

MEDIA PLAYBACK PROGRAM FOR AUDIO FILES



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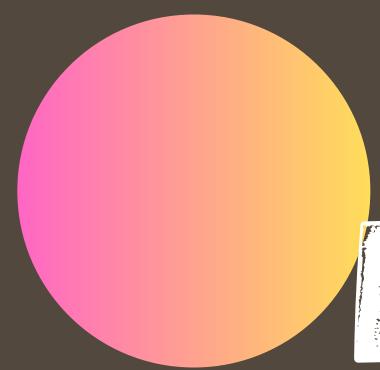
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INTRODUCTION

- The project involves designing and implementing a user interface that allows users to browse their music library, and play music files
- The project will require knowledge of Java programming language, as well as skills in development
- Java music player is a simple classic mp3 player which has features like playing selected mp3 music files, pausing the music, resuming the music, and stopping the music
- Overall, the goal of the project is to provide a user-friendly and efficient music player that can be customized to the user's preferences.





TOOLS USED

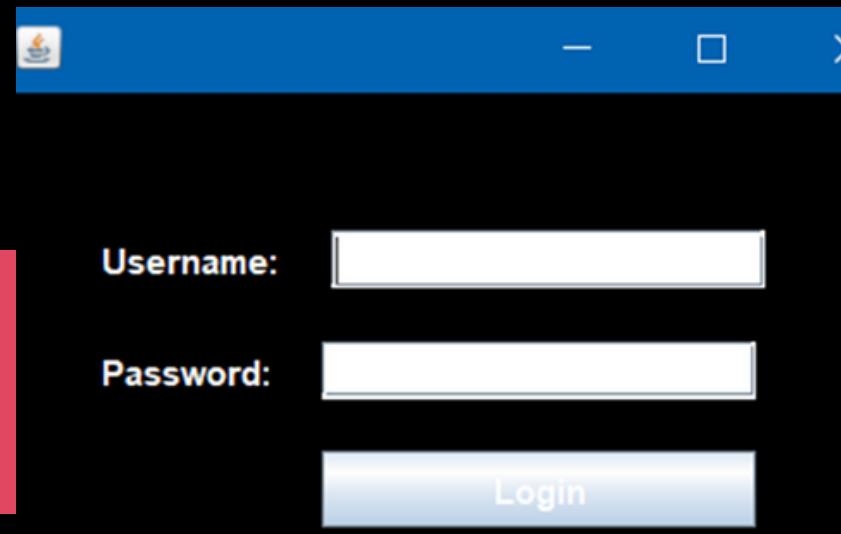
JFRAMES

J-SWING is a UI toolkit for building GUI applications in JAVA, while J-FRAMES is used for creating GUI application in JAVA. JFRAMES is used for creating the player window and manipulating it.

JACo MP3 PLAYER

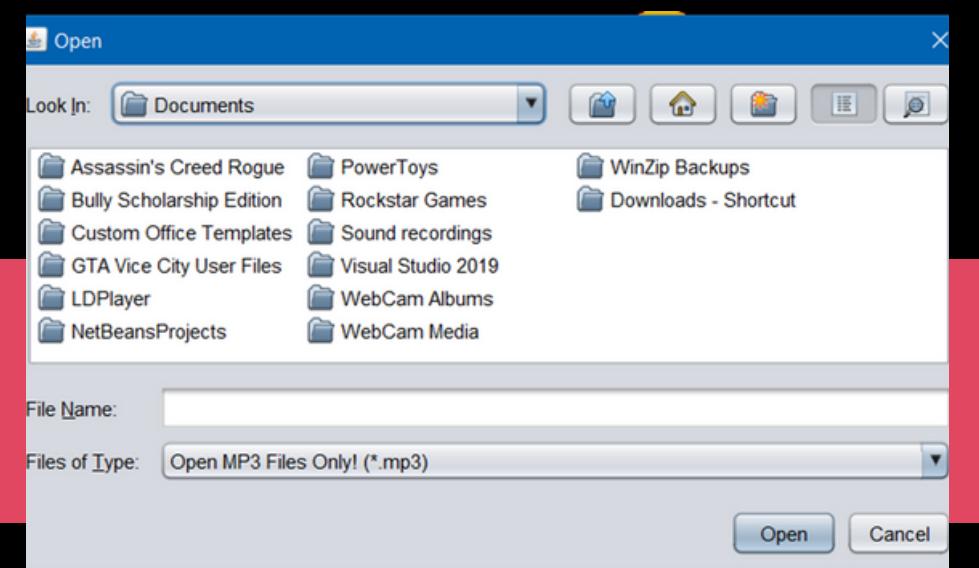
It is a JAVA based library for working with MP3 files. It provides a set of classes and methods for decoding, playing, and manipulating MP3 audio data. The library is open-source and freely available for download and use.

