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Contents

1	Data	Struct	ure Index		1
	1.1	Data S	tructures		1
2	File	Index			3
	2.1	File Lis	st		3
3	Data	Struct	ure Docun	nentation	5
	3.1	csuStr	uct Struct I	Reference	5
		3.1.1	Detailed	Description	5
		3.1.2	Field Doo	cumentation	5
			3.1.2.1	config	5
			3.1.2.2	day	5
			3.1.2.3	distributor	5
			3.1.2.4	month	6
			3.1.2.5	nb_player	6
			3.1.2.6	nb_turn	6
			3.1.2.7	player_names	6
			3.1.2.8	point	6
			3.1.2.9	rank	6
			3.1.2.10	size_max_name	6
			3.1.2.11	total_points	6
			3.1.2.12	version	6
			3.1.2.13	year	6
	3.2	game_	config Stru	uct Reference	6
		3.2.1	Detailed	Description	7
		3.2.2	Field Doo	cumentation	7
			3.2.2.1	begin_score	7
			3.2.2.2	decimal_place	7
			3.2.2.3	first_way	7
			3.2.2.4	max	7
			3.2.2.5	name	7
			3226	nh may	7

iv CONTENTS

		3.2.2.7	turn_based
		3.2.2.8	use_distributor
3.3	list_gaı	me_config	Struct Reference
	3.3.1	Detailed	Description
	3.3.2	Field Doo	cumentation
		3.3.2.1	name_game_config
		3.3.2.2	nb_config
3.4	main_v	vindow_siz	ze Struct Reference
	3.4.1	Detailed	Description
	3.4.2	Field Doo	cumentation
		3.4.2.1	height
		3.4.2.2	is_maximize
		3.4.2.3	width
3.5	toolbar	_button_p	references_struct Struct Reference
	3.5.1	Detailed	Description
	3.5.2	Field Doo	cumentation
		3.5.2.1	about
		3.5.2.2	copy
		3.5.2.3	cut
		3.5.2.4	delete
		3.5.2.5	game_configuration_preferences
		3.5.2.6	new
		3.5.2.7	open
		3.5.2.8	paste
		3.5.2.9	preferences
		3.5.2.10	properties
		3.5.2.11	redo
		3.5.2.12	save_as
		3.5.2.13	separator_1
		3.5.2.14	separator_2
		3.5.2.15	separator_3
		3.5.2.16	separator_4
		3.5.2.17	separator_5
		3.5.2.18	toolbar_button_preferences
		3.5.2.19	undo
File	Docume	entation	13
4.1			eference
	4.1.1		Description
	4.1.2		Documentation

CONTENTS

		4.1.2.1	openFileCsuExtension	13
		4.1.2.2	readCsuFile	14
		4.1.2.3	writeCsuFile	14
		4.1.2.4	writeFileNewTurn	15
4.2	csu_file	es.h File R	Reference	15
	4.2.1	Detailed	Description	16
	4.2.2	Macro De	efinition Documentation	16
		4.2.2.1	FILE_EXTENSION	16
		4.2.2.2	SIZE_MAX_FILE_NAME	16
		4.2.2.3	STRING_CHECK_CSU_FILE	16
	4.2.3	Function	Documentation	16
		4.2.3.1	openFileCsuExtension	16
		4.2.3.2	readCsuFile	17
		4.2.3.3	writeCsuFile	17
		4.2.3.4	writeFileNewTurn	18
4.3	csu_st	ruct.c File	Reference	18
	4.3.1	Detailed	Description	19
	4.3.2	Function	Documentation	19
		4.3.2.1	addDistributorCsuStruct	19
		4.3.2.2	closeCsuStruct	19
		4.3.2.3	copyCsuStruct	20
		4.3.2.4	differentsPlayerName	20
		4.3.2.5	endNewTurn	20
		4.3.2.6	exceedMaxNumber	21
		4.3.2.7	maxNbTurn	21
		4.3.2.8	newCsuStruct	21
		4.3.2.9	rankCalculation	22
		4.3.2.10	searchIndexFromPosition	23
		4.3.2.11	searchPlayerIndex	23
		4.3.2.12	startNewTurn	24
4.4	csu_st	ruct.h File	Reference	24
	4.4.1	Detailed	Description	25
	4.4.2	Macro De	efinition Documentation	25
		4.4.2.1	SIZE_MAX_NAME	25
		4.4.2.2	VERSION	25
	4.4.3	Function	Documentation	25
		4.4.3.1	addDistributorCsuStruct	25
		4.4.3.2	closeCsuStruct	26
		4.4.3.3	copyCsuStruct	26
		4.4.3.4	differentsPlayerName	26

vi CONTENTS

		4.4.3.5	endNewTurn	27
		4.4.3.6	exceedMaxNumber	27
		4.4.3.7	maxNbTurn	27
		4.4.3.8	newCsuStruct	27
		4.4.3.9	rankCalculation	28
		4.4.3.10	searchIndexFromPosition	28
		4.4.3.11	searchPlayerIndex	29
		4.4.3.12	startNewTurn	29
4.5	file.c F	ile Referer	nce	30
	4.5.1	Detailed	Description	30
	4.5.2	Function	Documentation	30
		4.5.2.1	closeFile	30
		4.5.2.2	deleteFile	31
		4.5.2.3	openFile	31
		4.5.2.4	readFileSize	32
		4.5.2.5	renameFile	32
4.6	file.h F	ile Referer	nce	32
	4.6.1	Detailed	Description	33
	4.6.2	Function	Documentation	33
		4.6.2.1	closeFile	33
		4.6.2.2	deleteFile	33
		4.6.2.3	openFile	34
		4.6.2.4	readFileSize	34
		4.6.2.5	renameFile	35
4.7	filenam	ne.c File R	eference	35
	4.7.1	Detailed	Description	35
	4.7.2	Function	Documentation	36
		4.7.2.1	addFileCsuExtension	36
		4.7.2.2	checkFilename	36
		4.7.2.3	checkPath	36
		4.7.2.4	getFolderFromFilename	37
		4.7.2.5	getSimpleFilenameFromFullFilename	37
		4.7.2.6	readHomePath	37
		4.7.2.7	readHomePathSlash	38
4.8	filenam	ne.h File R	eference	38
	4.8.1	Detailed	Description	38
	4.8.2	Function	Documentation	38
		4.8.2.1	addFileCsuExtension	38
		4.8.2.2	checkFilename	39
		4.8.2.3	checkPath	39

CONTENTS vii

		4.8.2.4	getFolderFromFilename	40
		4.8.2.5	getSimpleFilenameFromFullFilename	40
		4.8.2.6	readHomePath	40
		4.8.2.7	readHomePathSlash	40
4.9	game_	config.c Fi	le Reference	40
	4.9.1	Detailed	Description	41
	4.9.2	Function	Documentation	41
		4.9.2.1	addConfigListFile	41
		4.9.2.2	closeListGameConfig	42
		4.9.2.3	exportConfigFile	43
		4.9.2.4	importConfigFile	43
		4.9.2.5	makeConfigListFile	44
		4.9.2.6	newConfigFile	44
		4.9.2.7	newListGameConfig	45
		4.9.2.8	readConfigFile	45
		4.9.2.9	readConfigListFile	46
		4.9.2.10	removeConfigFile	46
		4.9.2.11	removeConfigListFile	47
4.10	game_	config.h Fi	ile Reference	47
	4.10.1	Detailed	Description	48
	4.10.2	Macro De	efinition Documentation	48
		4.10.2.1	CONFIGURATION_FILE_NAME	48
		4.10.2.2	CONFIGURATION_FOLDER_NAME	48
		4.10.2.3	STRING_CHECK_GAME_CONFIG	48
	4.10.3	Function	Documentation	49
		4.10.3.1	addConfigListFile	49
		4.10.3.2	closeListGameConfig	50
		4.10.3.3	exportConfigFile	50
		4.10.3.4	importConfigFile	51
		4.10.3.5	makeConfigListFile	51
		4.10.3.6	newConfigFile	52
		4.10.3.7	newListGameConfig	52
		4.10.3.8	readConfigFile	53
		4.10.3.9	readConfigListFile	53
		4.10.3.10	removeConfigFile	54
		4.10.3.11	removeConfigListFile	55
4.11	libcsup	er.h File R	deference	55
	4.11.1	Detailed	Description	55
	4.11.2		efinition Documentation	56
		4.11.2.1	NOT_LIBCSUPER	56

viii CONTENTS

4.12	main_a	rgument.c	c File Reference	 56
	4.12.1	Detailed	Description	 56
	4.12.2	Function	Documentation	 56
		4.12.2.1	displayHelp	 56
		4.12.2.2	searchArgument	 56
4.13	main_a	ırgument.h	h File Reference	 57
	4.13.1	Detailed	Description	 57
	4.13.2	Macro De	efinition Documentation	 58
		4.13.2.1	HELP	 58
		4.13.2.2	OPEN_FILE	 58
		4.13.2.3	READ_FILE	 58
		4.13.2.4	STRING_HELP	 58
		4.13.2.5	STRING_HELP_RED	 58
		4.13.2.6	STRING_OPEN_FILE	 58
		4.13.2.7	STRING_OPEN_FILE_RED	 58
		4.13.2.8	STRING_READ_FILE	 58
		4.13.2.9	STRING_READ_FILE_RED	 58
	4.13.3	Function	Documentation	 59
		4.13.3.1	displayHelp	 59
		4.13.3.2	searchArgument	 59
4.14	prefere	nces_files	s.c File Reference	 59
	4.14.1	Detailed	Description	 60
	4.14.2	Function	Documentation	 60
		4.14.2.1	changeSystemPath	 60
		4.14.2.2	createFileMainWidowSize	 60
		4.14.2.3	createFileSystemPath	 61
		4.14.2.4	createFileToolbarButtonPreferences	 61
		4.14.2.5	createPreferencesFolder	 62
		4.14.2.6	differentsToolbarButtonPreferencesStruct	 62
		4.14.2.7	readFileMainWidowSize	 62
		4.14.2.8	readFileSystemPath	 63
		4.14.2.9	readFileToolbarButtonPreferences	 63
		4.14.2.10	0 readSystemPath	 64
4.15	prefere	nces_files	s.h File Reference	 64
	4.15.1	Detailed	Description	 65
	4.15.2	Macro De	efinition Documentation	 65
		4.15.2.1	FILENAME_MAIN_WINDOW_SIZE	 65
		4.15.2.2	FILENAME_SYSTEM_PATH	 65
		4.15.2.3	FILENAME_TOOLBAR_BUTTON_PREFERENCES	 66
		4.15.2.4	PREFERENCES_FOLDER_NAME	 66

