

Pre-assignment (not qualified)

Web Project



Javier Roig Gregorio, 47433543E

Jorge Nuevo Abril, 48253792E

Gabriel Garcia Scoles, 48250713W

Jose Miguel Avellana Lopez, 18068091G

Víctor Alcobé Sorolla, 73213718A

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1. Introduction

The topic of this project is about music. We will use the API from [Spotify for Developers](https://developer.spotify.com/documentation/web-api/quick-start/) (<https://developer.spotify.com/documentation/web-api/quick-start/> , that's a quick start about how to set up the Web API in your project).

2. What we are going to do in this project

First of all we will get information about the artist that the user search for example: information about the artist, top songs and albums.

Another idea that we have is to make a TOP 10 tracks, that we can see a list of tracks in order (most listened to least listened) with the name of the artist, the name of the song, an image and the duration for each song.

The last idea is a playlist that the user can customize it freely putting a name for the playlist, putting the songs that the users want, deleting the songs they don't want to listen again, they will be able to see the name of the artists, the duration of each song and the name of the song.

We are going to distinguish the registered users against the non-registered users with the functionality of playlist. The non-registered users will be able to see the playlist of other registered users or the playlist of the artist and the registered users will be able to make their own playlist and modify freely. Other different function is the TOP 10 songs, the non-registered they only will see the mundial TOP 10 of the moment and the registered users will see their own TOP 10.

Will we do some different things in this project like some statistics for each song, they will be able to write messages with names of songs and finally they will be able to see the lyrics for each song

3. Class Diagram

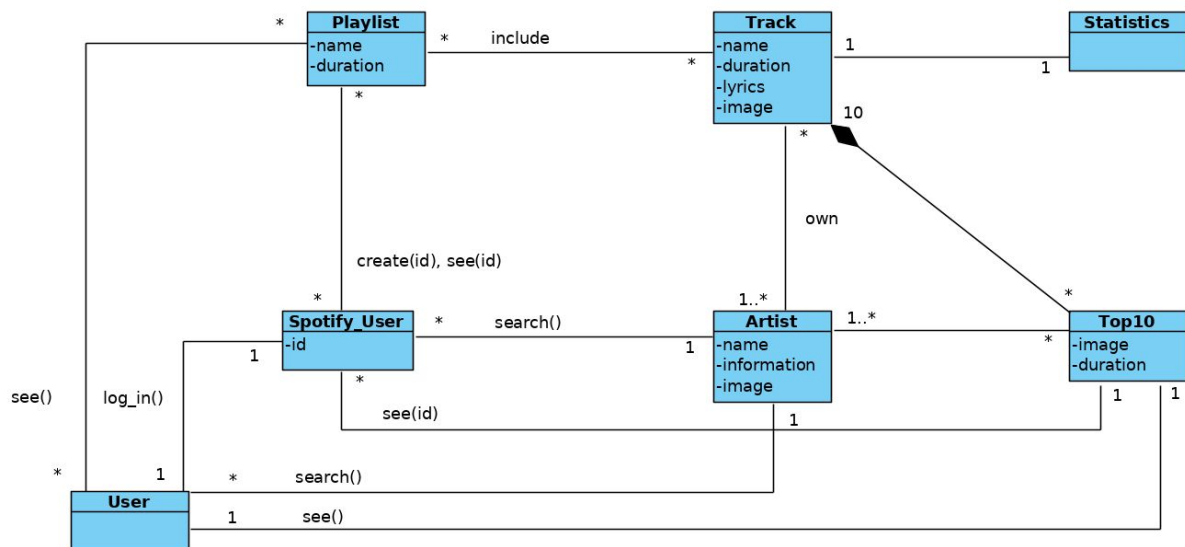


Figure 1: Class Diagram

We look at the previous figure. We can specify the general idea that we want to implement. We have differentiated classes, these are related according to our criteria to be able to correctly implement our idea.