06/28/18 02:37:53 /home/ivan/Desktop/Repositorio-Final/track.h

```c
 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
```