MODULES



LOGIN MODULE

PLAYER MODULE



FILE ACCESS

LOGIN MODULE



Username:

A rectangular input field with a thin gray border, used for entering a username.

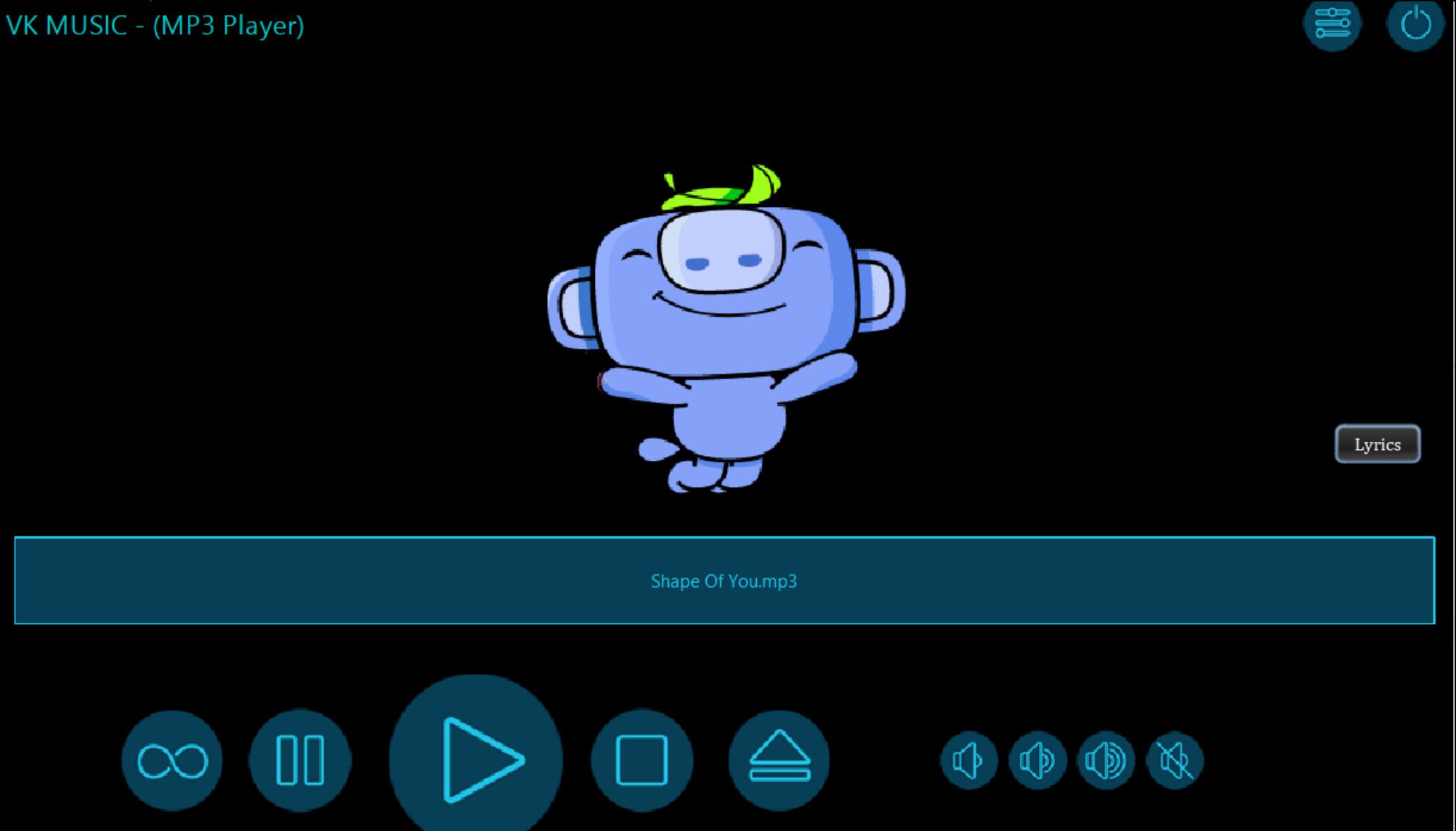
Password:

A rectangular input field with a thin gray border, used for entering a password.A light blue rectangular button with the word "Login" centered in white text.