CONTENTS

4.15.3	Function Documentation	66
	4.15.3.1 changeSystemPath	66
	4.15.3.2 createFileMainWidowSize	66
	4.15.3.3 createFileSystemPath	67
	4.15.3.4 createFileToolbarButtonPreferences	67
	4.15.3.5 createPreferencesFolder	68
	4.15.3.6 differentsToolbarButtonPreferencesStruct	68
	4.15.3.7 readFileMainWidowSize	68
	4.15.3.8 readFileSystemPath	69
	4.15.3.9 readFileToolbarButtonPreferences	69
	4.15.3.10 readSystemPath	70
4.16 share.	c File Reference	70
4.16.1	Detailed Description	71
4.16.2	Function Documentation	71
	4.16.2.1 clearScreen	71
	4.16.2.2 compareFloatAscending	71
	4.16.2.3 compareFloatDescending	72
	4.16.2.4 integerToYesNo	72
	4.16.2.5 libcsuper_initialize	72
	4.16.2.6 myAlloc	72
	4.16.2.7 myRealloc	73
	4.16.2.8 wrongChoice	73
4.17 share.	h File Reference	73
4.17.1	Detailed Description	74
4.17.2	Macro Definition Documentation	74
	4.17.2.1	74
4.17.3	Function Documentation	74
	4.17.3.1 clearScreen	74
	4.17.3.2 compareFloatAscending	75
	4.17.3.3 compareFloatDescending	75
	4.17.3.4 integerToYesNo	75
	4.17.3.5 libcsuper_initialize	75
	4.17.3.6 myAlloc	76
	4.17.3.7 myRealloc	77
	4.17.3.8 wrongChoice	77
Index		78

Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

csuStruct	5
game_config	6
list_game_config	8
main_window_size	8
toolbar button preferences struct	9

Data Structure Index

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

csu_files	i.C	
	Files management	13
csu_files		
	Files management	15
csu_stru		
	Management of the csu files	18
csu_stru		
en.	Management of the csu files header	24
file.c	Files from the second	00
file.h	Files function of libcsuper	30
me.n	Header for the files function of libcsuper	32
filename	·	02
mename	Essential function of libcsuper	35
filename	·	00
		38
game co	·	
-	Game configuration	40
game_co	onfig.h	
	Game configurations	47
libcsuper		
	Inclusion of all header files of libcsuper	55
main_arg	gument.c	
	Begin csuper	56
main_arg	gument.h	
nroforon	Begin csuper	57
preieren	ces_files.c Function which store preferences into files	59
proforon	ces files.h	58
preferen		64
share.c	Trototypes des forfettoris qui remitalitation des ficiliers sauvegardes	0-
51141010	Essential function of libcsuper	70
share.h		
	Header for the essential function of libcsuper	73
	·	

File Index

Chapter 3

Data Structure Documentation

3.1 csuStruct Struct Reference

```
#include <csu_struct.h>
```

Data Fields

- float version
- float size_max_name
- float day
- float month
- · float year
- float nb_player
- game_config config
- char ** player_names
- float * total_points
- float * rank
- float * nb_turn
- · float distributor
- float ** point

3.1.1 Detailed Description

Represent a csu file

3.1.2 Field Documentation

3.1.2.1 game_config config

The game configuration.

3.1.2.2 float day

Day of the structure creation.

3.1.2.3 float distributor

Index of the distributor.

3.1.2.4 float month

Month of the structure creation.

3.1.2.5 float nb_player

Number of player.

3.1.2.6 float* nb_turn

Array containing the number of turn of all players.

3.1.2.7 char** player_names

Array containing the name of all players.

3.1.2.8 float** point

Array containing the points of all players in each turn.

3.1.2.9 float* rank

Array containing the rank of all players.

3.1.2.10 float size_max_name

Maximum size that can reach a player name.

3.1.2.11 float* total_points

Array containing the total score of all players.

3.1.2.12 float version

Version of the structure.

3.1.2.13 float year

Year of the structure creation.

The documentation for this struct was generated from the following file:

• csu_struct.h

3.2 game_config Struct Reference

#include <csu_struct.h>

Data Fields

- float nb_max
- · char first_way
- · char turn_based
- · char use_distributor
- · char decimal place
- char max
- char name [SIZE MAX NAME]
- · float begin_score

3.2.1 Detailed Description

Represent a game configuration

3.2.2 Field Documentation

3.2.2.1 float begin_score

The score of all players in the beginning of the game

3.2.2.2 char decimal_place

The number of decimal place which are display

3.2.2.3 char first_way

Is 1 if the first those has the maximum of points, -1 otherwise

3.2.2.4 char max

Is 1 if the game use a maximum, 0 if it's a minimum

3.2.2.5 char name[SIZE_MAX_NAME]

The name of the game configuration

3.2.2.6 float nb_max

Number maximum or minimum that can reach a player.

3.2.2.7 char turn_based

Is 1 if this is a turn-based game, 0 otherwise

3.2.2.8 char use_distributor

Is 1 if the game use a distributor, 0 otherwise

The documentation for this struct was generated from the following file:

• csu_struct.h

3.3 list_game_config Struct Reference

```
#include <game_config.h>
```

Data Fields

- int nb_config
- char ** name_game_config

3.3.1 Detailed Description

Represent a list of game configuration

3.3.2 Field Documentation

3.3.2.1 char** name_game_config

The list of the game configuration.

3.3.2.2 int nb_config

Number of game configuration.

The documentation for this struct was generated from the following file:

· game_config.h

3.4 main_window_size Struct Reference

```
#include <preferences_files.h>
```

Data Fields

- int width
- · int height
- int is_maximize

3.4.1 Detailed Description

All component of the man window size

3.4.2 Field Documentation

3.4.2.1 int height

The height of the main window

3.4.2.2 int is_maximize

Said if the main window is maximize or not

3.4.2.3 int width

The width of the main window

The documentation for this struct was generated from the following file:

preferences_files.h

3.5 toolbar_button_preferences_struct Struct Reference

```
#include <preferences_files.h>
```

Data Fields

- int new
- int open
- int save_as
- int separator_1
- int undo
- int redo
- int separator_2
- int cut
- int copy
- int paste
- int delete
- int separator_3
- · int properties
- int separator_4
- int preferences
- int game_configuration_preferences
- int toolbar_button_preferences
- int separator_5
- int about

3.5.1 Detailed Description

Represent the toolbar button preferences

3.5.2 Field Documentation

3.5.2.1 int about

The about button

3.5.2.2 int copy

The copy button

3.5.2.3 int cut

The cut button

3.5.2.4 int delete The delete button 3.5.2.5 int game_configuration_preferences The game configuration preferences button 3.5.2.6 int new The new button 3.5.2.7 int open The open button 3.5.2.8 int paste The paste button 3.5.2.9 int preferences The preferences button 3.5.2.10 int properties The properties button 3.5.2.11 int redo The redo button 3.5.2.12 int save_as The save_as button 3.5.2.13 int separator_1 The separator 1 3.5.2.14 int separator_2 The separator 2 3.5.2.15 int separator_3 The separator 3

3.5.2.16 int separator_4

The separator 4

3.5.2.17 int separator_5

The separator 5

3.5.2.18 int toolbar_button_preferences

The toolbar button preferences button

3.5.2.19 int undo

The undo button

The documentation for this struct was generated from the following file:

• preferences_files.h



Chapter 4

File Documentation

4.1 csu_files.c File Reference

```
Files management.
```

```
#include "csu_files.h"
```

Functions

- FILE * openFileCsuExtension (char file_name[], char mode[])
- csuStruct * readCsuFile (char *file_name)
- bool writeCsuFile (char *file_name, csuStruct *ptr_csu_struct)
- bool writeFileNewTurn (char *file_name, csuStruct *ptr_csu_struct)

4.1.1 Detailed Description

Files management.

Author

Remi BERTHO

Date

27/04/14

Version

2.2.0

4.1.2 Function Documentation

4.1.2.1 FILE * openFileCsuExtension (char file_name[], char mode[])

Open a file with his name and with a specific mode and add the file extension if necessary.

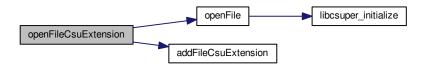
Parameters

in	file_name[]	the filename
in	mode[]	the mode

Returns

a pointer on the open file, NULL if there is a problem

Here is the call graph for this function:



4.1.2.2 csuStruct * readCsuFile (char * file_name)

Read the file with the name file_name and copy the result in a new csu structure.

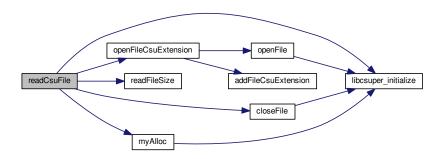
Parameters

in	file_name[]	the filename
----	-------------	--------------

Returns

a pointer on the new csu structure, NULL if there is a problem

Here is the call graph for this function:



4.1.2.3 bool writeCsuFile (char * file_name, csuStruct * ptr_csu_struct)

Write a csu file

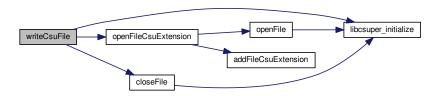
Parameters

in	*file_name	the filename
in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.1.2.4 bool writeFileNewTurn (char * file_name, csuStruct * ptr_csu_struct)

Update the file with the new scores

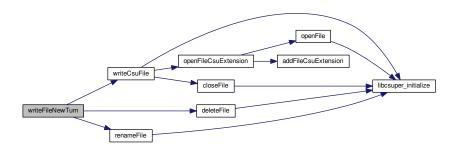
Parameters

in	*file_name	the filename
in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.2 csu_files.h File Reference

Files management.

```
#include "csu_struct.h"
#include "filename.h"
#include <unistd.h>
```

Macros

- #define SIZE MAX FILE NAME 1024
- #define FILE EXTENSION "csu"
- #define STRING_CHECK_CSU_FILE "CompteurScoreUniversel"

Functions

- FILE * openFileCsuExtension (char file_name[], char mode[])
- csuStruct * readCsuFile (char *file_name)
- bool writeCsuFile (char *file_name, csuStruct *ptr_csu_struct)
- bool writeFileNewTurn (char *file_name, csuStruct *ptr_csu_struct)

4.2.1 Detailed Description

Files management.

