My Project

Generated by Doxygen 1.8.15

1 MYproj 1

2 Hierarchical Index 3

2.1 Class Hierarchy . . . 3

3 Class Index 5

3.1 Class List . . . 5

4 File Index 7

4.1 File List . . . 7

5 Class Documentation 9

5.1 App Class Reference . . . 9

5.1.1 Member Function Documentation . . . 9

5.1.1.1 get_instance() . . . 10

5.1.1.2 start() . . . 10

5.1.2 Member Data Documentation . . . 10

5.1.2.1 BACKSPACE . . . 10

5.1.2.2 DOWN . . . 10

5.1.2.3 ENTER . . . 10

5.1.2.4 ESCAPE . . . 10

5.1.2.5 KEYS . . . 10

5.1.2.6 LEFT . . . 11

5.1.2.7 RIGHT . . . 11

5.1.2.8 UP . . . 11

5.2 Dict_factory Class Reference . . . 11

5.2.1 Member Function Documentation . . . 11

5.2.1.1 get_dictionary_3() . . . 11

5.2.1.2 get_dictionary_5() . . . 12

5.2.1.3 get_dictionary_single() . . . 12

5.2.1.4 initialise() . . . 12

5.3 Dictionary_prototype Class Reference . . . 12

5.3.1 Member Function Documentation . . . 13

5.3.1.1 clone() . . . 13

5.3.1.2 get_defs_per_word() . . . 13

5.3.1.3 set_dpw() . . . 13

5.3.2 Member Data Documentation . . . 13

5.3.2.1 def_per_word . . . 13

5.3.2.2 dict_count . . . 13

5.4 Mult_def_dict Class Reference . . . 14

5.4.1 Constructor & Destructor Documentation . . . 14

5.4.1.1 Mult_def_dict() . . . 14

5.4.2 Member Function Documentation . . . 14

5.4.2.1 clone() . . . 14

5.4.2.2 get_defs_per_word() . . . 14
5.5 One_def_dict Class Reference . . . 15
5.5.1 Constructor & Destructor Documentation . . . 15
5.5.1.1 One_def_dict() . . . 15
5.5.2 Member Function Documentation . . . 15
5.5.2.1 clone() . . . 15
5.5.2.2 get_defs_per_word() . . . 15

6 File Documentation **17**
6.1 app_class.h File Reference . . . 17
6.2 char_star.h File Reference . . . 17
6.2.1 Function Documentation . . . 17
6.2.1.1 cmp() . . . 17
6.2.1.2 cpy() . . . 18
6.2.1.3 leng() . . . 18
6.2.1.4 ncmp() . . . 18
6.3 console.h File Reference . . . 18
6.3.1 Function Documentation . . . 18
6.3.1.1 gotoxy() . . . 18
6.3.1.2 show_console_cursor() . . . 19
6.4 dict_class.h File Reference . . . 19
6.5 main.cpp File Reference . . . 19
6.5.1 Function Documentation . . . 19
6.5.1.1 main() . . . 19
6.6 path.h File Reference . . . 19
6.6.1 Function Documentation . . . 20
6.6.1.1 path() . . . 20
6.7 README.md File Reference . . . 20

Index **21**

Chapter 1

MYproj

University project

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

App 9
Dict_factory 11
Dictionary_prototype 12
  Mult_def_dict 14
  One_def_dict 15

Chapter 3

Class Index

3.1 Class List

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

App 9
Dict_factory 11
Dictionary_prototype 12
Mult_def_dict 14
One_def_dict 15

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

app_class.h 17
char_star.h 17
console.h 18
dict_class.h 19
main.cpp 19
path.h 19

Chapter 5

Class Documentation

5.1 App Class Reference

`#include <app_class.h>`

Collaboration diagram for App:

Public Member Functions

- void start ()

Static Public Member Functions

- static App * get_instance ()

Static Public Attributes

- static const char ENTER = 13
- static const char ESCAPE = 27
- static const char BACKSPACE = 8
- static const char KEYS = -32
- static const char UP = 72
- static const char DOWN = 80
- static const char LEFT = 75
- static const char RIGHT = 77

5.1.1 Member Function Documentation

5.1.1.1 get_instance()

```
static App* App::get_instance ( )  [inline], [static]
```

