

06/27/18 07:37:54 /home/ivan/Desktop/Repositorio-Final/track.h

```
1  #ifndef TRACK_H
2  #define TRACK_H
3
4  #include <stdio.h>
5  #include <stdlib.h>
6
7  #include "types.h"
8  #include "main.h"
9  #include "errors.h"
10
11 #define MAX_GENRES 126
12
13 #define MP3_HEADER_SIZE 128
14
15 #define LEXEM_START_TAG 0
16 #define LEXEM_SPAN_TAG 3
17
18 #define LEXEM_START_TITLE 3
19 #define LEXEM_SPAN_TITLE 30
20
21 #define LEXEM_START_ARTIST 33
22 #define LEXEM_SPAN_ARTIST 30
23
24 #define LEXEM_START_ALBUM 63
25 #define LEXEM_SPAN_ALBUM 30
26
27 #define LEXEM_START_YEAR 93
28 #define LEXEM_SPAN_YEAR 4
29
30 #define LEXEM_START_COMMENT 97
31 #define LEXEM_SPAN_COMMENT 30
32
33 #define LEXEM_START_GENRE 127
34 #define LEXEM_SPAN_GENRE 1
35
36 typedef struct
37 {
38     char tag[LEXEM_SPAN_TAG + 1];
39     char title[LEXEM_SPAN_TITLE + 1];
40     char artist[LEXEM_SPAN_ARTIST + 1];
41     char album[LEXEM_SPAN_ALBUM + 1];
42     char year[LEXEM_SPAN_YEAR + 1];
43     char comment[LEXEM_SPAN_COMMENT + 1];
44     unsigned int genre;
45 } ADT_track_t;
46
47 /*****PROTOTIPOS ADT_TRACK*****/
48 status_t ADT_track_new (ADT_track_t ** track);
49 status_t ADT_track_delete (void * track);
50 status_t ADT_track_set (char header[], ADT_track_t * track);
51 status_t ADT_track_export_to_csv (void * track, const void * context, FILE * file_out);
52 status_t ADT_track_export_to_xml (void * t, const void * context, FILE * file_out); /*FALTA*/
53 int ADT_track_compare_by_artist (void * track1, void * track2);
54 int ADT_track_compare_by_title (void * track1, void * track2);
55 int ADT_track_compare_by_genre (void * t1, void * t2);
56 /*****FIN PROTOTIPOS ADT_TRACK*****/
57
58 #endif
```