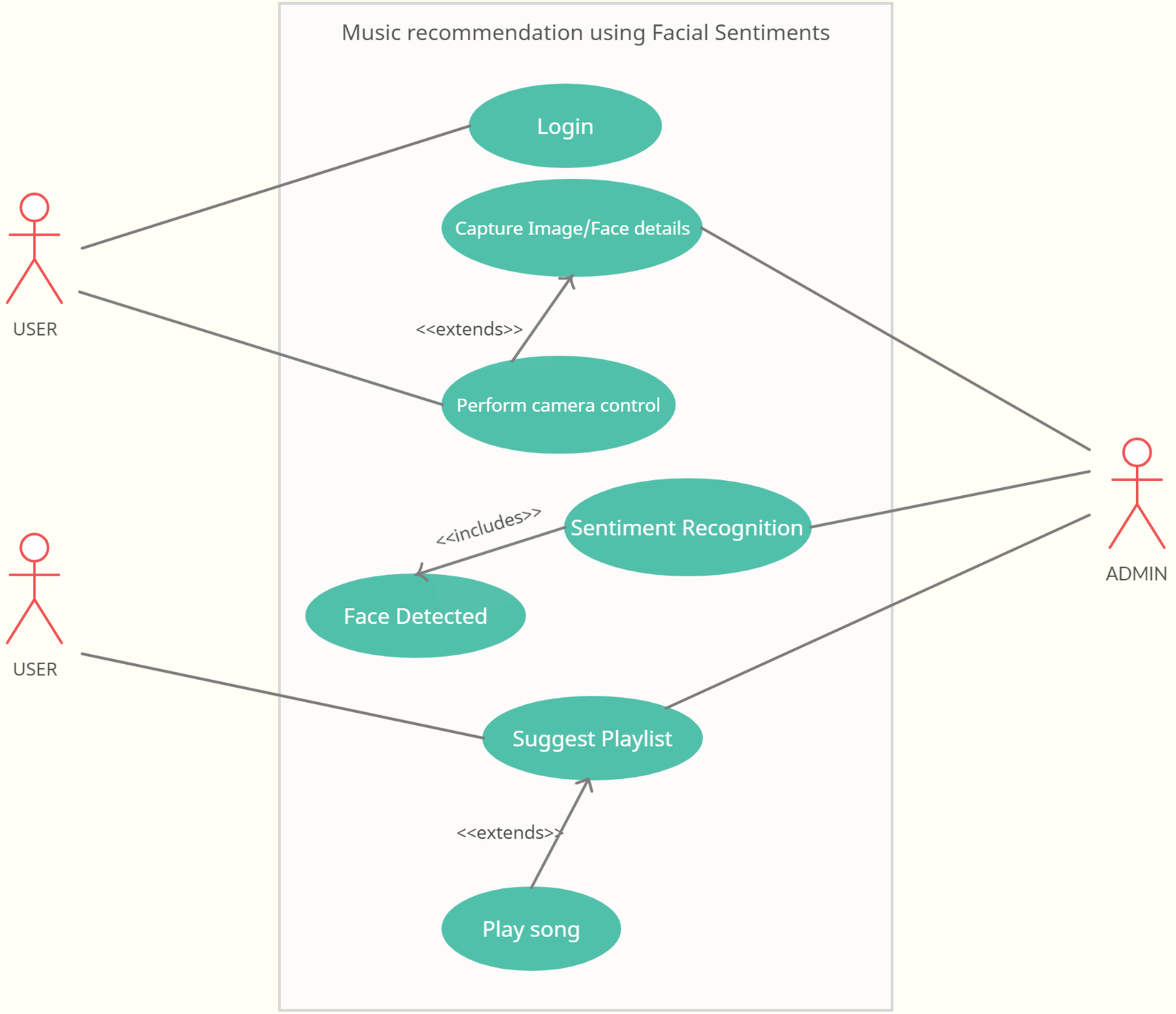
- There are two main parts of the program; determining the emotion of the user using a webcam and then sorting out the current playlist based on that emotion