- Login Module is a portal module that allows users to type a user name and password to log in.
- It directs you to main frame of player.

PLAYER MODULE

VK MUSIC - (MP3 Player)



- Player module is the main song module which contains pause/play, loop/repeat and volume control buttons. volume sub module. This module also contain background gif also.

SUBPARTS IN PLAYER MODULE

- **VOLUME MODULE**

Through help of volume module we can vary the volume of song or track easily.

- **REPEAT BUTTON**

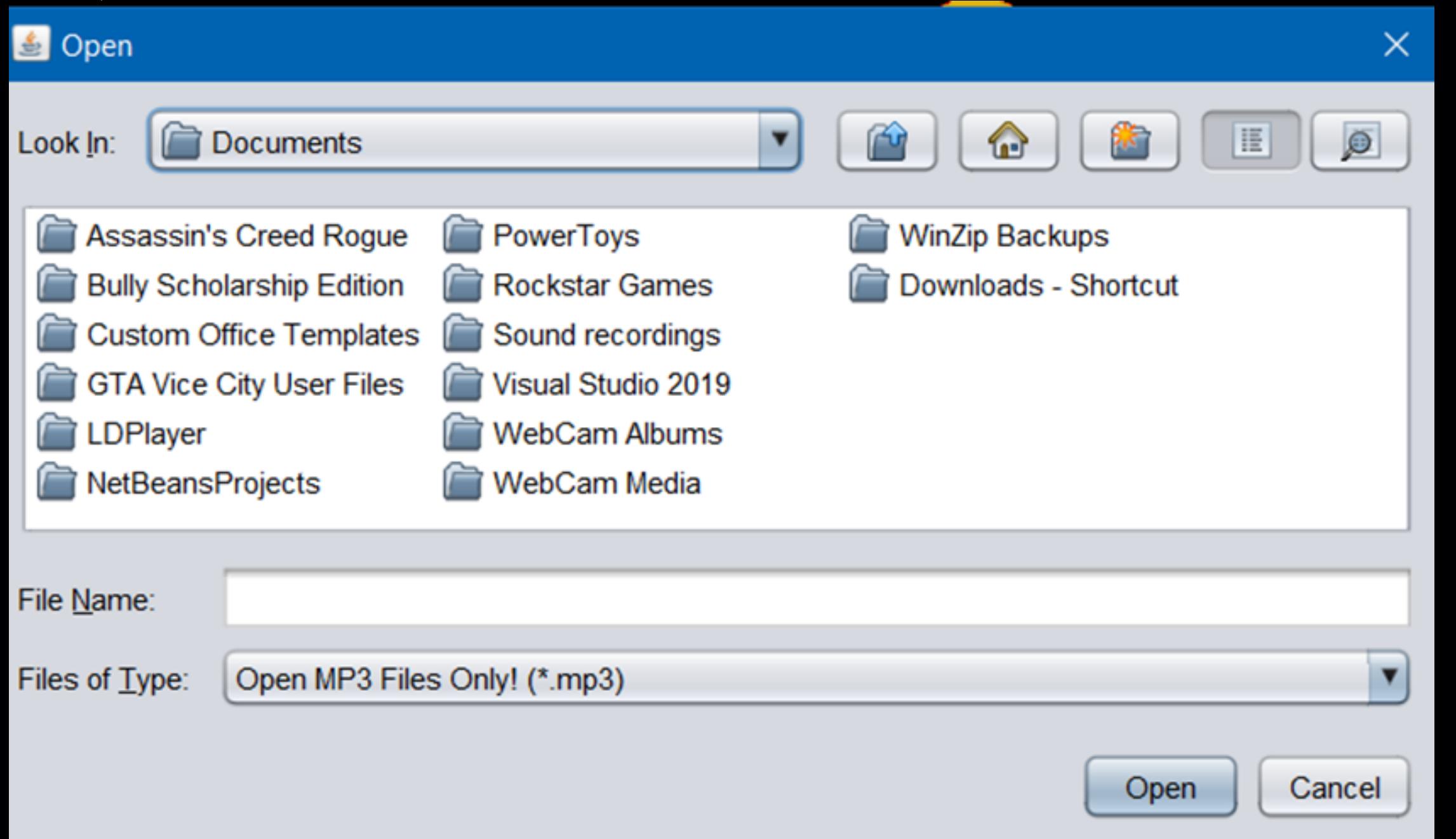
Through help of Loop/Pause module we can play same song again easily by just clicking on it.

