guitar.h

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// Name: Rodrigo Ignacio Rojas Garcia
// Course Number: ECE 2230
// Section: 001
// Semester: Spring 2017
// Assignment Number: 2
#ifndef GUITAR H
#define GUITAR_H
// Defining Delcaration Section
#define MAXCHARACTERS 1994
typedef int key_t;
typedef enum quitartype_e
   S = 'S', /* solid body */
   A = 'A', /* arch-top hollow body */
   T = 'T' /* semi-hollow (thinline) */
} quitartype t;
typedef enum pickup_e
   H = 'H', /* humbucker */
   C = 'C', /* single coil */
   P = 'P', /* P90 */
   F = 'F', /* Filtertron */
   N = 'N' /* none */
} pickup_t;
typedef struct quitar_s
   key_t id_number;
   char make[20];
   char model [20];
    char submodel[15];
   guitartype_t gtype;
   int year; /* year of manufacture */
   char finsh[25]; /* description of finish incuding color, binding, etc. */
   int strings; /* number of strings - usually 6 or 7 */
   int pickups; /* number of pickups */
   pickup_t neck; /* pickup type */
   pickup_t middle; /* pickup type */
   pickup_t bridge; /* pickup type */
} *guitar_t;
/* allocate a new struct guitar_s and return a pointer to it */
guitar_t guitar_init(void);
/* read from user all fields for a guitardb_guitar */
int guitar_fill(guitar_t);
/* set the id of a guitardb_guitar */
int guitar_setid(guitar_t, key_t);
/* get the id of a guitardb_guitar */
key_t guitar_getid(guitar_t);
/* prints a guitar */
int guitar_print(guitar_t);
/* returns 0 if equal, <0 if less than, >0 if greater than */
int guitar_compare(guitar_t, guitar_t);
void guitar_free(guitar_t);
#endif
```