Author

Remi BERTHO

Date

16/04/14

Version

2.2.0

4.2.2 Macro Definition Documentation

4.2.2.1 #define FILE_EXTENSION "csu"

Define the file extension to "csu"

4.2.2.2 #define SIZE_MAX_FILE_NAME 1024

Define the size maximum of a filename to 1024

4.2.2.3 #define STRING_CHECK_CSU_FILE "CompteurScoreUniversel"

String for checking if the file is a csu file.

4.2.3 Function Documentation

4.2.3.1 FILE* openFileCsuExtension (char file_name[], char mode[])

Open a file with his name and with a specific mode and add the file extension if necessary.

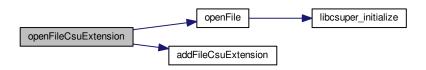
Parameters

in	file_name[]	the filename
in	mode[]	the mode

Returns

a pointer on the open file, NULL if there is a problem

Here is the call graph for this function:



4.2.3.2 csuStruct* readCsuFile (char * file_name)

Read the file with the name file_name and copy the result in a new csu structure.

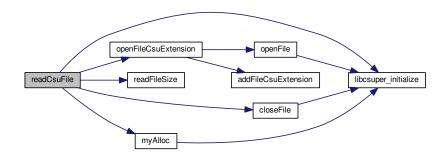
Parameters

in file_name[] the filename	
-----------------------------	--

Returns

a pointer on the new csu structure, NULL if there is a problem

Here is the call graph for this function:



4.2.3.3 bool writeCsuFile (char * file_name, csuStruct * ptr_csu_struct)

Write a csu file

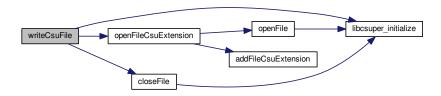
Parameters

in	*file_name	the filename
in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.2.3.4 bool writeFileNewTurn (char * file_name, csuStruct * ptr_csu_struct)

Update the file with the new scores

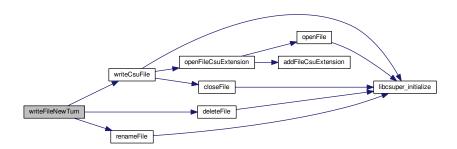
Parameters

in	*file_name	the filename
in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.3 csu_struct.c File Reference

Management of the csu files.

#include "csu_struct.h"

Functions

- csuStruct * newCsuStruct (float nb_player, game_config config)
- void closeCsuStruct (csuStruct *ptr_csu_struct)
- void startNewTurn (csuStruct *ptr_csu_struct, int index_player)
- void endNewTurn (csuStruct *ptr_csu_struct, int index_player)
- void rankCalculation (csuStruct *ptr_csu_struct)
- int searchIndexFromPosition (csuStruct *ptr_csu_struct, int position, int *nb)
- void addDistributorCsuStruct (csuStruct *ptr_csu_struct, char *distributor_name)
- bool exceedMaxNumber (csuStruct *ptr_csu_struct)
- int maxNbTurn (csuStruct *ptr_csu_struct)
- int searchPlayerIndex (csuStruct *ptr_csu_struct, char *player_name)
- bool differentsPlayerName (csuStruct *ptr_csu_struct)
- csuStruct * copyCsuStruct (csuStruct *ptr csu struct)

4.3.1 Detailed Description

Management of the csu files.

Author

Remi BERTHO

Date

15/06/14

Version

4.0.0

4.3.2 Function Documentation

4.3.2.1 void addDistributorCsuStruct (csuStruct * ptr_csu_struct, char * distributor_name)

Add the distributor on the structure

Parameters

in	*distributor	the name of the distributor
	name	
in	*ptr_csu_struct	a pointer on a csuStruct

Here is the call graph for this function:



4.3.2.2 void closeCsuStruct (csuStruct * ptr_csu_struct)

Free a csuStruct

Parameters

ı			
	in,out	*ptr_csu_struct	a pointer to the csuStruct

4.3.2.3 csuStruct * copyCsuStruct (csuStruct * ptr_csu_struct)

Copy a csu structure

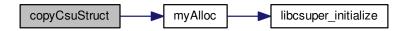
Parameters

in	*ptr_csu_struct	a pointer on a csuStruct

Returns

a pointer on the new csu structure

Here is the call graph for this function:



4.3.2.4 bool differentsPlayerName (csuStruct * ptr_csu_struct)

Search the index of a person

Parameters

in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if all player names are different, false otherwise

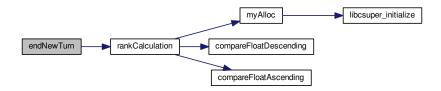
4.3.2.5 void endNewTurn (csuStruct * ptr_csu_struct, int index_player)

Update the total points, the number of turn, the distributor and the rank for a new turn

Parameters

in,out	*ptr_csu_struct	a pointer on a csuStruct
in,out	index_player	index_player the index of the player who begin a new turn, -1 if everybody
		begin a new turn

Here is the call graph for this function:



4.3.2.6 bool exceedMaxNumber (csuStruct * ptr_csu_struct)

Check if someone exceed the maximum number

Parameters

in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if someone exceed, false otherwise

4.3.2.7 int maxNbTurn (csuStruct * ptr_csu_struct)

Search the maximal number of turn

Parameters

in	*ptr_csu_struct	a pointer on a csuStruct
----	-----------------	--------------------------

Returns

the maximal number of turn

4.3.2.8 csuStruct * newCsuStruct (float nb_player, game_config config)

Create a new csuStruct from a game configuration and the number of player.

Parameters

in	nb_player	the number of player
in	config	the game configuration

Here is the call graph for this function:



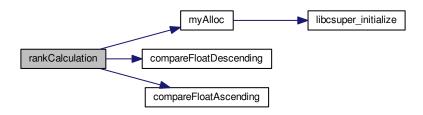
4.3.2.9 void rankCalculation (csuStruct * ptr_csu_struct)

Calculate the rank

Parameters

in,out	*ptr_csu_struct	a pointer on a csuStruct

Here is the call graph for this function:



4.3.2.10 int searchIndexFromPosition ($csuStruct*ptr_csu_struct*$, int position, int * nb)

Search the index in the array of the person who is the 'position' position

Parameters

in,out	*ptr_csu_struct	a pointer on a csuStruct
in,out	position	the position
in,out	nb	the nbth player who have the position will be selected

Returns

the index or NULL if the position doesn't exist

Here is the call graph for this function:



4.3.2.11 int searchPlayerIndex ($csuStruct*ptr_csu_struct$, $char*player_name$)

Search the index of a person

Parameters

in	*player_name	the name of the player
in	*ptr_csu_struct	a pointer on a csuStruct

Returns

the index, -1 if there is not found

Here is the call graph for this function:



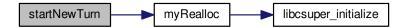
4.3.2.12 void startNewTurn (csuStruct * ptr_csu_struct, int index_player)

Reallocate the memory for the point to begin a new turn.

Parameters

in,out	*ptr_csu_struct	a pointer on a csuStruct
in,out	index_player	the index of the player who begin a new turn, -1 if everybody begin a new turn

Here is the call graph for this function:



4.4 csu_struct.h File Reference

Management of the csu files header.

```
#include <time.h>
#include <float.h>
#include "share.h"
#include "file.h"
```

Data Structures

- · struct game_config
- struct csuStruct

Macros

- #define SIZE MAX NAME 30
- #define VERSION 1.4

Functions

- csuStruct * newCsuStruct (float nb_player, game_config config)
- void closeCsuStruct (csuStruct *ptr_csu_struct)
- void startNewTurn (csuStruct *ptr_csu_struct, int index_player)
- void endNewTurn (csuStruct *ptr csu struct, int index player)
- void rankCalculation (csuStruct *ptr_csu_struct)
- int searchIndexFromPosition (csuStruct *ptr csu struct, int position, int *nb)
- void addDistributorCsuStruct (csuStruct *ptr csu struct, char *distributor name)
- bool exceedMaxNumber (csuStruct *ptr_csu_struct)
- int maxNbTurn (csuStruct *ptr_csu_struct)
- int searchPlayerIndex (csuStruct *ptr_csu_struct, char *player_name)
- bool differentsPlayerName (csuStruct *ptr_csu_struct)
- csuStruct * copyCsuStruct (csuStruct *ptr_csu_struct)

4.4.1 Detailed Description

Management of the csu files header.

Author

Remi BERTHO

Date

16/06/14

Version

4.0.0

4.4.2 Macro Definition Documentation

4.4.2.1 #define SIZE_MAX_NAME 30

Define size max of name to 30

4.4.2.2 #define VERSION 1.4

Define the version to 1.4

4.4.3 Function Documentation

4.4.3.1 void addDistributorCsuStruct (csuStruct * ptr_csu_struct, char * distributor_name)

Add the distributor on the structure

Parameters

in	*distributor	the name of the distributor
	name	
in	*ptr_csu_struct	a pointer on a csuStruct

Here is the call graph for this function:



4.4.3.2 void closeCsuStruct (csuStruct * ptr_csu_struct)

Free a csuStruct

Parameters

in,out	*ptr_csu_struct	a pointer to the csuStruct
--------	-----------------	----------------------------

4.4.3.3 csuStruct* copyCsuStruct (csuStruct * ptr_csu_struct)

Copy a csu structure

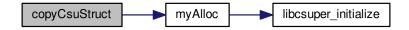
Parameters

in	*ptr_csu_struct	a pointer on a csuStruct
----	-----------------	--------------------------

Returns

a pointer on the new csu structure

Here is the call graph for this function:



4.4.3.4 bool differentsPlayerName (csuStruct * ptr_csu_struct)

Search the index of a person

in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if all player names are different, false otherwise

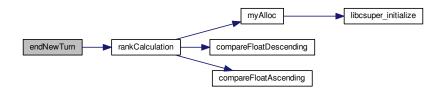
4.4.3.5 void endNewTurn ($csuStruct*ptr_csu_struct$, int index_player)

Update the total points, the number of turn, the distributor and the rank for a new turn

Parameters

in,out	*ptr_csu_struct	a pointer on a csuStruct
in,out	index_player	index_player the index of the player who begin a new turn, -1 if everybody
		begin a new turn

Here is the call graph for this function:



4.4.3.6 bool exceedMaxNumber (csuStruct * ptr_csu_struct)

Check if someone exceed the maximum number

Parameters

in	*ptr_csu_struct	a pointer on a csuStruct

Returns

true if someone exceed, false otherwise

4.4.3.7 int maxNbTurn (csuStruct * ptr_csu_struct)

Search the maximal number of turn

Parameters

in	*ptr_csu_struct	a pointer on a csuStruct

Returns

the maximal number of turn

4.4.3.8 csuStruct* newCsuStruct (float nb_player, game_config config)

Create a new csuStruct from a game configuration and the number of player.