- **PLAY / PAUSE BUTTON**

Through help of Pause/Play button we can stop and again resume the song more conveniently.



FILE ACCESS MODULE



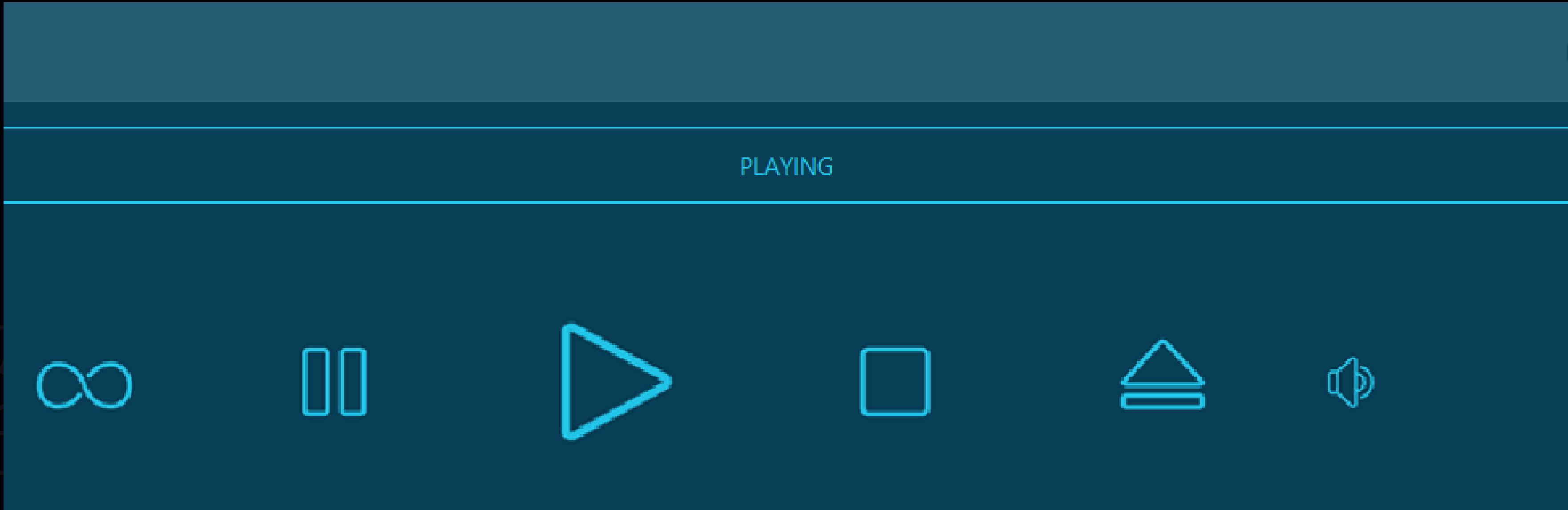
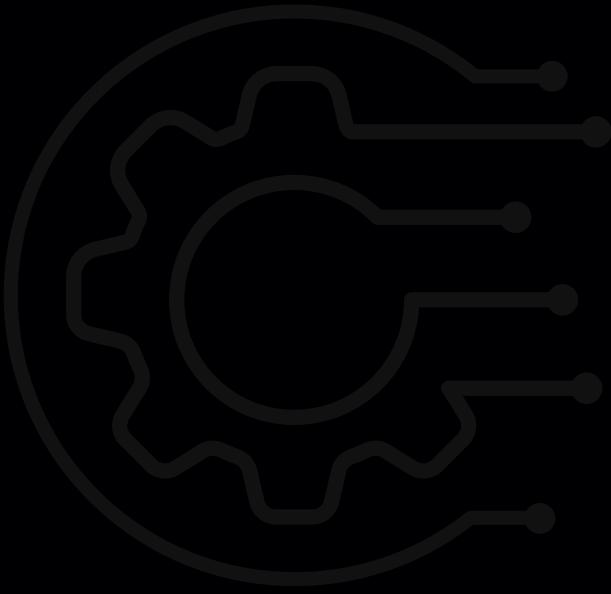
- We can access any MP3 file in our desktop.
- The file can be accessed from any of the folder in the desktop, just the song needs to be downloaded.