SCOPE

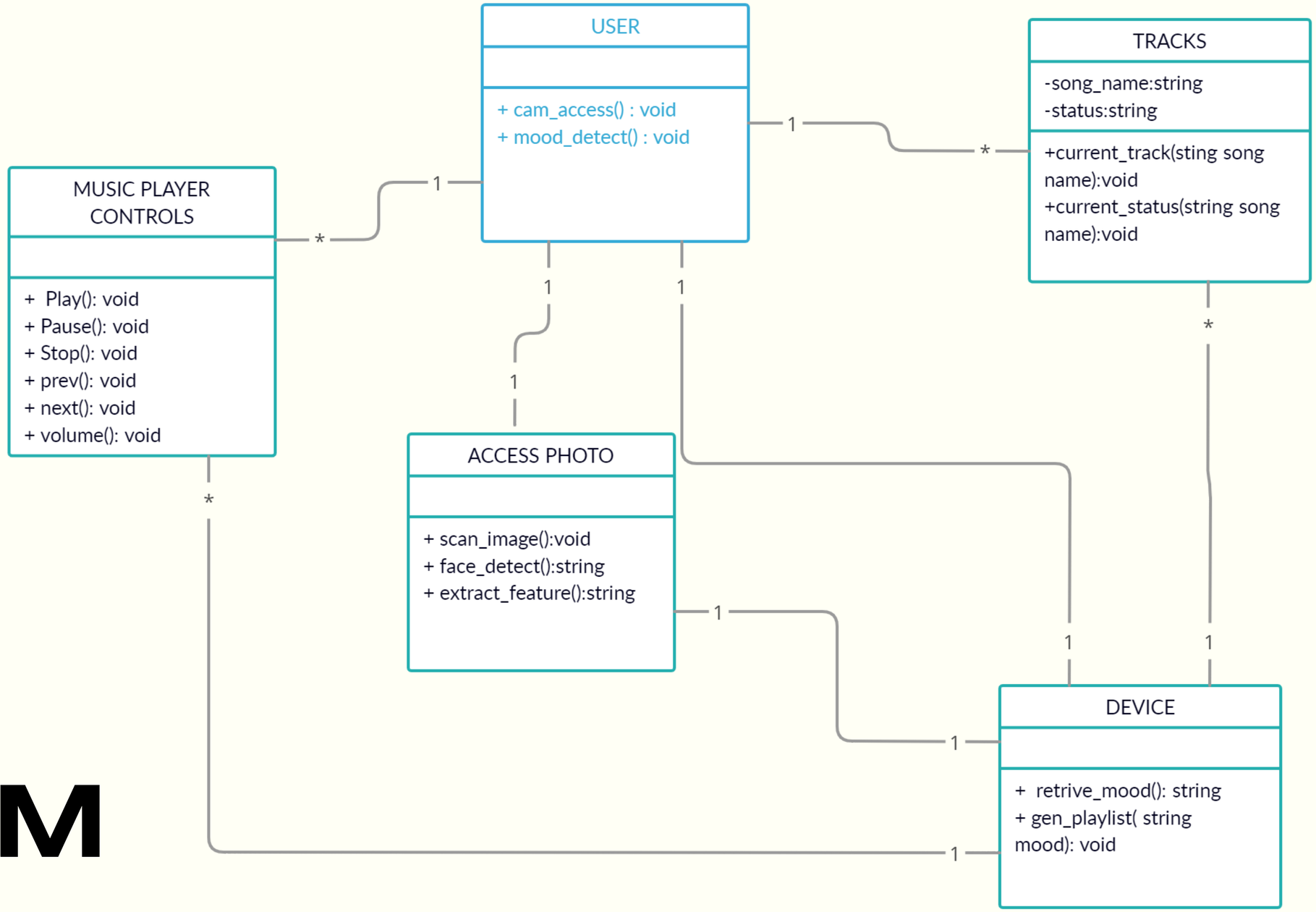
- The proposed system also tends to avoid the unpredictable results produced in extreme bad light conditions and very poor camera resolution.

