Prog2HF

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

Part																				 							11
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GI	PU																		 								8
M	ЭΒ	0																									10
PS																											
R/	٩M																										14
St		_																									
	Н	DD	١.																								9
	S	SD																									14
String																				 							17

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Chapter 2

Class Index

2.1 Class List

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

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GPU														 											8
HDD																									9
MOBO .														 											10
Part														 											11
PSU														 											13
RAM																									
SSD																									
Storage														 											15
String																									17

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File Index

3.1 File List

Here is a list of all files with brief descriptions:

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Chapter 4

Class Documentation

4.1 Case Class Reference

```
#include <Parts.h>
```

Inheritance diagram for Case:



Public Member Functions

Case (String brand, String type, int price, String formfactor)
 Méret szabvány.

Additional Inherited Members

4.1.1 Constructor & Destructor Documentation

4.1.1.1 Case()

Méret szabvány.

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

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.2 CPU Class Reference

```
#include <Parts.h>
```

Inheritance diagram for CPU:



Public Member Functions

CPU (String brand, String type, int price, int clk, int cores, String socket)
 Magok száma.

Additional Inherited Members

4.2.1 Constructor & Destructor Documentation

4.2.1.1 CPU()

Magok száma.

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

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.3 GPU Class Reference

```
#include <Parts.h>
```

Inheritance diagram for GPU:



4.4 HDD Class Reference 9

Public Member Functions

GPU (String brand, String type, int price, int clk, int vram)
 Videómemória.

Additional Inherited Members

4.3.1 Constructor & Destructor Documentation

4.3.1.1 GPU()

Videómemória.

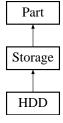
The documentation for this class was generated from the following file:

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.4 HDD Class Reference

```
#include <Parts.h>
```

Inheritance diagram for HDD:



Public Member Functions

HDD (String brand, String type, int price, int size, int readspeed, int writespeed, int rpm)
 Fordulatszám.

Additional Inherited Members

4.4.1 Constructor & Destructor Documentation

4.4.1.1 HDD()

Fordulatszám.

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

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.5 MOBO Class Reference

```
#include <Parts.h>
```

Inheritance diagram for MOBO:



Public Member Functions

MOBO (String brand, String type, int price, String socket, String chipset, String formfactor)
 Méret szabvány.

Additional Inherited Members

4.5.1 Constructor & Destructor Documentation

4.6 Part Class Reference 11

4.5.1.1 MOBO()

Méret szabvány.

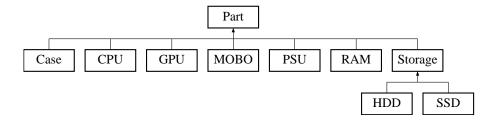
The documentation for this class was generated from the following file:

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.6 Part Class Reference

```
#include <Parts.h>
```

Inheritance diagram for Part:



Public Member Functions

• Part (String brand, String type, int price)

Ár.

- virtual ∼Part ()
- String get_gyarto (Part a)
- String get_nev (Part a)

Protected Attributes

- String brand
- String type

Gyártó

• int price

Típus.

4.6.1 Constructor & Destructor Documentation

```
4.6.1.1 Part()
Part::Part (
            String brand,
            String type,
             int price ) [inline], [explicit]
Ár.
4.6.1.2 ∼Part()
virtual Part::~Part ( ) [inline], [virtual]
4.6.2 Member Function Documentation
4.6.2.1 get_gyarto()
String Part::get_gyarto (
           Part a ) [inline]
4.6.2.2 get_nev()
String Part::get_nev (
          Part a ) [inline]
4.6.3 Member Data Documentation
4.6.3.1 brand
String Part::brand [protected]
4.6.3.2 price
int Part::price [protected]
```

Típus.

4.7 PSU Class Reference

4.6.3.3 type

```
String Part::type [protected]
```

Gyártó

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

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.7 PSU Class Reference

```
#include <Parts.h>
```

Inheritance diagram for PSU:



Public Member Functions

PSU (String brand, String type, int price, String wattage)
 Teljesítmény.

Additional Inherited Members

4.7.1 Constructor & Destructor Documentation

4.7.1.1 PSU()

Teljesítmény.

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

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.8 RAM Class Reference

```
#include <Parts.h>
```

Inheritance diagram for RAM:



Public Member Functions

RAM (String brand, String type, int price, int clk, int size)
 Memória.

Additional Inherited Members

4.8.1 Constructor & Destructor Documentation

4.8.1.1 RAM()

Memória.

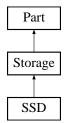
The documentation for this class was generated from the following file:

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.9 SSD Class Reference

```
#include <Parts.h>
```

Inheritance diagram for SSD:



Public Member Functions

• SSD (String brand, String type, int price, int size, int readspeed, int writespeed, String formfactor, String flashtype)

Flash csip típusa.

Additional Inherited Members

4.9.1 Constructor & Destructor Documentation

4.9.1.1 SSD()

Flash csip típusa.

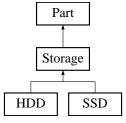
The documentation for this class was generated from the following file:

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.10 Storage Class Reference

```
#include <Parts.h>
```

Inheritance diagram for Storage:



Public Member Functions

Storage (String brand, String type, int price, int size, int readspeed, int writespeed)
 Irási sebesség.

Protected Attributes

- int size
- int readspeed

Méret.