Parameters

in	nb_player	the number of player
in	config	the game configuration

Here is the call graph for this function:



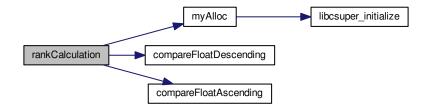
4.4.3.9 void rankCalculation (csuStruct * ptr_csu_struct)

Calculate the rank

Parameters

in,out	*ptr_csu_struct	a pointer on a csuStruct
--------	-----------------	--------------------------

Here is the call graph for this function:



4.4.3.10 int searchIndexFromPosition ($csuStruct*ptr_csu_struct*, int position*, int*nb*)$

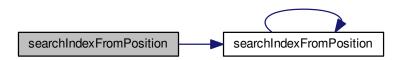
Search the index in the array of the person who is the 'position' position

in,out	*ptr_csu_struct	a pointer on a csuStruct
in,out	position	the position
in,out	nb	the nbth player who have the position will be selected

Returns

the index or NULL if the position doesn't exist

Here is the call graph for this function:



4.4.3.11 int searchPlayerIndex ($csuStruct*ptr_csu_struct*, char*player_name$)

Search the index of a person

Parameters

in	*player_name	the name of the player
in	*ptr_csu_struct	a pointer on a csuStruct

Returns

the index, -1 if there is not found

Here is the call graph for this function:

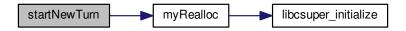


4.4.3.12 void startNewTurn (csuStruct * ptr_csu_struct, int index_player)

Reallocate the memory for the point to begin a new turn.

in,out	*ptr_csu_struct	a pointer on a csuStruct
in,out	index_player	the index of the player who begin a new turn, -1 if everybody begin a new turn

Here is the call graph for this function:



4.5 file.c File Reference

```
Files function of libcsuper.
```

```
#include "file.h"
```

Functions

- FILE * openFile (char file_name[], char mode[])
- int closeFile (FILE *ptr_file)
- int readFileSize (FILE *ptr_file)
- bool deleteFile (char *file_name)
- bool renameFile (char *old_name, char *new_name)

4.5.1 Detailed Description

Files function of libcsuper.

Author

Remi BERTHO

Date

05/07/14

Version

4.0.1

4.5.2 Function Documentation

4.5.2.1 int closeFile (FILE * ptr_file)

Close the file

4.5 file.c File Reference 31

r			
-	in	∗ptr file	the file
-	T11	*Pu_111C	the me

Returns

0 if everything is OK, 1 otherwise

Here is the call graph for this function:



4.5.2.2 bool deleteFile (char * file_name)

Delete a file

Parameters

	ė.	
in	*file_name	the filename

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.5.2.3 FILE * openFile (char file_name[], char mode[])

Open a file with his name and with a specific mode.

in	file_name[]	the filename
in	mode[]	the mode

Returns

a pointer to the open file, NULL if there was a problem

Here is the call graph for this function:



4.5.2.4 int readFileSize (FILE * ptr_file)

Read the size of the file

Parameters

1 1	n	*ptr_file	the file

Returns

the size of the file

4.5.2.5 bool renameFile (char * old_name, char * new_name)

Rename a file.

Parameters

in	*old_name	the old name of the file
in	*new_name	the new name of the file

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.6 file.h File Reference

Header for the files function of libcsuper.

4.6 file.h File Reference

```
#include "share.h"
```

Functions

- FILE * openFile (char nome[], char mode[])
- int closeFile (FILE *ptr_file)
- int readFileSize (FILE *ptr_file)
- bool deleteFile (char *file_name)
- bool renameFile (char *old_name, char *new_name)

4.6.1 Detailed Description

Header for the files function of libcsuper.

Author

Remi BERTHO

Date

05/07/14

Version

4.0.1

4.6.2 Function Documentation

4.6.2.1 int closeFile (FILE * ptr_file)

Close the file

Parameters

in	*ptr_file	the file
----	-----------	----------

Returns

0 if everything is OK, 1 otherwise

Here is the call graph for this function:



4.6.2.2 bool deleteFile (char * file_name)

Delete a file

Parameters

in	*file_name	the filename

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.6.2.3 FILE* openFile (char file_name[], char mode[])

Open a file with his name and with a specific mode.

Parameters

in	file_name[]	the filename
in	mode[]	the mode

Returns

a pointer to the open file, NULL if there was a problem

Here is the call graph for this function:



4.6.2.4 int readFileSize (FILE * ptr_file)

Read the size of the file

in	*ptr file	the file
T11	*pu_1116	the nic

Returns

the size of the file

4.6.2.5 bool renameFile (char * old_name, char * new_name)

Rename a file.

Parameters

in	*old_name	the old name of the file
in	*new_name	the new name of the file

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.7 filename.c File Reference

Essential function of libcsuper.

#include "filename.h"

Functions

- void addFileCsuExtension (char *file_name)
- bool getFolderFromFilename (char *file_name_to_folder)
- bool getSimpleFilenameFromFullFilename (char *full_filename, char *simple_filename)
- bool checkPath (char *path)
- bool checkFilename (char *filename, char *folder)
- void readHomePath (char *path)
- void readHomePathSlash (char *path)

4.7.1 Detailed Description

Essential function of libcsuper.

Author

Remi BERTHO

Date

05/07/14

Version

4.0.1

4.7.2 Function Documentation

4.7.2.1 void addFileCsuExtension (char * file_name)

Add the csu file extension

Parameters

in	file name	the filename
	_	

4.7.2.2 bool checkFilename (char * filename, char * folder)

Test if the filename is valid

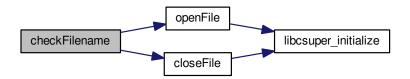
Parameters

in,out	*filename	the filename
in,out	*folder	the folder where the filename will be tested, may be ""

Returns

true if the filename is valid OK, false otherwise

Here is the call graph for this function:



4.7.2.3 bool checkPath (char * path)

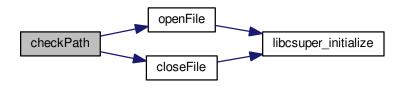
Test if the path is valid

in,out	*path	the path
--------	-------	----------

Returns

true if the path is valid OK, false otherwise

Here is the call graph for this function:



4.7.2.4 bool getFolderFromFilename (char * file_name_to_folder)

Transform a filename into his folder

Parameters

in	file name to -	the filename
T 11	nie_name_to	the niename
	tolder	
	101401	

Returns

true if everything is OK, false otherwise

4.7.2.5 bool getSimpleFilenameFromFullFilename (char * full_filename, char * simple_filename)

Transform a full filename into his simple filename (without the folder)

Parameters

in	full_filename	the full filename
in	simple_filename	the full filename

Returns

true if everything is OK, false otherwise

4.7.2.6 void readHomePath (char * path)

Read the home path

Parameters

in,out	path	the path
--------	------	----------

Read the home path with a slash at the end

Parameters

in,out	path	the path

4.7.2.7 void readHomePathSlash (char * path)

4.8 filename.h File Reference

Header for the essential function of libcsuper.

```
#include "preferences_files.h"
```

Functions

- void addFileCsuExtension (char *file_name)
- bool getFolderFromFilename (char *file_name_to_folder)
- bool getSimpleFilenameFromFullFilename (char *full_filename, char *simple_filename)
- bool checkPath (char *path)
- bool checkFilename (char *filename, char *folder)
- void readHomePath (char *path)
- void readHomePathSlash (char *path)

4.8.1 Detailed Description

Header for the essential function of libcsuper.

Author

Remi BERTHO

Date

05/07/14

Version

4.0.1

4.8.2 Function Documentation

4.8.2.1 void addFileCsuExtension (char * file_name)

Add the csu file extension

in	file_name	the filename

4.8.2.2 bool checkFilename (char * filename, char * folder)

Test if the filename is valid

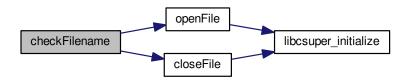
Parameters

in,out	*filename	the filename
in,out	*folder	the folder where the filename will be tested, may be ""

Returns

true if the filename is valid OK, false otherwise

Here is the call graph for this function:



4.8.2.3 bool checkPath (char * path)

Test if the path is valid

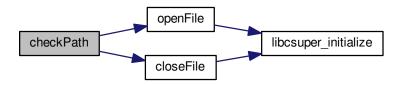
Parameters

in,out	*path	the path
--------	-------	----------

Returns

true if the path is valid OK, false otherwise

Here is the call graph for this function:



4.8.2.4 bool getFolderFromFilename (char * file_name_to_folder)

Transform a filename into his folder

Parameters

in	file_name_to	the filename
	folder	

Returns

true if everything is OK, false otherwise

4.8.2.5 bool getSimpleFilenameFromFullFilename (char * full_filename, char * simple_filename)

Transform a full filename into his simple filename (without the folder)

Parameters

in	full_filename	the full filename
in	simple_filename	the full filename

Returns

true if everything is OK, false otherwise

4.8.2.6 void readHomePath (char * path)

Read the home path

Parameters

in,out	path	the path

Read the home path with a slash at the end

Parameters

in,out	path	the path

4.8.2.7 void readHomePathSlash (char * path)

4.9 game_config.c File Reference

Game configuration.

```
#include "game_config.h"
```

Functions

- list_game_config * newListGameConfig (int nb_config)
- void closeListGameConfig (list_game_config *ptr_list_config)
- bool makeConfigListFile (char *home_path)
- list_game_config * readConfigListFile (char *home_path)
- bool addConfigListFile (char *new_config_name, char *home_path)
- bool removeConfigListFile (int index_delete, list_game_config *ptr_list_config, char *home_path)

- bool newConfigFile (game_config config, char *home_path)
- bool removeConfigFile (char *config_name, char *home_path)
- bool readConfigFile (int index_read, list_game_config *ptr_list_config, game_config *ptr_config, char *home_path)
- bool exportConfigFile (char *home path, char *file name)
- bool importConfigFile (char *home_path, char *file_name)

4.9.1 Detailed Description

Game configuration.

