MoodUI

- frame: JFrame
- apiObject: spotifyAPIFetcher
- mainPanel: JPanel
- -songInfoPanel: JPanel
- infoPanel: JPanel
- userInputPanel: JPanel
- danceabilityLabel: JLabel
- happyLabel: JLabel
- energyLabel: JLabel
- songNameLabel: JLabel
- artistLabel: JLabel
- songlmage: JLabel
- toleranceLabel: JLabel
- songList: JList
- songPlayButton: JButton
- filterButton: JButton
- danceCheckBox: JCheckBox
- happyCheckBox: JCheckBox
- energyCheckBox: JCheckBox
- toleranceSlider: JSlider
- danceabilitySlider: JSlider
- happySlider: JSlider
- energySlider: JSlider
- model: DefaultListModel
- init: void
- + actionPerformed: void
- + itemStateChanged: void
- + songInfoUpdate: void

spotifyAPIFetcher

- + allSongs: ArrayList<songs>
- + displaySongs: ArrayList<songs>
- + playlistIDs: ArrayList<String>
- categories: String[]
- client_id: String
- secret id: String
- token: String
- saveLastPos: int

- + dance: double
- + happy: double
- + energy: double
- + danceCheck: boolean
- + happyCheck: boolean
- + energyCheck: boolean
- + tolerance: double
- setToken: void
- + getTopTracks: void
- + playlistIDToSongsThreaded: void
- playlistIDToSongs: void
- + getTrackFeatures: void
- + checkAudioFeatures: void

getSongIDs

- s: spotifyAPIFetcher
- token: String
- playlistID: String
- newSong: songs
- + run: void
- + parseData: void

songs

- danceability: double
- happy: double
- energy: double
- artist: String
- songName: String
- ID: String
- coverartLink: String
- + getArtist: String
- + getSongName: String
- + getID: String
- + getCoverartLink: String
- + getDanceability: double
- + getHappy: double
- + getEnergy: double
- + setDanceability: void
- + setHappy: void
- + setEnergy: void