UML DIAGRAMS

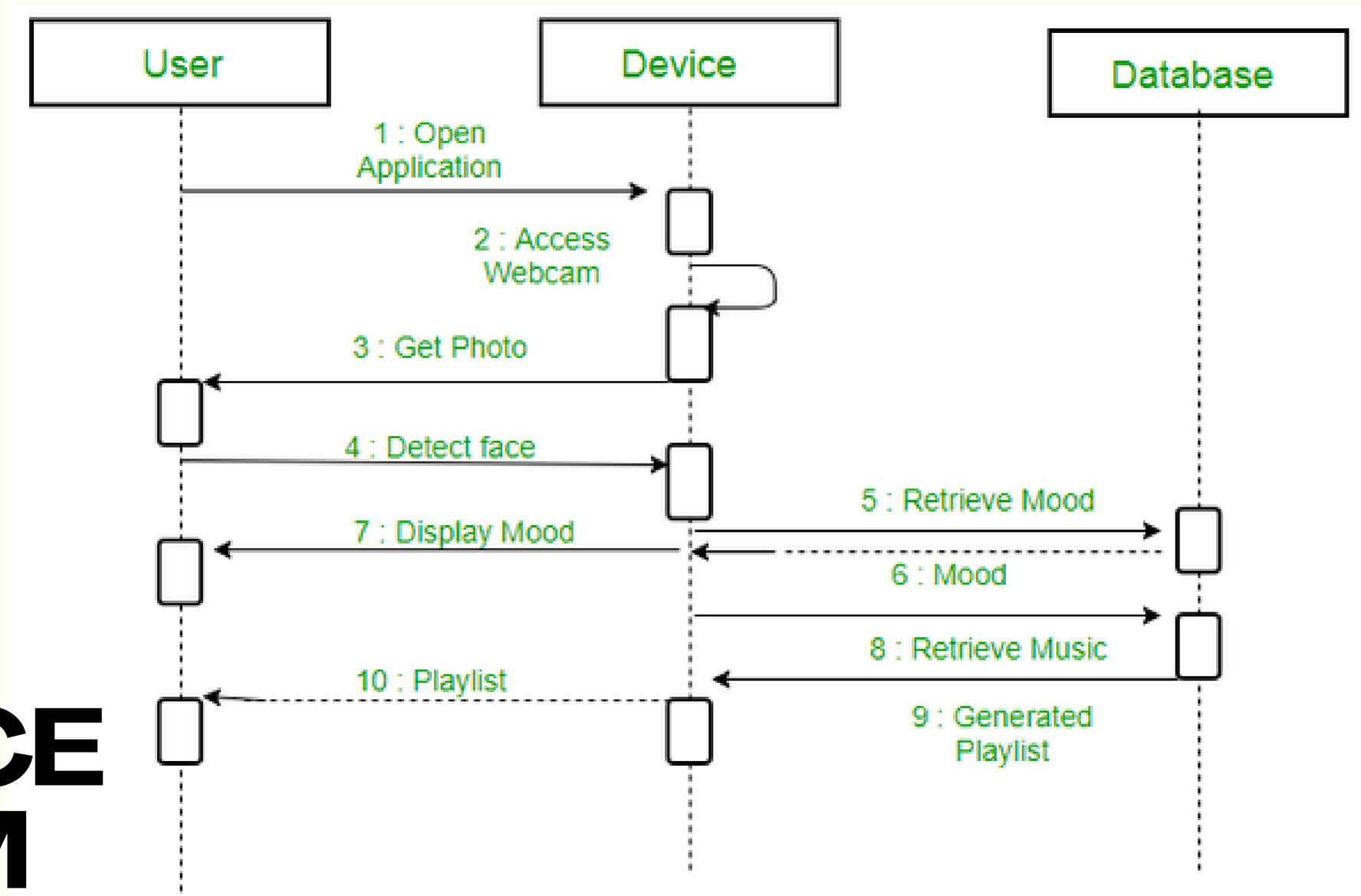
USE CASE DIAGRAM



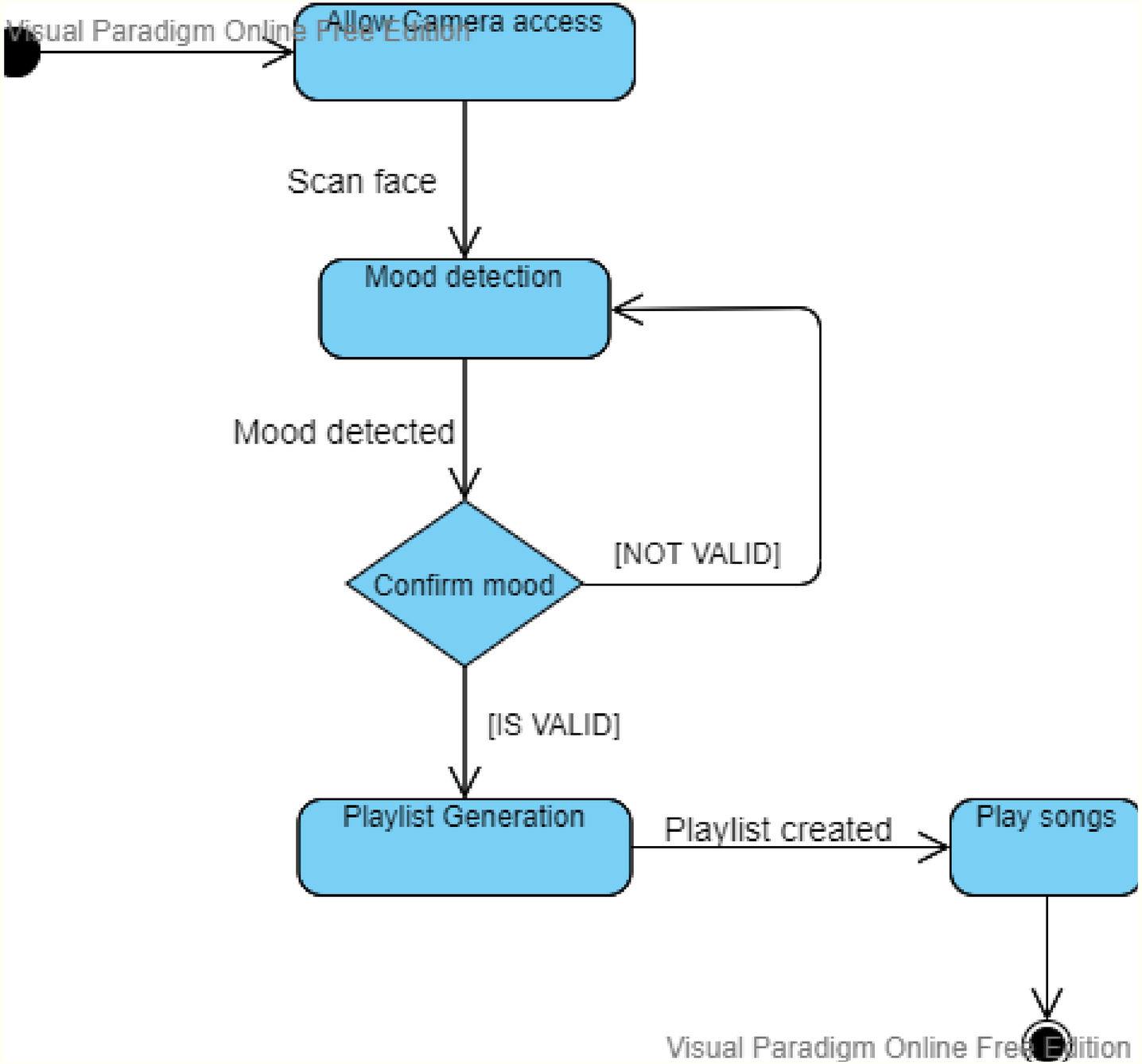
