Client Side

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Contents

1 File Index **1**

1.1 File List 1

2 File Documentation **3**

2.1 Die_with_error.c File Reference 3

2.1.1 Function Documentation 3

2.1.1.1 DieWithError() 3

2.2 HTTPClient.c File Reference 3

2.2.1 Macro Definition Documentation 4

2.2.1.1 PIPELINE 4

2.2.1.2 RCVBUFSIZE 4

2.2.2 Function Documentation 4

2.2.2.1 get_file_size() 4

2.2.2.2 handleGetResponse() 5

2.2.2.3 handleGoogle() 5

2.2.2.4 handlePostResponse_Request() 5

2.2.2.5 isOK() 5

2.2.2.6 main() 5

2.2.2.7 print() 5

2.2.2.8 sendFileToServer() 6

2.2.2.9 startConnection() 6

2.2.3 Variable Documentation 6

2.2.3.1 files_sizes 6

Index **7**

Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

Die_with_error.c 3
HTTPClient.c 3

Chapter 2

File Documentation

2.1 Die_with_error.c File Reference

```
#include <stdio.h>
#include <stdlib.h>
```

Functions

- void DieWithError (char *errorMessage)

2.1.1 Function Documentation

2.1.1.1 DieWithError()

```
void DieWithError (
            char * errorMessage )
```

2.2 HTTPClient.c File Reference

```
#include <stdio.h>
#include <sys/socket.h>
#include <arpa/inet.h>
#include <stdlib.h>
#include <string.h>
#include <unistd.h>
#include <fcntl.h>
#include <sys/stat.h>
#include <sys/sendfile.h>
#include <asm/errno.h>
#include <errno.h>
#include <time.h>
#include "Die_with_error.c"
```

Macros

- #define RCVBUFSIZE 10240 /* Size of receive buffer */
- #define PIPELINE 50

Functions

- void handleGetResponse (char *filename, int socket)
- void handlePostResponse_Request (char *filename, int socket, int fifd)
- int isOK (char *msg)
- void sendFileToServer (char *filename, int socket, int filefd)
- void startConnection (char *command, char *command_type, char *file_name, char *host_name, int port_num, int sock)
- void print (char *str)
- int get_file_size (char *filename)
- int main (int argc, char *argv[])
- void handleGoogle (int sock)

Variables

- int files_sizes = 0

2.2.1 Macro Definition Documentation

2.2.1.1 PIPELINE

```
#define PIPELINE 50
```

2.2.1.2 RCVBUFSIZE

```
#define RCVBUFSIZE 10240 /* Size of receive buffer */
```

2.2.2 Function Documentation

2.2.2.1 get_file_size()

```
int get_file_size (
            char * filename )
```

2.2.2.2 handleGetResponse()

```
void handleGetResponse (
            char * filename,
            int socket )
```

2.2.2.3 handleGoogle()

```
void handleGoogle (
            int sock )
```

Form request

Write the request

Read the response

Remove the trailing chars

2.2.2.4 handlePostResponse_Request()

```
void handlePostResponse_Request (
            char * filename,
            int socket,
            int fifd )
```

2.2.2.5 isOK()

```
int isOK (
            char * msg )
```

2.2.2.6 main()

```
int main (
            int argc,
            char * argv[] )
```

2.2.2.7 print()

```
void print (
            char * str )
```

2.2.2.8 sendFileToServer()

```
void sendFileToServer (
            char * filename,
            int socket,
            int filefd )
```

2.2.2.9 startConnection()

```
void startConnection (
            char * command,
            char * command_type,
            char * file_name,
            char * host_name,
            int port_num,
            int sock )
```

2.2.3 Variable Documentation

2.2.3.1 files_sizes

```
int files_sizes = 0
```

Index

Die_with_error.c, 3
    DieWithError, 3
DieWithError
    Die_with_error.c, 3

files_sizes
    HTTPClient.c, 6

get_file_size
    HTTPClient.c, 4

HTTPClient.c, 3
    files_sizes, 6
    get_file_size, 4
    handleGetResponse, 4
    handleGoogle, 5
    handlePostResponse_Request, 5
    isOK, 5
    main, 5
    PIPELINE, 4
    print, 5
    RCVBUFSIZE, 4
    sendFileToServer, 5
    startConnection, 6
handleGetResponse
    HTTPClient.c, 4
handleGoogle
    HTTPClient.c, 5
handlePostResponse_Request
    HTTPClient.c, 5

isOK
    HTTPClient.c, 5

main
    HTTPClient.c, 5

PIPELINE
    HTTPClient.c, 4
print
    HTTPClient.c, 5

RCVBUFSIZE
    HTTPClient.c, 4

sendFileToServer
    HTTPClient.c, 5
startConnection
    HTTPClient.c, 6