FEATURES



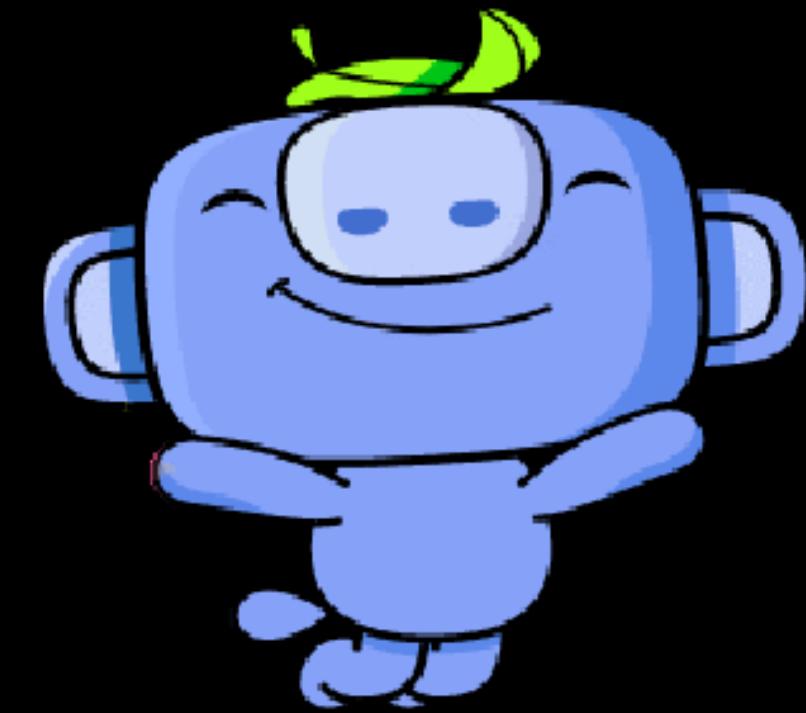
- INTERACTIVE GUI:- Interactive GUI is used by user to interact with the interface of the player. Such as reducing it's size, hovering it over the page as per your wish .
- VOLUME CONTROL: Users should be able to adjust the volume of their music playback.
- VIEW LYRICS: Users would be able to see the lyrics along with the song, so that they get a sing along experience.
- A DANCING GIF BACKGROUND: To put you in a jolly mood if you are heartbroken and accessing files to listen a sad song

INITIAL FRAME



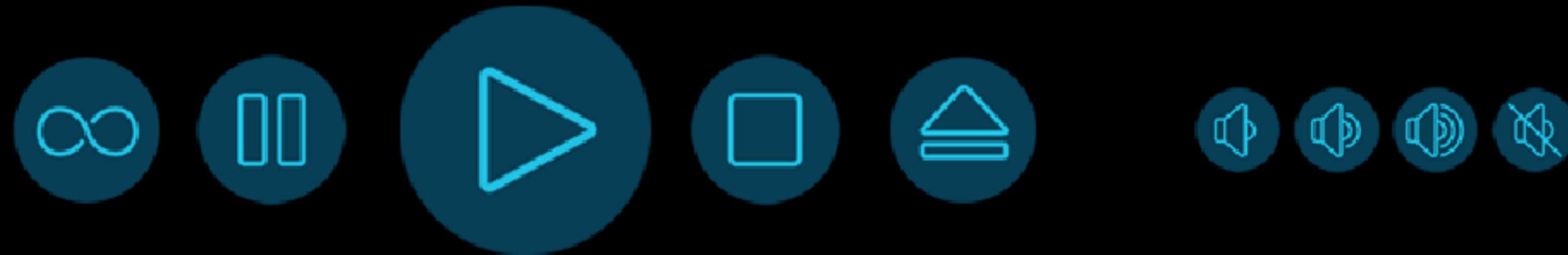
FINAL PROJECT

(AFTER THE GUIDANCE OF SIR)



Lyrics

Shape Of You.mp3



CONCLUSION

- Music player Java mini project can be a useful learning exercise for students to practice their Java programming skills and gain experience working with user interfaces .
- Through this project we learnt JACo music library which is present in JAVA as an integrated part.
- Through medium of this project we learnt J-Frames which is a type of container inheriting the java. awt. Frame class
- The proposed MP3 music player will focus on improving the experience of users of the music player experience.

THANK YOU