CLASS DIAGRAM



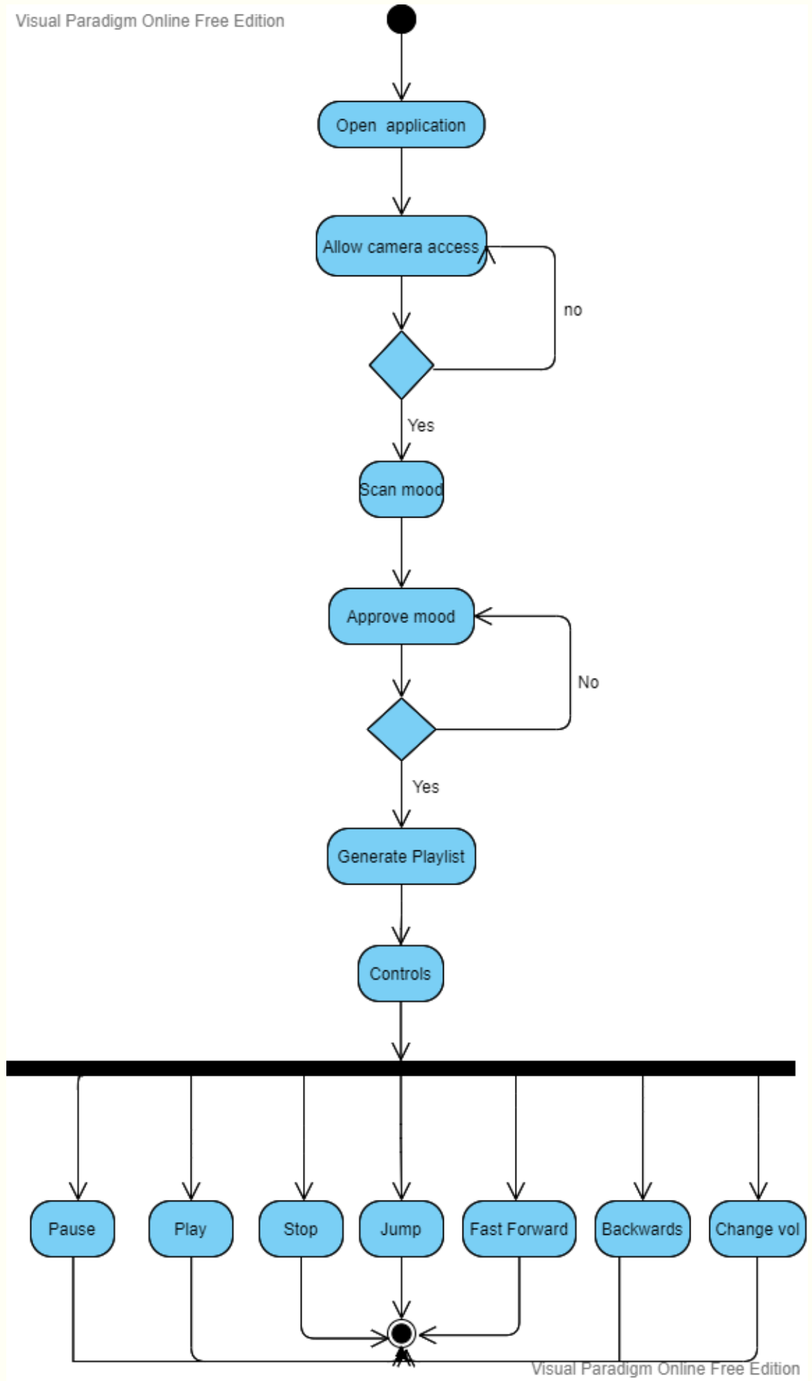
SEQUENCE DIAGRAM



STATE DIAGRAM



