

```

1  /*
2  *  sd_card_func.h
3  *
4  *   Created on: Jul 7, 2023
5  *   Author: christop.grobety
6  */
7
8  #ifndef INC_SD_CARD_FUNC_H_
9  #define INC_SD_CARD_FUNC_H_
10 #include "main.h"
11 #include "fatfs.h"
12 #include "fram_func.h"
13 #include <stdbool.h>
14
15 /**
16  * @brief Create a file in the SD card with a name and a type (.bin,.txt,...)
17  * @param sd_file: SD_card emplacement
18  * @param fileName: name and type of the file
19  */
20 void SD_create_file(FIL sd_file, TCHAR* fileName);
21
22 /**
23  * @brief Write a table of 16 bits of values in a SD's file
24  * @param sd_file: SD_card emplacement
25  * @param fileName: name and type of the file
26  * @param data: pointer on the first adress of the table to write
27  */
28 void SD_write_data(FIL sd_file, TCHAR* fileName, uint16_t* data);
29
30 /**
31  * @brief Read all the value in a SD's file
32  * @param sd_file: SD_card emplacement
33  * @param fileName: name and type of the file
34  * @return the pointer on the first adress of the data's file table
35  */
36 uint8_t* SD_read_data(FIL sd_file, TCHAR* fileName);
37
38 /**
39  * @brief Convert all the values(char) in the SD's file receive in 3 double values
40  * @param sd_file: SD_card emplacement
41  * @param fileName: name and type of the file
42  * @return the pointer on the first adress of the InitTrigger's values
43  */
44 double* initValue(FIL sd_file, TCHAR* fileName);
45
46
47 #endif /* INC_SD_CARD_FUNC_H_ */
48

```