5.1.1.2 start()

```
void App::start ( )  [inline]
```

5.1.2 Member Data Documentation

5.1.2.1 BACKSPACE

```
const char App::BACKSPACE = 8  [static]
```

5.1.2.2 DOWN

```
const char App::DOWN = 80  [static]
```

5.1.2.3 ENTER

```
const char App::ENTER = 13  [static]
```

5.1.2.4 ESCAPE

```
const char App::ESCAPE = 27  [static]
```

5.1.2.5 KEYS

```
const char App::KEYS = -32  [static]
```

5.1.2.6 LEFT

```
const char App::LEFT = 75  [static]
```

5.1.2.7 RIGHT

```
const char App::RIGHT = 77  [static]
```

5.1.2.8 UP

```
const char App::UP = 72  [static]
```

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

- app_class.h

5.2 Dict_factory Class Reference

```
#include <dict_class.h>
```

Collaboration diagram for Dict_factory:

Static Public Member Functions

- static void initialise ()
- static Dictionary_prototype * get_dictionary_single ()
- static Dictionary_prototype * get_dictionary_3 ()
- static Dictionary_prototype * get_dictionary_5 ()

5.2.1 Member Function Documentation

5.2.1.1 get_dictionary_3()

```
static Dictionary_prototype* Dict_factory::get_dictionary_3 ( )  [inline], [static]
```

5.2.1.2 get_dictionary_5()

```
static Dictionary_prototype* Dict_factory::get_dictionary_5 ( )  [inline], [static]
```

5.2.1.3 get_dictionary_single()

```
static Dictionary_prototype* Dict_factory::get_dictionary_single ( )  [inline], [static]
```

5.2.1.4 initialise()

```
static void Dict_factory::initialise ( )  [inline], [static]
```

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

- dict_class.h

5.3 Dictionary_prototype Class Reference

```
#include <dict_class.h>
```

Inheritance diagram for Dictionary_prototype:

Collaboration diagram for Dictionary_prototype:

Public Member Functions

- virtual Dictionary_prototype * clone ()=0
- virtual int get_defs_per_word ()=0

Protected Member Functions

- void set_dpw (int dpw)

Protected Attributes

- int def_per_word = 0

Static Protected Attributes

- static int dict_count = 0

5.3.1 Member Function Documentation

5.3.1.1 clone()

```
virtual Dictionary_prototype* Dictionary_prototype::clone ( )  [pure virtual]
```

Implemented in Mult_def_dict, and One_def_dict.

5.3.1.2 get_defs_per_word()

```
virtual int Dictionary_prototype::get_defs_per_word ( )  [pure virtual]
```

Implemented in Mult_def_dict, and One_def_dict.

5.3.1.3 set_dpw()

```
void Dictionary_prototype::set_dpw (
            int dpw )  [inline], [protected]
```

5.3.2 Member Data Documentation

5.3.2.1 def_per_word

```
int Dictionary_prototype::def_per_word = 0  [protected]
```

5.3.2.2 dict_count

```
int Dictionary_prototype::dict_count = 0  [static], [protected]
```

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

- dict_class.h

5.4 Mult_def_dict Class Reference

`#include <dict_class.h>`

Inheritance diagram for Mult_def_dict:

Collaboration diagram for Mult_def_dict:

Public Member Functions

- Mult_def_dict (int dpw)
- Dictionary_prototype * clone ()
- int get_defs_per_word ()

Additional Inherited Members

5.4.1 Constructor & Destructor Documentation

5.4.1.1 Mult_def_dict()

```
Mult_def_dict::Mult_def_dict (
            int dpw )  [inline]
```

5.4.2 Member Function Documentation

5.4.2.1 clone()

```
Dictionary_prototype* Mult_def_dict::clone ( )  [inline], [virtual]
```

Implements Dictionary_prototype.

5.4.2.2 get_defs_per_word()

```
int Mult_def_dict::get_defs_per_word ( )  [inline], [virtual]
```

Implements Dictionary_prototype.

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

- dict_class.h

5.5 One_def_dict Class Reference

`#include <dict_class.h>`

Inheritance diagram for One_def_dict:

Collaboration diagram for One_def_dict:

Public Member Functions

- One_def_dict ()
- Dictionary_prototype * clone ()
- int get_defs_per_word ()

Additional Inherited Members

5.5.1 Constructor & Destructor Documentation

5.5.1.1 One_def_dict()

```
One_def_dict::One_def_dict ( )  [inline]
```

5.5.2 Member Function Documentation

5.5.2.1 clone()

```
Dictionary_prototype* One_def_dict::clone ( )  [inline], [virtual]
```

Implements Dictionary_prototype.