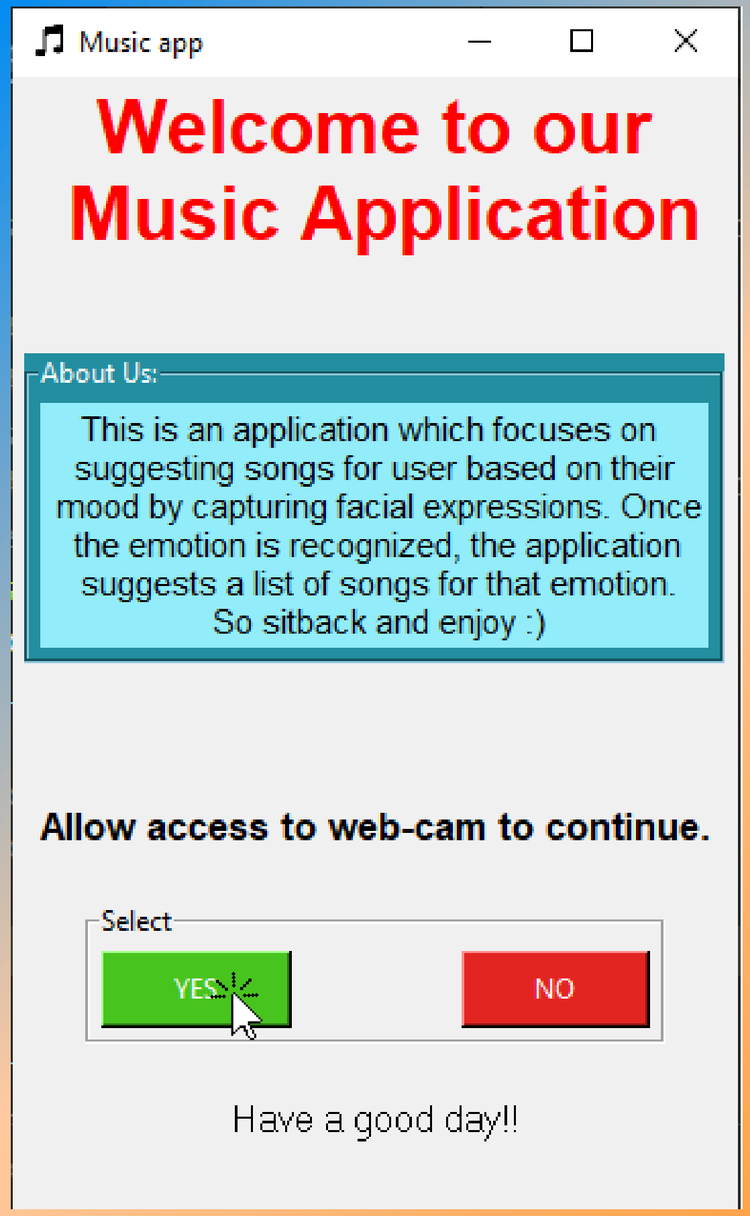
ACTIVITY DIAGRAM



SCREEN SHOTS

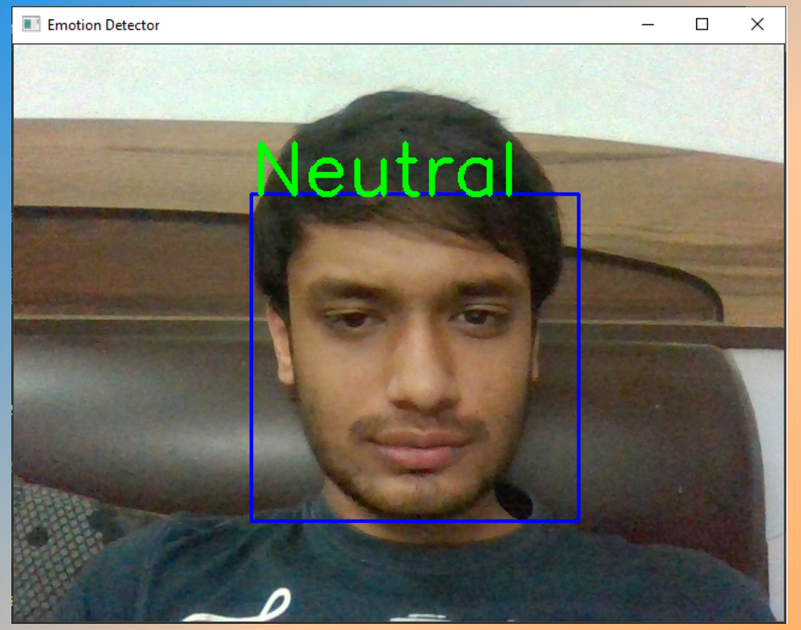
