

JFrame

Runnable

MusicPlayer

player : Music  
filechooser : JFileChooser  
result : int

main()

filechooser

Music

file : File  
running, pause, restart, stop : boolean  
tStart, tEnd, tDelta, currentSongPosition : long  
percentage : double  
filePath, showPercentage : String  
playlist : ArrayList<String>  
fileInDirectory : File[]  
t : Thread  
textframe : JFrame  
textField : JTextField  
current : int

Music() ;            pause() ;  
showMenu() ;        restart() ;  
loadFile() ;        shuffle() ;  
play() ;            stream() ;  
run() ;             getLine() ;