· int writespeed

Olvasási sebesség.

4.10.1 Constructor & Destructor Documentation

4.10.1.1 Storage()

Írási sebesség.

4.10.2 Member Data Documentation

```
4.10.2.1 readspeed
```

```
int Storage::readspeed [protected]
```

Méret.

4.10.2.2 size

```
int Storage::size [protected]
```

4.10.2.3 writespeed

```
int Storage::writespeed [protected]
```

Olvasási sebesség.

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

• C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h

4.11 String Class Reference

```
#include <schtring.h>
```

Public Member Functions

```
• size_t size () const
```

hossz lezáró nulla nélkül

• size_t length () const

Visszaadja a string hosszát.

• String ()

Default konstruktor.

• String (char ch)

Konstruktor: egy char karakterre.

• String (const char *p)

Konstruktor: egy karakter tömbre.

String (const String &s1)

Konstruktor: egy másik Stringre.

• const char * c_str () const

C-stringet ad vissza.

• ∼String ()

Destruktor.

• String & operator= (const String &rhs_s)

Egyenlőség operator.

• String & operator+= (const String &rhs_s)

Pluszegyenlő operator.

String operator+ (const String &rhs_s) const

string + string

• String operator+ (char rhs_c) const

string + karakter

bool operator== (String &rhs_s)

hasonlító operator stringgel

bool operator== (const char *rhs_s)

hasonlító operator char tömbbel

• char & operator[] (unsigned int idx)

index operator

• const char & operator[] (unsigned int idx) const

index operator

• void erase ()

törli a stringben lévő karaktereket

4.11.1 Constructor & Destructor Documentation

```
4.11.1.1 String() [1/4]
String::String ( ) [inline]
Default konstruktor.
4.11.1.2 String() [2/4]
String::String (
            char ch )
Konstruktor: egy char karakterre.
4.11.1.3 String() [3/4]
String::String (
            const char * p )
Konstruktor: egy karakter tömbre.
4.11.1.4 String() [4/4]
String::String (
            const String & s1 )
Konstruktor: egy másik Stringre.
4.11.1.5 ∼String()
String::~String ( ) [inline]
```

4.11.2 Member Function Documentation

Destruktor.

```
4.11.2.1 c_str()
const char* String::c_str ( ) const [inline]
C-stringet ad vissza.
4.11.2.2 erase()
void String::erase ( ) [inline]
törli a stringben lévő karaktereket
4.11.2.3 length()
size_t String::length ( ) const [inline]
Visszaadja a string hosszát.
4.11.2.4 operator+() [1/2]
String String::operator+ (
             const String & rhs_s ) const
string + string
4.11.2.5 operator+() [2/2]
String String::operator+ (
             char rhs_c ) const [inline]
string + karakter
4.11.2.6 operator+=()
String& String::operator+= (
             const String & rhs_s ) [inline]
```

Pluszegyenlő operator.

```
4.11.2.7 operator=()
String & String::operator= (
              const String & rhs_s )
Egyenlőség operator.
4.11.2.8 operator==() [1/2]
bool String::operator== (
              String & rhs_s )
hasonlító operator stringgel
4.11.2.9 operator==() [2/2]
bool String::operator== (
              const char * rhs_s )
hasonlító operator char tömbbel
4.11.2.10 operator[]() [1/2]
char & String::operator[] (
             unsigned int idx )
index operator
4.11.2.11 operator[]() [2/2]
const char & String::operator[] (
             unsigned int idx ) const
index operator
4.11.2.12 size()
size_t String::size ( ) const [inline]
hossz lezáró nulla nélkül
```

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

Visszaadja a string hosszát

- C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/schtring.h
- C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/schtring.cpp

Chapter 5

File Documentation

5.1 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/main.cpp File Reference

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

Functions

- int main ()
- 5.1.1 Function Documentation

```
5.1.1.1 main()
int main ( )
```

- 5.2 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/main.h File Reference
- 5.3 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.cpp File Reference

```
#include "Parts.h"
```

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5.4 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/Parts.h File Reference

```
#include "schtring.h"
```

Classes

- class Part
- class CPU
- class GPU
- class MOBO
- class RAM
- class Case
- class PSU
- · class Storage
- class SSD
- class HDD

5.5 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/schtring.cpp File Reference

```
#include <iostream>
#include <cstring>
#include "memtrace.h"
#include "schtring.h"
```

Functions

```
    std::ostream & operator<< (std::ostream &os, const String &s0)</li>
    inserter operator
```

```
    std::istream & operator>> (std::istream &is, String &s0)
    extractor operator
```

5.5.1 Function Documentation

5.5.1.1 operator << ()

inserter operator

```
5.5.1.2 operator>>()
```

```
std::istream& operator>> (
          std::istream & is,
          String & s0 )
```

extractor operator

5.6 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/schtring.h File Reference

```
#include <iostream>
#include <cstring>
```

Classes

· class String

Functions

- std::ostream & operator<< (std::ostream &os, const String &s0)
 inserter operator
- std::istream & operator>> (std::istream &is, String &s0)
 extractor operator
- String operator+ (char ch, const String &str)

 karakter + string

5.6.1 Function Documentation

5.6.1.1 operator+()

karakter + string

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extractor operator

5.7 C:/Users/cxl20/Documents/Visual Studio 2017/Prog2HF/Prog2HF/SFML_test.cpp File Reference

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