HOME PAGE

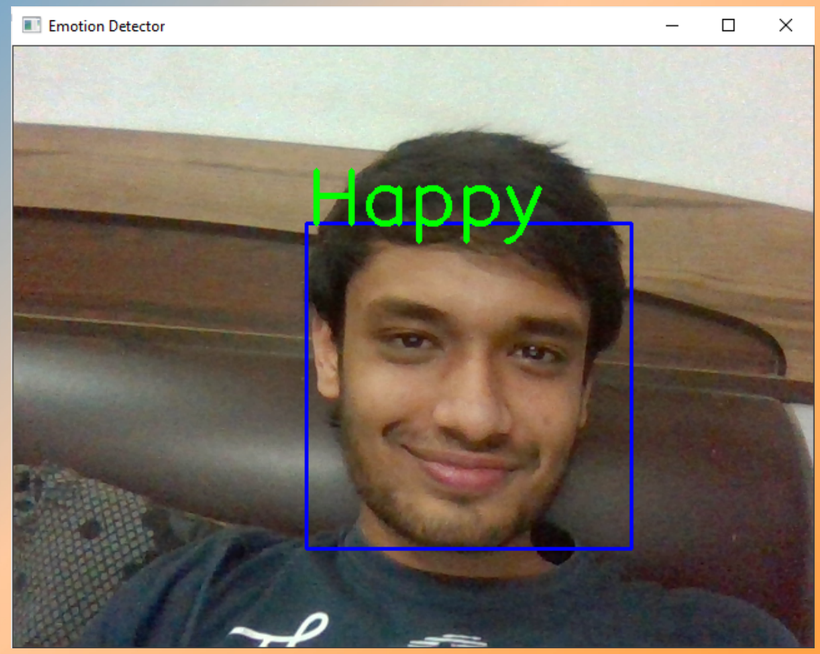
CLICK 'YES' TO GET STARTED
CLICK 'NO' TO QUIT