Author

Remi BERTHO

Date

29/04/14

Version

2.4.0

4.9.2 Function Documentation

4.9.2.1 bool addConfigListFile (char * new_config_name, char * home_path)

Add a new game configuration into the file which contain the list of game configuration.

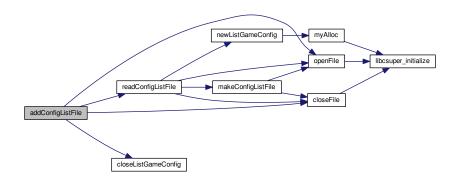
Parameters

in	new_config name	the name of the new game configuration
in	home_path	the path to the home directory

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.9.2.2 void closeListGameConfig (list_game_config * ptr_list_config)

Free a list of game configuration

in	*ptr_list_config	a pointer on a list of game configuration

4.9.2.3 bool exportConfigFile (char * home_path, char * file_name)

Export all config file into a file.

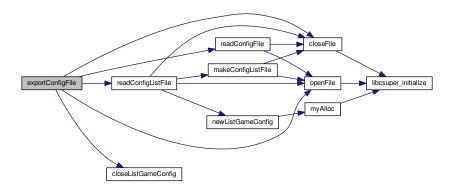
Parameters

in	file_name	the filename of the exported file.
in	home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.9.2.4 bool importConfigFile (char * home_path, char * file_name)

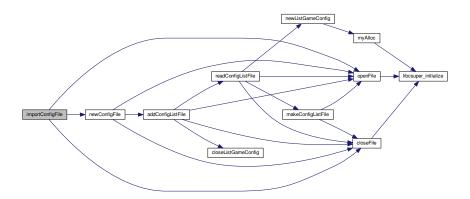
Import all config file from a file.

in	file_name	the filename of the exported file.
in	home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.9.2.5 bool makeConfigListFile (char * home_path)

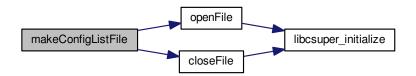
Create the folder which contain the games configurations and the files which contain the list of games configurations Parameters

in	*home_path	the path to the home directory
----	------------	--------------------------------

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.9.2.6 bool newConfigFile (game_config config, char * home_path)

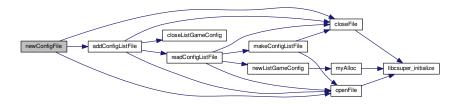
Create a game configuration file and put it into the game configuration file list.

in	config	the gale configuration
in	home_path	the path to the home directory

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.9.2.7 list_game_config * newListGameConfig (int nb_config)

Create a list of game configuration.

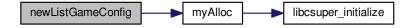
Parameters

in	nb_config	the number of game configuration

Returns

une list_game_config

Here is the call graph for this function:



4.9.2.8 bool readConfigFile (int index_read, list_game_config * ptr_list_config, game_config * ptr_config, char * home_path)

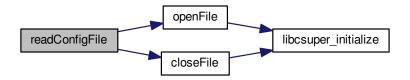
Read a game configuration file.

in	index_read	the index of the game configuration to be read
in	ptr_list_config	a pointer on the game configration list
in	ptr_config	a pointer on a game configuration
in	home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.9.2.9 list_game_config * readConfigListFile (char * home_path)

Read the file which contain the list of game configuration.

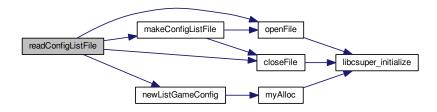
Parameters

in	*home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.9.2.10 bool removeConfigFile ($char * config_name$, $char * home_path$)

Delete a game configuration.

in	config_name	the name of the game configuration which will be deleted
in	home_path	the path to the home directory

Returns

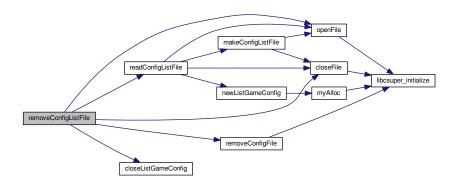
true if everything is OK, false otherwise

Here is the call graph for this function:



4.9.2.11 bool removeConfigListFile (int index_delete, list_game_config * ptr_list_config, char * home_path)

Here is the call graph for this function:



4.10 game_config.h File Reference

Game configurations.

```
#include <math.h>
#include "csu_struct.h"
#include "preferences_files.h"
```

Data Structures

· struct list_game_config

Macros

- #define CONFIGURATION_FOLDER_NAME "config"
- #define CONFIGURATION_FILE_NAME "configuration"
- #define STRING_CHECK_GAME_CONFIG "Csuper_Game_Configuration"

Functions

- list_game_config * newListGameConfig (int nb_config)
- void closeListGameConfig (list_game_config *ptr_list_config)
- bool makeConfigListFile (char *home_path)
- list_game_config * readConfigListFile (char *home_path)
- bool addConfigListFile (char *new_config_name, char *home_path)
- bool removeConfigListFile (int index_delete, list_game_config *ptr_list_config, char *home_path)
- bool newConfigFile (game_config config, char *home_path)
- bool removeConfigFile (char *config_name, char *home_path)
- bool readConfigFile (int index_read, list_game_config *ptr_list_config, game_config *ptr_config, char *home_path)
- bool exportConfigFile (char *home_path, char *file_name)
- bool importConfigFile (char *home_path, char *file_name)

4.10.1 Detailed Description

Game configurations.

Author

Remi BERTHO

Date

29/04/14

Version

2.4.0

4.10.2 Macro Definition Documentation

4.10.2.1 #define CONFIGURATION_FILE_NAME "configuration"

Define the name of the file which contain the list of the game configurations

4.10.2.2 #define CONFIGURATION_FOLDER_NAME "config"

Define the name of the folder which contain the game configurations

4.10.2.3 #define STRING_CHECK_GAME_CONFIG "Csuper_Game_Configuration"

String for checking if the file is game configuration file.

4.10.3 Function Documentation

4.10.3.1 bool addConfigListFile (char * new_config_name, char * home_path)

Add a new game configuration into the file which contain the list of game configuration.

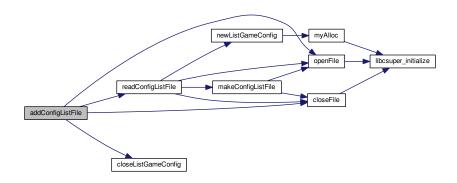
Parameters

in	new_config	the name of the new game configuration
	name	
in	home_path	the path to the home directory

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.10.3.2 void closeListGameConfig ($list_game_config * ptr_list_config$)

Free a list of game configuration

Parameters

in	*ptr_list_config	a pointer on a list of game configuration
----	------------------	---

4.10.3.3 bool exportConfigFile (char * home_path, char * file_name)

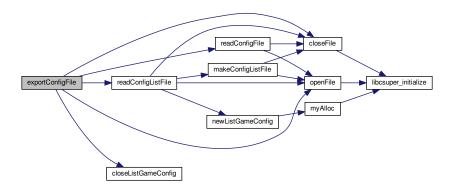
Export all config file into a file.

in	file_name	the filename of the exported file.
in	home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.10.3.4 bool importConfigFile (char * home_path, char * file_name)

Import all config file from a file.

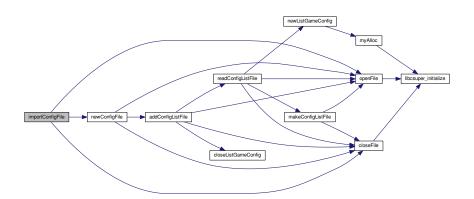
Parameters

in	file_name	the filename of the exported file.
in	home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.10.3.5 bool makeConfigListFile (char * home_path)

Create the folder which contain the games configurations and the files which contain the list of games configurations

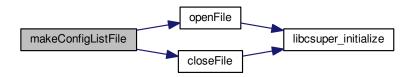
Parameters

ı			
	in	*home_path	the path to the home directory

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.10.3.6 bool newConfigFile (game_config config, char * home_path)

Create a game configuration file and put it into the game configuration file list.

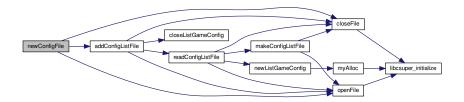
Parameters

in	config	the gale configuration
in	home_path	the path to the home directory

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.10.3.7 list_game_config* newListGameConfig (int nb_config)

Create a list of game configuration.

in	nb_config	the number of game configuration

Returns

une list_game_config

Here is the call graph for this function:



4.10.3.8 bool readConfigFile (int index_read, list_game_config * ptr_list_config, game_config * ptr_config, char * home_path)

Read a game configuration file.

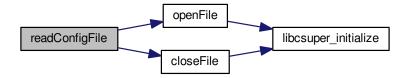
Parameters

in	index_read	the index of the game configuration to be read
in	ptr_list_config	a pointer on the game configration list
in	ptr_config	a pointer on a game configuration
in	home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.10.3.9 list_game_config* readConfigListFile (char * home_path)

Read the file which contain the list of game configuration.

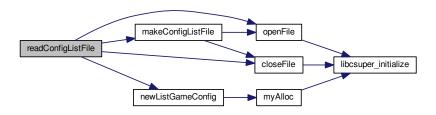
Parameters

in	*home_path	the path to the home directory

Returns

a list_game_config

Here is the call graph for this function:



4.10.3.10 bool removeConfigFile (char * config_name, char * home_path)

Delete a game configuration.