5.5.2.2 get_defs_per_word()

```
int One_def_dict::get_defs_per_word ( )  [inline], [virtual]
```

Implements Dictionary_prototype.

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

- dict_class.h

Chapter 6

File Documentation

6.1 app_class.h File Reference

```
#include <conio.h>
#include <fstream>
#include <iostream>
```

Include dependency graph for app_class.h: This graph shows which files directly or indirectly include this file:

Classes

- class App

6.2 char_star.h File Reference

This graph shows which files directly or indirectly include this file:

Functions

- int leng (char *a)
- void cpy (char *a, char *b)
- bool ncmp (char *a, char *b, int n)
- int cmp (char *a, char *b)

6.2.1 Function Documentation

6.2.1.1 cmp()

```
int cmp (
            char * a,
            char * b )
```

6.2.1.2 cpy()

```
void cpy (
            char * a,
            char * b )
```

6.2.1.3 leng()

```
int leng (
            char * a )
```

6.2.1.4 ncmp()

```
bool ncmp (
            char * a,
            char * b,
            int n )
```

6.3 console.h File Reference

`#include <windows.h>`
Include dependency graph for console.h: This graph shows which files directly or indirectly include this file:

Functions

- void gotoxy (short coord_x, short coord_y)
- void show_console_cursor (bool show_flag)

6.3.1 Function Documentation

6.3.1.1 gotoxy()

```
void gotoxy (
            short coord_x,
            short coord_y )
```

6.3.1.2 show_console_cursor()

```
void show_console_cursor (
             bool show_flag )
```

6.4 dict_class.h File Reference

This graph shows which files directly or indirectly include this file:

Classes

- class Dictionary_prototype
- class One_def_dict
- class Mult_def_dict
- class Dict_factory

6.5 main.cpp File Reference

```
#include "path.h"
#include "char_star.h"
#include "console.h"
#include "dict_class.h"
#include "app_class.h"
```

Include dependency graph for main.cpp:

Functions

- int main ()

6.5.1 Function Documentation

6.5.1.1 main()

```
int main ( )
```

6.6 path.h File Reference

```
#include <windows.h>
#include "char_star.h"
```

Include dependency graph for path.h: This graph shows which files directly or indirectly include this file:

Functions

- char * path ()

6.6.1 Function Documentation

6.6.1.1 path()

```
char* path ( )
```

6.7 README.md File Reference

Index

App, 9
    BACKSPACE, 10
    DOWN, 10
    ENTER, 10
    ESCAPE, 10
    get_instance, 9
    KEYS, 10
    LEFT, 10
    RIGHT, 11
    start, 10
    UP, 11
app_class.h, 17

BACKSPACE
    App, 10

char_star.h, 17
    cmp, 17
    cpy, 17
    leng, 18
    ncmp, 18
clone
    Dictionary_prototype, 13
    Mult_def_dict, 14
    One_def_dict, 15
cmp
    char_star.h, 17
console.h, 18
    gotoxy, 18
    show_console_cursor, 18
cpy
    char_star.h, 17

def_per_word
    Dictionary_prototype, 13
dict_class.h, 19
dict_count
    Dictionary_prototype, 13
Dict_factory, 11
    get_dictionary_3, 11
    get_dictionary_5, 11
    get_dictionary_single, 12
    initialise, 12
Dictionary_prototype, 12
    clone, 13
    def_per_word, 13
    dict_count, 13
    get_defs_per_word, 13
    set_dpw, 13
DOWN
    App, 10

ENTER
    App, 10
ESCAPE
    App, 10

get_defs_per_word
    Dictionary_prototype, 13
    Mult_def_dict, 14
    One_def_dict, 15
get_dictionary_3
    Dict_factory, 11
get_dictionary_5
    Dict_factory, 11
get_dictionary_single
    Dict_factory, 12
get_instance
    App, 9
gotoxy
    console.h, 18

initialise
    Dict_factory, 12

KEYS
    App, 10

LEFT
    App, 10
leng
    char_star.h, 18

main
    main.cpp, 19
main.cpp, 19
    main, 19
Mult_def_dict, 14
    clone, 14
    get_defs_per_word, 14
    Mult_def_dict, 14

ncmp
    char_star.h, 18

One_def_dict, 15
    clone, 15
    get_defs_per_word, 15
    One_def_dict, 15

path

path.h, 20
path.h, 19
path, 20

README.md, 20
RIGHT
App, 11

set_dpw
Dictionary_prototype, 13
show_console_cursor
console.h, 18
start
App, 10

UP
App, 11