Test project for the use of doxygen

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

TestClassP 7
  TestClassS 8
testClassP 8

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

TestClassP 7
testClassP
    Prototype for the testClassP 8
TestClassS
    Header file for testClass son 8

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

testClassP.cpp
Implementation of the class TestClass Parent (just for example) 11
testClassP.h
Header file for testClass Parent 11
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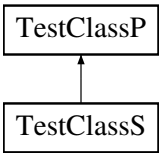
testClassS.h 12

Chapter 4

Class Documentation

4.1 TestClassP Class Reference

Inheritance diagram for TestClassP:



Public Member Functions

- **TestClassP** ()
  default constructor
- TestClassP (int a, int b)
  parameter constructor
- virtual ~**TestClassP** ()
  destructor (virtual because of parent class)

4.1.1 Constructor & Destructor Documentation

4.1.1.1 TestClassP()

```
TestClassP::TestClassP (
            int a,
            int b)
```

parameter constructor

Parameters

a	first parameter, SPECIFY HERE if it must be within a range
b	second parameter yadda yadda...

The documentation for this class was generated from the following files:

- testClassP.h
- testClassP.cpp

4.2 testClassP Class Reference

prototype for the testClassP

`#include <testClassP.h>`

4.2.1 Detailed Description

prototype for the testClassP

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

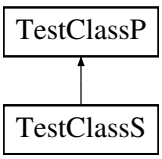
- testClassP.h

4.3 TestClassS Class Reference

Header file for testClass son.

`#include <testClassS.h>`

Inheritance diagram for TestClassS:



Public Member Functions

- **TestClassS** ()
  default constructor
- ~**TestClassS** ()
  destructor
- void SetGenericParam (int a)
  generic setter

Public Member Functions inherited from TestClassP

- **TestClassP** ()
  default constructor
- TestClassP (int a, int b)
  parameter constructor
- virtual ~**TestClassP** ()
  destructor (virtual because of parent class)

4.3.1 Detailed Description

Header file for testClass son.

prototype of class Testclass Son

4.3.2 Member Function Documentation

4.3.2.1 SetGenericParam()

```
TestClassS::SetGenericParam (
            int a)
```

generic setter

Parameters

a	generic parameter

The documentation for this class was generated from the following files:

- testClassS.h
- testClassS.cpp

Chapter 5

File Documentation

5.1 testClassP.cpp File Reference

implementation of the class TestClass Parent (just for example)

```
#include "testClassP.h"
```

5.1.1 Detailed Description

implementation of the class TestClass Parent (just for example)

5.2 testClassP.h File Reference

Header file for testClass Parent.

Classes

- class TestClassP

Macros

- #define **GENERIC_MACRO** 5
  generic macro for testing doxy

5.2.1 Detailed Description

Header file for testClass Parent.

5.3 testClassP.h

Go to the documentation of this file.

```
00001 // all the comments with 3 forward slash are interpreted by doxygen as specific commands and will
      appear
00002 // in the docs. This comment will not appear in the docs
00003
00006
00007 #ifndef TESTCLASSP_H
00008 #define TESTCLASSP_H
00009
00011 #define GENERIC_MACRO 5
00012
00013
00016 class TestClassP {
00017 public:
00019     TestClassP();
00020
00024     TestClassP(int a, int b);
00025
00027     virtual ~TestClassP();
00028
00029 private:
00030     // here doxygen comments will be unneessary: the private part of a class is not intended
00031     // to be seen by a user so it will not appear in the docs.
00032     int _a;
00033     int _b;
00034 };
00035
00036 #endif //TESTCLASSP_H
```

5.4 testClassS.cpp File Reference

implementation of testClass Son

```
#include "testClassS.h"
```

5.4.1 Detailed Description

implementation of testClass Son

5.5 testClassS.h File Reference

```
#include "testClassP.h"
```

Classes

- class TestClassS

  Header file for testClass son.

5.6 testClassS.h

Go to the documentation of this file.

```
00001
00003 #ifndef TESTCLASSS_H
00004 #define TESTCLASSS_H
00005
00006
00007 #include "testClassP.h"
00008
00011 class TestClassS : public TestClassP {
00012 public:
00013
00015     TestClassS();
00017     ~TestClassS();
00018
00021     void SetGenericParam(int a);
00022
00023 private:
00024     int _c;
00025 };
00026
00027 #endif //TESTCLASS_H
```

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