Parameters

in	config_name	the name of the game configuration which will be deleted
in	home_path	the path to the home directory

Returns

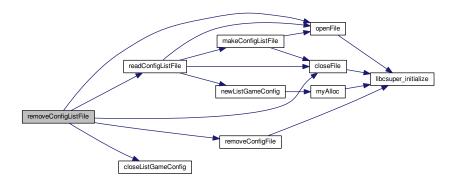
true if everything is OK, false otherwise

Here is the call graph for this function:



4.10.3.11 bool removeConfigListFile (int index_delete, list_game_config * ptr_list_config, char * home_path)

Here is the call graph for this function:



4.11 libcsuper.h File Reference

Inclusion of all header files of libcsuper.

```
#include "csu_struct.h"
#include "share.h"
#include "csu_files.h"
#include "preferences_files.h"
#include "main_argument.h"
#include "game_config.h"
#include "file.h"
#include "filename.h"
```

Macros

• #define NOT_LIBCSUPER

4.11.1 Detailed Description

Inclusion of all header files of libcsuper.

Author

Remi BERTHO

Date

25/08/14

Version

4.0.2

4.11.2 Macro Definition Documentation

4.11.2.1 #define NOT_LIBCSUPER

Define that we don't compile libcsuper

4.12 main_argument.c File Reference

```
Begin csuper.
```

```
#include "main_argument.h"
```

Functions

- bool searchArgument (int argc, char *argv[], int *function, int *file_place)
- void displayHelp ()

4.12.1 Detailed Description

Begin csuper.

Author

Remi BERTHO

Date

16/04/14

Version

2.2.0

4.12.2 Function Documentation

```
4.12.2.1 void displayHelp ( )
```

Display the help

Here is the call graph for this function:



4.12.2.2 bool searchArgument (int argc, char * argv[], int * function, int * file_place)

Search the argument passed to the main function

in	argc	the number of argument
in	argv	the array of argument
in	function	integer which determine which function run
in	file_place	integer which determine the index of the filename

Returns

true if the function founded an argument, false otherwise

Here is the call graph for this function:



4.13 main_argument.h File Reference

Begin csuper.

#include "share.h"

Macros

- #define STRING READ FILE "--read"
- #define STRING_READ_FILE_RED "-r"
- #define READ_FILE 0
- #define STRING_OPEN_FILE "--open"
- #define STRING_OPEN_FILE_RED "-o"
- #define OPEN_FILE 1
- #define STRING_HELP "--help"
- #define STRING_HELP_RED "-h"
- #define HELP 2

Functions

- bool searchArgument (int argc, char *argv[], int *function, int *file_place)
- void displayHelp ()

4.13.1 Detailed Description

Begin csuper.

Author

Remi BERTHO

Date

16/04/14

Version

2.2.0

4.13.2 Macro Definition Documentation

4.13.2.1 #define HELP 2

Define the call help to 2

4.13.2.2 #define OPEN_FILE 1

Define the call to read a file to 1

4.13.2.3 #define READ_FILE 0

Define the call to read a file to 0

4.13.2.4 #define STRING_HELP "--help"

Define the argument which call help to "--help"

4.13.2.5 #define STRING_HELP_RED "-h"

Define the reduce argument which call help to "-h"

4.13.2.6 #define STRING_OPEN_FILE "--open"

Define the argument which call to open a file to "--open"

4.13.2.7 #define STRING_OPEN_FILE_RED "-o"

Define the reduce argument which call to open a file to "-o"

4.13.2.8 #define STRING_READ_FILE "--read"

Define the argument which call to read a file to "--read"

4.13.2.9 #define STRING_READ_FILE_RED "-r"

Define the reduce argument which call to read a file to "-r"

4.13.3 Function Documentation

4.13.3.1 void displayHelp ()

Display the help

Here is the call graph for this function:



4.13.3.2 bool searchArgument (int argc, char * argv[], int * function, int * file_place)

Search the argument passed to the main function

Parameters

in	argc	the number of argument
in	argv	the array of argument
in	function	integer which determine which function run
in	file_place	integer which determine the index of the filename

Returns

true if the function founded an argument, false otherwise

Here is the call graph for this function:



4.14 preferences_files.c File Reference

Function which store preferences into files.

#include "preferences_files.h"

Functions

- void createPreferencesFolder (char *home_path)
- bool createFileToolbarButtonPreferences (char *home_path, toolbar_button_preferences_struct toolbar)

- bool readFileToolbarButtonPreferences (char *home_path, toolbar_button_preferences_struct *toolbar)
- bool differentsToolbarButtonPreferencesStruct (toolbar_button_preferences_struct toolbar1, toolbar_button_preferences_struct toolbar2)
- bool createFileMainWidowSize (char *home_path, main_window_size size)
- bool readFileMainWidowSize (char *home_path, main_window_size *size)
- bool createFileSystemPath ()
- bool readFileSystemPath (char *file_name)
- bool readSystemPath (char *file name)
- bool changeSystemPath (char *new_path)

4.14.1 Detailed Description

Function which store preferences into files.

Author

Remi BERTHO

Date

05/07/14

Version

4.0.1

4.14.2 Function Documentation

4.14.2.1 bool changeSystemPath (char * new_path)

Change the system path

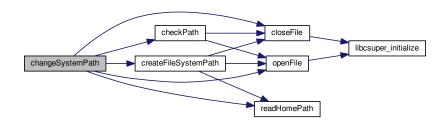
Parameters

in,out	*new_path	the new path

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.14.2.2 bool createFileMainWidowSize (char * home_path, main_window_size size)

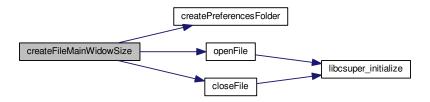
Create the file which contain the main window size

in	home_path	the path to the home directory
in	size	the size of the main window

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



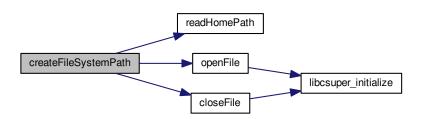
4.14.2.3 bool createFileSystemPath ()

Create the folder and the file which contain the system path

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



 $4.14.2.4 \quad bool\ create File Toolbar Button Preferences\ (\ char*{\it home_path},\ toolbar_button_preferences_struct\ {\it toolbar}\)$

Create the file which contain the preferences for the toolbar button

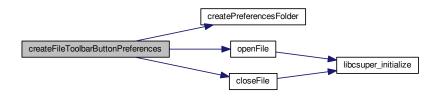
Parameters

in	home_path	the path to the home directory
in	toolbar	the toolbar button preferences

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.14.2.5 void createPreferencesFolder (char * home_path)

Create the folder which contain all preferences

Parameters

in	home_path	the path to the home directory

4.14.2.6 bool differentsToolbarButtonPreferencesStruct (toolbar_button_preferences_struct toolbar1, toolbar_button_preferences_struct toolbar2)

Test if the two toolbar button preferences are different

Parameters

in	toolbar1	the first toolbar button preferences
in	toolbar2	the second toolbar button preferences

Returns

true if everything is OK, false otherwise

4.14.2.7 bool readFileMainWidowSize (char * home_path, main_window_size * size)

Read the file which contain the main window size

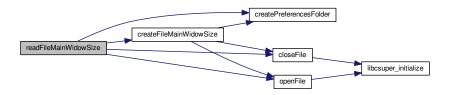
in	home_path	the path to the home directory
----	-----------	--------------------------------

in	size	the size of the main window

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.14.2.8 bool readFileSystemPath (char * file_name)

Read the system path and the path read to the filename

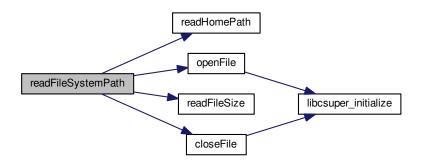
Parameters

in,out	*file_name	the filename
--------	------------	--------------

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.14.2.9 bool readFileToolbarButtonPreferences (char * home_path, toolbar_button_preferences_struct * toolbar)

Read the file which contain the preferences for the toolbar button

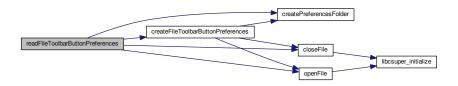
Parameters

in	home_path	the path to the home directory
in	toolbar	the toolbar button preferences

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.14.2.10 bool readSystemPath (char * file_name)

Add the system path, if the file system path doesn't exist, it create it.

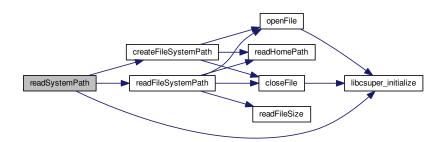
Parameters

in,out	*file name	the filename
·		

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15 preferences_files.h File Reference

Prototypes des fonctions qui l'emrankment des fichiers sauvegardes.

```
#include <sys/stat.h>
#include <sys/types.h>
#include "csu_struct.h"
#include "csu_files.h"
#include "filename.h"
```

Data Structures

- · struct toolbar button preferences struct
- · struct main window size

Macros

- #define FILENAME_SYSTEM_PATH "system_path.txt"
- #define FILENAME_TOOLBAR_BUTTON_PREFERENCES "toolbar_button_preferences.txt"
- #define FILENAME MAIN WINDOW SIZE "main window size.txt"
- #define PREFERENCES FOLDER NAME ".csuper"

Functions

- void createPreferencesFolder (char *home_path)
- bool createFileToolbarButtonPreferences (char *home path, toolbar button preferences struct toolbar)
- bool readFileToolbarButtonPreferences (char *home path, toolbar button preferences struct *toolbar)
- bool differentsToolbarButtonPreferencesStruct (toolbar_button_preferences_struct toolbar1, toolbar_button_preferences_struct toolbar2)
- bool createFileMainWidowSize (char *home_path, main_window_size size)
- bool readFileMainWidowSize (char *home_path, main_window_size *size)
- bool createFileSystemPath ()
- bool readFileSystemPath (char *file_name)
- bool readSystemPath (char *file_name)
- bool changeSystemPath (char *new_path)

4.15.1 Detailed Description

Prototypes des fonctions qui l'emrankment des fichiers sauvegardes.

