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-an emotion based song detector system, consist of Web Application and Android application, data (songs and users) is synchronized through Firebase server. a system that analyze your current psychological status through tracking your action on playing music.



Song
Attributes



Song
Analyze



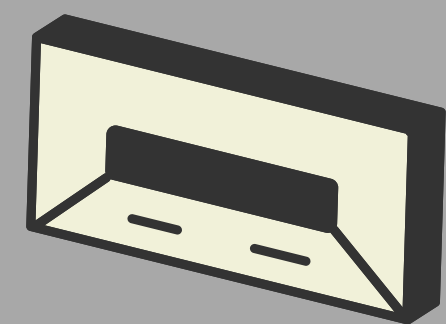
Functionality



Equalizer



Search Song



Suggest Song

Android Equalizer Recognize
song Waves



Recognize Lyrics
ChartLyrics.DB

NLTK Analyze



Valence



Search Song
from Soundcloud

Regonsize
Audio

Echonest Audio
Analyze



Arrousal



Mood
Clicked

Embed Songs
From Spotify

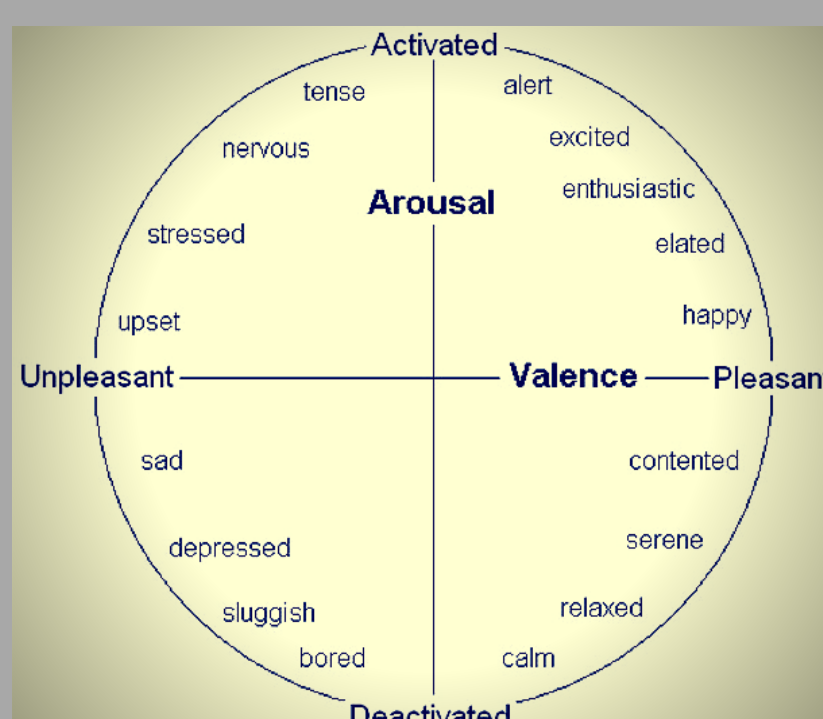


Algo

algorithm base hypothesis is conducted like this: LET

- E - group of all mood
- A – group of all songs existed
- T – group of all sentiments representing Valence and arrousal
- R – function that link\$ A T and E, then

Solution $R: A * T \rightarrow E$



EMOTION

CLASS

CONNECTING VAL
AND ARR TO
DETECT MOOD