

Connect.

1.0

Doxygen 1.10.0

Chapter 1

1.1

.

Connect	??
Cons_fix	??
std::invalid_argument	
error_proj	??

Chapter 2

2.1

.

Connect	??	
Cons_fix	??
error_proj		
error_proj	??

Chapter 3

3.1

.

Connect.cpp	??
Connect.h		
Connect	??
main.cpp		
??		
md5.cpp	??
md5.h		
md5	??

Chapter 4

4.1 Connect

```
#include <Connect.h>
```

- int [Connect_to_server](#) (string str1, string str2)
- void **GetLoginPassword** ()

- int **ip_addr**
- int **port**
- string **name_original_file**
- string **name_result_file**
- string **name_auto_file**
- string **username**
- string **pswd**

4.1.1

<i>ip_addr</i>	
<i>port</i>	
<i>name_original_file</i>	
<i>name_result_file</i>	
<i>name_auto_file</i>	,
<i>username</i>	
<i>pswd</i>	

4.1.2

4.1.2.1 Connect_to_server()

```
int Connect::Connect_to_server (
    string str1,
    string str2 )
```

.

<i>str1</i>	.
<i>str2</i>	.

<i>error_proj</i>	.
-------------------	---

:

- [Connect.h](#)
- [Connect.cpp](#)

4.2 Cons_fix

Cons_fix:

- [Connect](#) * p

:

- unit_test.cpp

4.3 error_proj

[error_proj](#).

```
#include <Connect.h>
```

:error_proj:

error_proj:

- **error_proj** (const std::string &what_arg)
- **error_proj** (const char *what_arg)

4.3.1

[error_proj.](#)

:

- [Connect.h](#)

Chapter 5

5.1 Connect.cpp

```
#include "Connect.h"
#include "md5.h"
Connect.cpp:
```

5.2 Connect.h

[Connect.](#)

```
#include <sys/types.h>
#include <iostream>
#include <cstdlib>
#include <cstring>
#include <unistd.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <arpa/inet.h>
#include <fstream>
#include <vector>
#include <string>
#include <locale>
#include <codecvt>
Connect.h: , :
```

- class [Connect](#)
- class [error_proj](#)
[error_proj.](#)

5.2.1

Connect.

..

1.0

20.12.2022

5.3 Connect.h

```
..
00001
00010 #pragma once
00011 #include <sys/types.h>
00012 #include <iostream>
00013 #include <cstdlib>
00014 #include <cstring>
00015 #include <unistd.h>
00016 #include <sys/socket.h>
00017 #include <netinet/in.h>
00018 #include <arpa/inet.h>
00019 #include <fstream>
00020 #include <vector>
00021
00022 #include <string>
00023 #include <locale>
00024 #include <codecvt>
00025
00026 using namespace std;
00027
00039 class Connect{
00040     public:
00041         int ip_addr;
00042         int port;
00043         string name_original_file;
00044         string name_result_file;
00045         string name_auto_file;
00046         string username;
00047         string pswd;
00048         int Connect_to_server(string str1, string str2);
00049         void GetLoginPassword();
00050
00051 };
00052
00053
00057 class error_proj: public std::invalid_argument
00058 {
00059     public:
00060         explicit error_proj (const std::string& what_arg):
00061             std::invalid_argument(what_arg) {}
00062         explicit error_proj (const char* what_arg):
00063             std::invalid_argument(what_arg) {}
00064 };
00065
```

5.4 main.cpp

```
#include <iostream>
#include <string>
#include <getopt.h>
#include "Connect.h"
main.cpp:
```

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

5.4.1

<i>rez</i>	
<i>optarg</i>	

5.5 md5.cpp

```
#include "md5.h"
md5.cpp:
```

- std::string [MD5_hash](#) (std::string msg)
 - *md5*.

5.5.1

5.5.1.1 MD5_hash()

```
std::string MD5_hash (
    std::string msg )
```

- *md5*.

<i>msg</i>	
------------	--

-

5.6 md5.h

md5.

```
#include <iostream>
#include <vector>
#include <cryptopp/hex.h>
#include <cryptopp/md5.h>
md5.h: , :
```

- `#define CRYPTOPP_ENABLE_NAMESPACE_WEAK 1`

- `std::string MD5_hash (std::string msg)`
 - `md5`.

5.6.1

md5.

..

1.0

20.12.2022

5.6.2

5.6.2.1 MD5_hash()

```
std::string MD5_hash (
    std::string msg )
```

- `md5`.

<code>msg</code>	
------------------	--

-

5.7 md5.h

```
..
00001
00010 #include <iostream>
00011 #include <vector>
00012
00013 #include <cryptopp/hex.h> // HexEncoder
00014
00015 #define CRYPTOPP_ENABLE_NAMESPACE_WEAK 1
00016 #include <cryptopp/md5.h> // MD%, -
00017
00018 std::string MD5_hash(std::string msg);
```