Author

Remi BERTHO

Date

05/07/14

Version

4.0.1

4.15.2 Macro Definition Documentation

4.15.2.1 #define FILENAME_MAIN_WINDOW_SIZE "main_window_size.txt"

4.15.2.2 #define FILENAME_SYSTEM_PATH "system_path.txt"

Define filename of the file which contain the system path

4.15.2.3 #define FILENAME_TOOLBAR_BUTTON_PREFERENCES "toolbar_button_preferences.txt"

Define filename of the file which contain the toolbar button preferences

4.15.2.4 #define PREFERENCES_FOLDER_NAME ".csuper"

Define the folder name of the csuper preferences

4.15.3 Function Documentation

4.15.3.1 bool changeSystemPath (char * new_path)

Change the system path

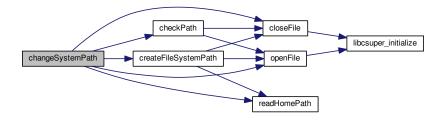
Parameters

in,out	*new_path	the new path
--------	-----------	--------------

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15.3.2 bool createFileMainWidowSize (char * home_path, main_window_size size)

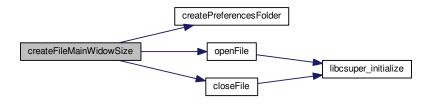
Create the file which contain the main window size

in	home_path	the path to the home directory
in	size	the size of the main window

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



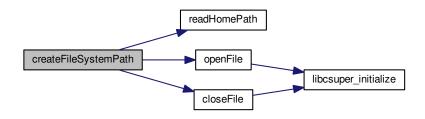
4.15.3.3 bool createFileSystemPath ()

Create the folder and the file which contain the system path

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15.3.4 bool createFileToolbarButtonPreferences (char * home_path, toolbar_button_preferences_struct toolbar)

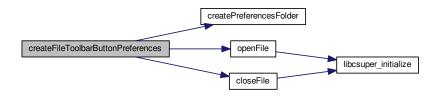
Create the file which contain the preferences for the toolbar button

in	home_path	the path to the home directory
in	toolbar	the toolbar button preferences

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15.3.5 void createPreferencesFolder (char * home_path)

Create the folder which contain all preferences

Parameters

in	home_path	the path to the home directory
----	-----------	--------------------------------

4.15.3.6 bool differentsToolbarButtonPreferencesStruct (toolbar_button_preferences_struct toolbar1, toolbar_button_preferences_struct toolbar2)

Test if the two toolbar button preferences are different

Parameters

in	toolbar1	the first toolbar button preferences
in	toolbar2	the second toolbar button preferences

Returns

true if everything is OK, false otherwise

4.15.3.7 bool readFileMainWidowSize (char * home_path, main_window_size * size)

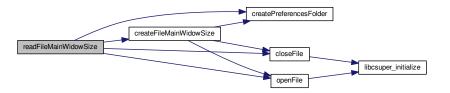
Read the file which contain the main window size

in	home_path	the path to the home directory
in	size	the size of the main window

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15.3.8 bool readFileSystemPath (char * file_name)

Read the system path and the path read to the filename

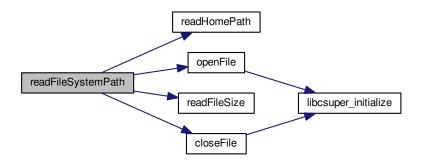
Parameters

in,out	*file_name	the filename

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15.3.9 bool readFileToolbarButtonPreferences (char * home_path, toolbar_button_preferences_struct * toolbar)

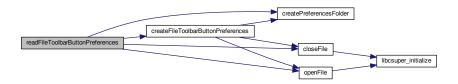
Read the file which contain the preferences for the toolbar button

in	home_path	the path to the home directory
in	toolbar	the toolbar button preferences

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.15.3.10 bool readSystemPath (char * file_name)

Add the system path, if the file system path doesn't exist, it create it.

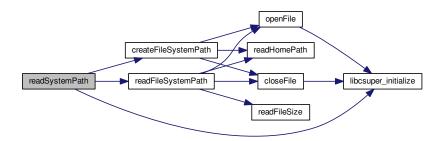
Parameters

	·	
in,out	*file_name	the filename

Returns

true if everything is OK, false otherwise

Here is the call graph for this function:



4.16 share.c File Reference

Essential function of libcsuper.

```
#include "share.h"
#include "csu_files.h"
```

Functions

- void libcsuper_initialize ()
- void wrongChoice ()
- void clearScreen ()
- int compareFloatAscending (void const *a, void const *b)
- int compareFloatDescending (void const *a, void const *b)
- void * myAlloc (int size_alloue)
- void myRealloc (void **ptr, int size_alloue)
- char * integerToYesNo (int i, char *yes, char *no)

4.16.1 Detailed Description

Essential function of libcsuper.

Author

Remi BERTHO

Date

05/07/14

Version

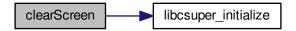
4.0.1

4.16.2 Function Documentation

4.16.2.1 void clearScreen ()

Clear the terminal.

Here is the call graph for this function:



4.16.2.2 int compareFloatAscending (void const *a, void const *b)

Compare 2 float

in	*a	a pointer on a float
in	*b	a pointer on a float

Returns

```
1 if a>b, 0 if a=b and -1 if a<b
```

4.16.2.3 int int compareFloatDescending (void const * a, void const * b)

Compare 2 float

Parameters

in	* <i>a</i>	a pointer on a float
in	* <i>b</i>	a pointer on a float

Returns

1 if a < b, 0 if a = b and -1 if a > b

4.16.2.4 char * integerToYesNo (int i, char * yes, char * no)

Transform an integer to yes or no

Parameters

in	i	the integer
in	yes	the yes string
in	no	the no string

Returns

yes if i > 0, no otherwise

4.16.2.5 void libcsuper_initialize ()

Initialize libcsuper with gettext.

4.16.2.6 void * myAlloc (int $size_alloue$)

Allocate a memory block and check if everything is OK.

in	size_alloue	the size

4.17 share.h File Reference 73

Returns

a pointer on the allocate memory block

Here is the call graph for this function:



4.16.2.7 void myRealloc (void ** ptr, int size_alloue)

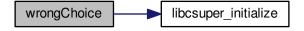
Here is the call graph for this function:



4.16.2.8 void wrongChoice ()

Display an error message.

Here is the call graph for this function:



4.17 share.h File Reference

Header for the essential function of libcsuper.

```
#include <stdio.h>
#include <stdlib.h>
#include <errno.h>
#include <string.h>
#include <libintl.h>
#include <stdbool.h>
```

Macros

• #define _(String) dgettext ("libcsuper", String)

Functions

- · void libcsuper_initialize ()
- void wrongChoice ()
- void clearScreen ()
- int compareFloatDescending (void const *a, void const *b)
- int compareFloatAscending (void const *a, void const *b)
- void * myAlloc (int size_alloue)
- void myRealloc (void **ptr, int size_alloue)
- char * integerToYesNo (int i, char *yes, char *no)

4.17.1 Detailed Description

Header for the essential function of libcsuper.

Author

Remi BERTHO

Date

25/08/14

Version

4.0.2

4.17.2 Macro Definition Documentation

```
4.17.2.1 #define _( String ) dgettext ("libcsuper", String)
```

Define the _ for gettext.

4.17.3 Function Documentation

```
4.17.3.1 void clearScreen ( )
```

Clear the terminal.

Here is the call graph for this function:



4.17.3.2 int compareFloatAscending (void const * a, void const * b)

Compare 2 float

Parameters

in	* <i>a</i>	a pointer on a float
in	*b	a pointer on a float

Returns

1 if a>b, 0 if a=b and -1 if a<b

4.17.3.3 int compareFloatDescending (void const * a, void const * b)

Compare 2 float

Parameters

in	* <i>a</i>	a pointer on a float
in	*b	a pointer on a float

Returns

1 if a < b, 0 if a=b and -1 if a > b

4.17.3.4 char* integerToYesNo (int i, char * yes, char * no)

Transform an integer to yes or no

Parameters

in	i	the integer
in	yes	the yes string
in	no	the no string

Returns

yes if i > 0, no otherwise

4.17.3.5 void libcsuper_initialize ()

Initialize libcsuper with gettext.

4.17.3.6 void* myAlloc (int size_alloue)

Allocate a memory block and check if everything is OK.

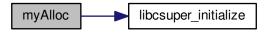
Parameters

in	size_alloue	the size

Returns

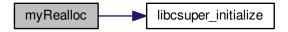
a pointer on the allocate memory block

Here is the call graph for this function:



4.17.3.7 void myRealloc (void ** ptr, int size_alloue)

Here is the call graph for this function:



4.17.3.8 void wrongChoice ()

Display an error message.

Here is the call graph for this function:



Index

	csu_struct.c, 20
share.h, 74	csu_struct.h, 26
,	createFileMainWidowSize
about	preferences_files.c, 60
toolbar_button_preferences_struct, 9	preferences_files.h, 66
addConfigListFile	createFileSystemPath
game_config.c, 41	preferences_files.c, 61
game_config.h, 49	preferences files.h, 67
addDistributorCsuStruct	createFileToolbarButtonPreferences
csu_struct.c, 19	preferences files.c, 61
csu_struct.h, 25	preferences_files.h, 67
addFileCsuExtension	createPreferencesFolder
filename.c, 36	preferences_files.c, 62
filename.h, 38	preferences_files.h, 68
	csu_files.c, 13
begin_score	openFileCsuExtension, 13
game_config, 7	readCsuFile, 14
changeSystemPath	writeCsuFile, 14
preferences_files.c, 60	writeFileNewTurn, 15
preferences_files.h, 66	csu_files.h, 15
checkFilename	FILE_EXTENSION, 16
filename.c, 36	openFileCsuExtension, 16
filename.h, 39	readCsuFile, 17
checkPath	writeCsuFile, 17
filename.c, 36	writeFileNewTurn, 18
filename.h, 39	csu_struct.c, 18
clearScreen	addDistributorCsuStruct, 19
share.c, 71	closeCsuStruct, 19
share.h, 74	copyCsuStruct, 20
closeCsuStruct	differentsPlayerName, 20
csu_struct.c, 19	endNewTurn, 20
csu_struct.h, 26	exceedMaxNumber, 21
closeFile	maxNbTurn, 21
file.c, 30	newCsuStruct, 21
file.h, 33	rankCalculation, 21
closeListGameConfig	searchIndexFromPosition, 23
game_config.c, 41	searchPlayerIndex, 23
game_config.h, 50	startNewTurn, 24
compareFloatAscending	csu_struct.h, 24
share.c, 71	addDistributorCsuStruct, 25
share.h, 75	closeCsuStruct, 26
compareFloatDescending	copyCsuStruct, 26
share.c, 72	differentsPlayerName, 26
share.h, 75	endNewTurn, 27
config	exceedMaxNumber, 27
csuStruct, 5	maxNbTurn, 27
сору	newCsuStruct, 27
toolbar_button_preferences_struct, 9	rankCalculation, 28
copvCsuStruct	SIZE MAX NAME, 25

