

## My Project

Generated by Doxygen 1.12.0



---

<b>1 File Index</b>	<b>1</b>
1.1 File List . . . . .	1
<b>2 File Documentation</b>	<b>3</b>
2.1 Course.cpp File Reference . . . . .	3
2.2 Department.cpp File Reference . . . . .	3
2.3 Globals.cpp File Reference . . . . .	3
2.3.1 Variable Documentation . . . . .	3
2.3.1.1 globalDatabase . . . . .	3
2.4 main.cpp File Reference . . . . .	4
2.4.1 Function Documentation . . . . .	4
2.4.1.1 main() . . . . .	4
2.4.1.2 signalHandler() . . . . .	4
2.5 MyApp.cpp File Reference . . . . .	4
2.6 MyFileDatabase.cpp File Reference . . . . .	4
2.7 RouteController.cpp File Reference . . . . .	5
2.7.1 Function Documentation . . . . .	5
2.7.1.1 handleException() . . . . .	5
<b>Index</b>	<b>7</b>



# Chapter 1

## File Index

### 1.1 File List

Here is a list of all files with brief descriptions:

<a href="#">Course.cpp</a>	3
<a href="#">Department.cpp</a>	3
<a href="#">Globals.cpp</a>	3
<a href="#">main.cpp</a>	4
<a href="#">MyApp.cpp</a>	4
<a href="#">MyFileDatabase.cpp</a>	4
<a href="#">RouteController.cpp</a>	5



## Chapter 2

# File Documentation

### 2.1 Course.cpp File Reference

```
#include "Course.h"  
#include <iostream>  
#include <string>
```

### 2.2 Department.cpp File Reference

```
#include "Department.h"  
#include "Course.h"  
#include <map>  
#include <string>  
#include <sstream>  
#include <memory>
```

### 2.3 Globals.cpp File Reference

```
#include "Globals.h"
```

#### Variables

- MyFileDatabase \* [globalDatabase](#) = nullptr

#### 2.3.1 Variable Documentation

##### 2.3.1.1 globalDatabase

```
MyFileDatabase* globalDatabase = nullptr
```

Copyright 2024 <Columbia University>

## 2.4 main.cpp File Reference

```
#include <iostream>
#include <map>
#include <string>
#include <csignal>
#include "../external_libraries/Crow-1.2.0-Darwin/include/crow.h"
#include "Course.h"
#include "Department.h"
#include "MyFileDatabase.h"
#include "RouteController.h"
#include "Globals.h"
#include "MyApp.h"
```

### Functions

- void [signalHandler](#) (int signal)
- int [main](#) (int argc, char \*argv[])

### 2.4.1 Function Documentation

#### 2.4.1.1 main()

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

Sets up the HTTP server and runs the program

#### 2.4.1.2 signalHandler()

```
void signalHandler (
    int signal)
```

Copyright 2024 <Columbia University> Method to handle proper termination protocols

## 2.5 MyApp.cpp File Reference

```
#include "MyApp.h"
#include <iostream>
```

## 2.6 MyFileDatabase.cpp File Reference

```
#include "MyFileDatabase.h"
#include <iostream>
#include <fstream>
```



## 2.7 RouteController.cpp File Reference

```
#include <map>
#include <string>
#include <exception>
#include <iostream>
#include "../external_libraries/Crow-1.2.0-Darwin/include/crow.h"
#include "RouteController.h"
#include "Globals.h"
#include "MyFileDatabase.h"
```

### Functions

- crow::response [handleException](#) (const std::exception &e)

### 2.7.1 Function Documentation

#### 2.7.1.1 [handleException\(\)](#)

```
crow::response handleException (
    const std::exception & e)
```

Copyright 2024 <Columbia University>



# Index

Course.cpp, [3](#)

Department.cpp, [3](#)

globalDatabase

Globals.cpp, [3](#)

Globals.cpp, [3](#)

globalDatabase, [3](#)

handleException

RouteController.cpp, [5](#)

main

main.cpp, [4](#)

main.cpp, [4](#)

main, [4](#)

signalHandler, [4](#)

MyApp.cpp, [4](#)

MyFileDatabase.cpp, [4](#)

RouteController.cpp, [5](#)

handleException, [5](#)

signalHandler

main.cpp, [4](#)