EMOTION DETECTION

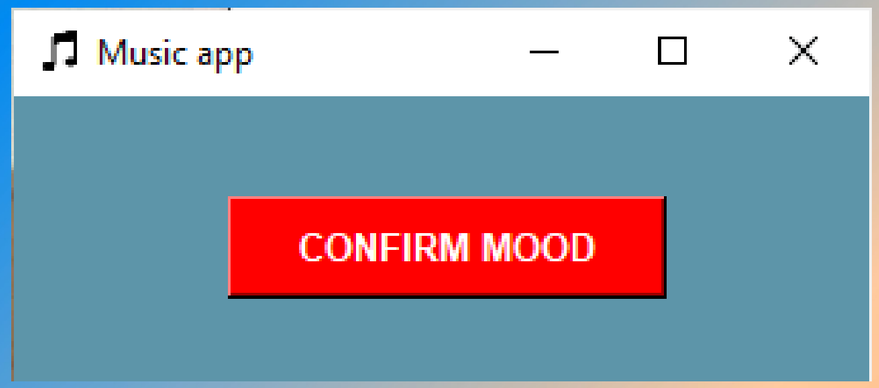
CLICK 'Q' TO CLOSE WINDOW

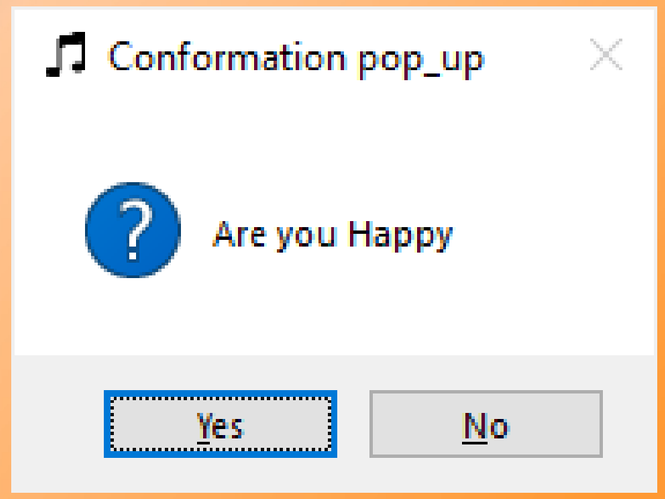




CONFIRM EMOTION

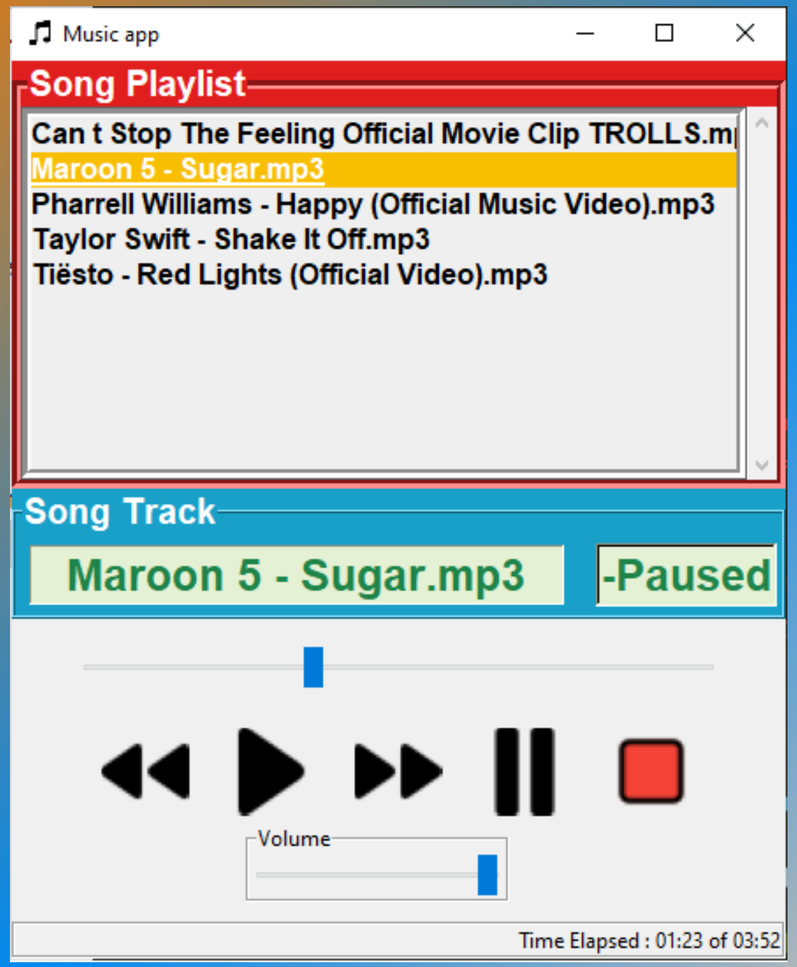
CLICK 'YES' TO CONTINUE
CLICK 'NO' TO RECHECK EMOTION

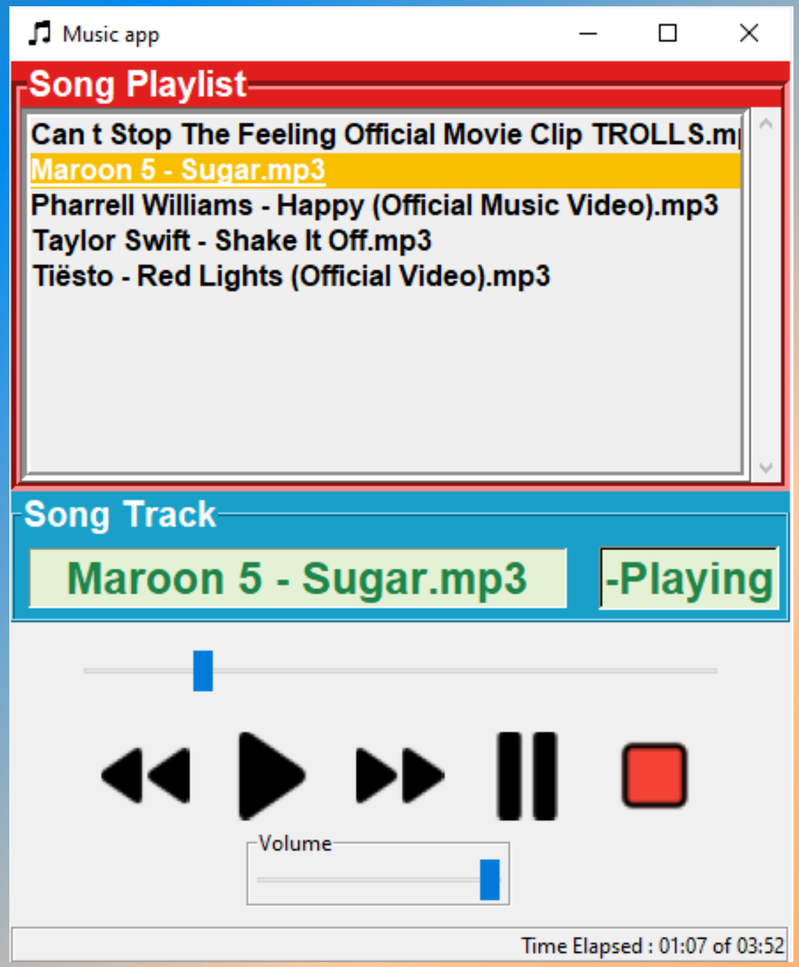


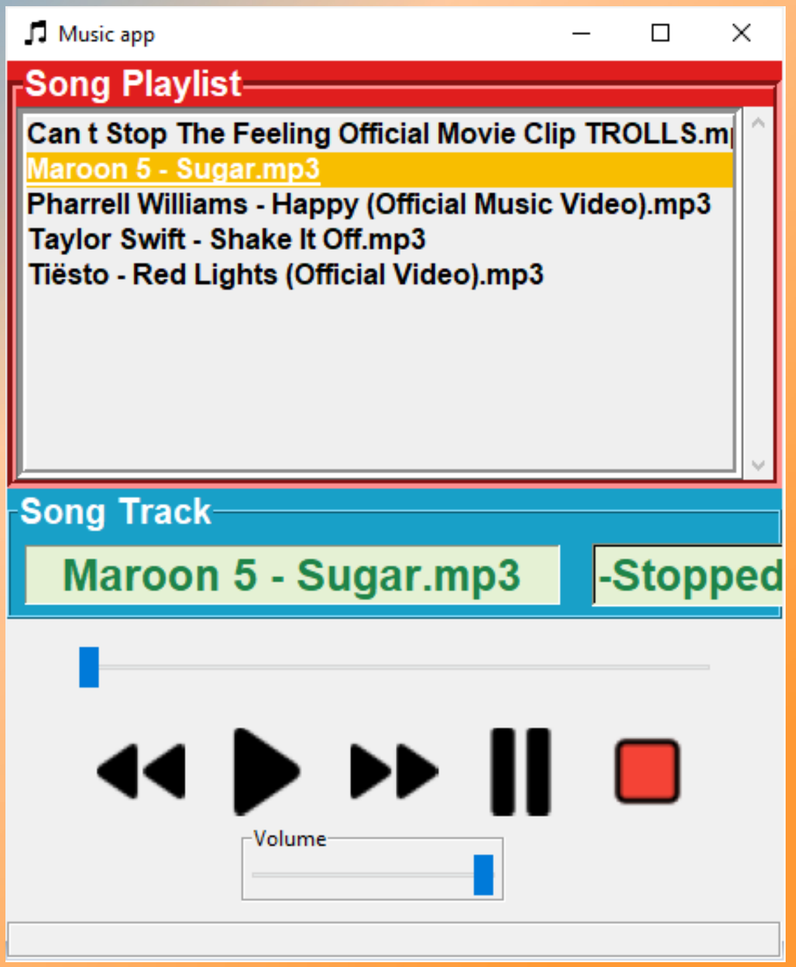


MUSIC PLAYER

WITH VARIOUS CONTROLS







FUTURE EXPANSION

- User can manually add their own playlist to the application. And with the help of reading the metadata of an MP3 the songs can be segregated accordingly.

- Instead of fetching the songs from a local device, one can stream songs directly from the cloud.

Thank you!