searchIndexFromPosition, 28	renameFile, 32
searchPlayerIndex, 29	file.h, 32
startNewTurn, 29	closeFile, 33
VERSION, 25	deleteFile, 33
csuStruct, 5	openFile, 34
	•
config, 5	readFileSize, 34
day, 5	renameFile, 35
distributor, 5	filename.c, 35
month, 5	addFileCsuExtension, 36
nb_player, 6	checkFilename, 36
nb_turn, 6	checkPath, 36
player_names, 6	getFolderFromFilename, 37
point, 6	getSimpleFilenameFromFullFilename, 37
rank, 6	readHomePath, 37
size_max_name, 6	readHomePathSlash, 38
total_points, 6	filename.h, 38
version, 6	addFileCsuExtension, 38
year, 6	checkFilename, 39
cut	checkPath, 39
toolbar_button_preferences_struct, 9	getFolderFromFilename, 39
toolbai_button_preferences_struct, 9	getSimpleFilenameFromFullFilename, 40
day	- ·
•	readHomePath, 40
csuStruct, 5	readHomePathSlash, 40
decimal_place	first_way
game_config, 7	game_config, 7
delete	gamo config 6
toolbar_button_preferences_struct, 9	game_config, 6
deleteFile	begin_score, 7
file.c, 31	decimal_place, 7
file.h, 33	first_way, 7
differentsPlayerName	max, 7
csu_struct.c, 20	name, 7
csu_struct.h, 26	nb_max, 7
differentsToolbarButtonPreferencesStruct	turn_based, 7
preferences_files.c, 62	use_distributor, 7
preferences_files.h, 68	game_config.c, 40
displayHelp	addConfigListFile, 41
main argument.c, 56	closeListGameConfig, 41
main_argument.h, 59	exportConfigFile, 43
distributor	importConfigFile, 43
	makeConfigListFile, 44
csuStruct, 5	newConfigFile, 44
and NourTurn	newListGameConfig, 45
endNewTurn	•
csu_struct.c, 20	readConfigFile, 45
csu_struct.h, 27	readConfigListFile, 46
exceedMaxNumber	removeConfigFile, 46
csu_struct.c, 21	removeConfigListFile, 47
csu_struct.h, 27	game_config.h, 47
exportConfigFile	addConfigListFile, 49
game_config.c, 43	closeListGameConfig, 50
game_config.h, 50	exportConfigFile, 50
	importConfigFile, 51
FILE_EXTENSION	makeConfigListFile, 51
csu_files.h, 16	newConfigFile, 52
file.c, 30	newListGameConfig, 52
closeFile, 30	readConfigFile, 53
deleteFile, 31	readConfigListFile, 53
openFile, 31	removeConfigFile, 54
readFileSize, 32	removeConfigListFile, 54
rodul modizo, dz	romovoodingelan ne, J4

game_configuration_preferences	myAlloc
toolbar_button_preferences_struct, 10	share.c, 72
getFolderFromFilename	share.h, 75
filename.c, 37	myRealloc
filename.h, 39	share.c, 73
getSimpleFilenameFromFullFilename	share.h, 77
filename.c, 37	
filename.h, 40	NOT_LIBCSUPER
	libcsuper.h, 56
HELP	name
main_argument.h, 58	game_config, 7
height	name_game_config
main_window_size, 8	list_game_config, 8
	nb_config
importConfigFile	list_game_config, 8
game_config.c, 43	nb_max
game_config.h, 51	game_config, 7
integerToYesNo	nb_player
share.c, 72	csuStruct, 6
share.h, 75	nb_turn
is_maximize	csuStruct, 6
main_window_size, 8	new
	toolbar_button_preferences_struct, 10
libcsuper.h, 55	newConfigFile
NOT_LIBCSUPER, 56	game_config.c, 44
libcsuper_initialize	game_config.h, 52
share.c, 72	newCsuStruct
share.h, 75	csu_struct.c, 21
list_game_config, 8	csu_struct.h, 27
name_game_config, 8	newListGameConfig
nb_config, 8	_
<u>_</u> 55g, 5	game_config.c, 45 game_config.h, 52
main_argument.c, 56	game_comg.n, 52
displayHelp, 56	OPEN FILE
searchArgument, 56	main_argument.h, 58
main_argument.h, 57	_ ·
displayHelp, 59	open
HELP, 58	toolbar_button_preferences_struct, 10
OPEN_FILE, 58	openFile
	file.c, 31
READ_FILE, 58	file.h, 34
STRING_HELP, 58	openFileCsuExtension
STRING_HELP_RED, 58	csu_files.c, 13
STRING_OPEN_FILE, 58	csu_files.h, 16
STRING_READ_FILE, 58	
searchArgument, 59	paste
main_window_size, 8	toolbar_button_preferences_struct, 10
height, 8	player_names
is_maximize, 8	csuStruct, 6
width, 8	point
makeConfigListFile	csuStruct, 6
game_config.c, 44	preferences
game_config.h, 51	toolbar_button_preferences_struct, 10
max	preferences_files.c, 59
game_config, 7	changeSystemPath, 60
maxNbTurn	createFileMainWidowSize, 60
csu_struct.c, 21	createFileSystemPath, 61
csu_struct.h, 27	createFileToolbarButtonPreferences, 61
month	createPreferencesFolder, 62
csuStruct, 5	differentsToolbarButtonPreferencesStruct, 62
	amoronio roomarbattorii referencesotract, 02

readFileMainWidowSize, 62	game_config.h, 54
readFileSystemPath, 63	removeConfigListFile
readFileToolbarButtonPreferences, 63	
	game_config.c, 47
readSystemPath, 64	game_config.h, 54
preferences_files.h, 64	renameFile
changeSystemPath, 66	file.c, 32
createFileMainWidowSize, 66	file.h, 35
createFileSystemPath, 67	OUTE MANY NAME
createFileToolbarButtonPreferences, 67	SIZE_MAX_NAME
createPreferencesFolder, 68	csu_struct.h, 25
differentsToolbarButtonPreferencesStruct, 68	STRING_HELP
readFileMainWidowSize, 68	main_argument.h, 58
readFileSystemPath, 69	STRING_HELP_RED
readFileToolbarButtonPreferences, 69	main_argument.h, 58
readSystemPath, 70	STRING_OPEN_FILE
properties	main_argument.h, 58
toolbar button preferences struct, 10	STRING_READ_FILE
toolbai_buttori_preferences_struct, 10	main_argument.h, 58
READ FILE	save as
main_argument.h, 58	toolbar_button_preferences_struct, 10
rank	searchArgument
csuStruct, 6	main_argument.c, 56
,	
rankCalculation	main_argument.h, 59
csu_struct.c, 21	searchIndexFromPosition
csu_struct.h, 28	csu_struct.c, 23
readConfigFile	csu_struct.h, 28
game_config.c, 45	searchPlayerIndex
game_config.h, 53	csu_struct.c, 23
readConfigListFile	csu_struct.h, 29
game_config.c, 46	separator_1
game_config.h, 53	toolbar_button_preferences_struct, 10
readCsuFile	separator_2
csu files.c, 14	toolbar_button_preferences_struct, 10
csu_files.h, 17	separator_3
readFileMainWidowSize	toolbar_button_preferences_struct, 10
preferences_files.c, 62	separator_4
preferences files.h, 68	toolbar_button_preferences_struct, 10
readFileSize	separator_5
file.c, 32	toolbar_button_preferences_struct, 11
file.h, 34	share.c, 70
readFileSystemPath	clearScreen, 71
preferences_files.c, 63	compareFloatAscending, 71
preferences_files.h, 69	compareFloatDescending, 72
readFileToolbarButtonPreferences	integerToYesNo, 72
preferences_files.c, 63	libcsuper_initialize, 72
preferences_files.h, 69	myAlloc, 72
readHomePath	myRealloc, 73
filename.c, 37	wrongChoice, 73
filename.h, 40	share.h, 73
readHomePathSlash	_, 74
filename.c, 38	clearScreen, 74
filename.h, 40	compareFloatAscending, 75
readSystemPath	compareFloatDescending, 75
preferences_files.c, 64	integerToYesNo, 75
preferences_files.h, 70	libcsuper_initialize, 75
redo	myAlloc, 75
toolbar_button_preferences_struct, 10	myRealloc, 77
removeConfigFile	wrongChoice, 77
game_config.c, 46	size_max_name

```
csuStruct, 6
startNewTurn
    csu_struct.c, 24
    csu_struct.h, 29
toolbar_button_preferences
    toolbar_button_preferences_struct, 11
toolbar_button_preferences_struct, 9
    about, 9
    copy, 9
    cut, 9
    delete, 9
    game_configuration_preferences, 10
    new, 10
    open, 10
    paste, 10
    preferences, 10
    properties, 10
    redo, 10
    save as, 10
    separator_1, 10
    separator_2, 10
    separator_3, 10
    separator_4, 10
    separator_5, 11
    toolbar_button_preferences, 11
     undo, 11
total points
    csuStruct, 6
turn_based
    game_config, 7
undo
    toolbar_button_preferences_struct, 11
use distributor
    game_config, 7
VERSION
    csu_struct.h, 25
version
    csuStruct, 6
width
     main_window_size, 8
writeCsuFile
    csu_files.c, 14
    csu files.h, 17
writeFileNewTurn
    csu_files.c, 15
    csu_files.h, 18
wrongChoice
    share.c, 73
    share.h, 77
year
```

csuStruct, 6