Specification of Toolbox

1 Summary *class Toolbox*

Declaration:
class **Toolbox**;

Based on: iostream.h, string.h and some others

Properties: The Toolbox provides a wealth of extra methods you might need in your CGI-application. It is not directly connected to the library and compiled in by default but may be very useful.

2 Purpose

The Toolbox' purpose is to provide a set of functions/methods for the CGI-programmer which far too-often has to write the same functions over and over again. I have collected in this class a few functions which I use frequently, and I hope you'll find use for them too.

3 Description

3.1 Operations

3.1.1 Basic Methods

constructor **Toolbox** ()
Description: Your basic constructor which initializes the workingdirectory to "." (dot).

constructor **Toolbox** (**const** char *workdir)
Description: Initializes the working directory to *workdir*

constructor **Toolbox** (**const** Toolbox&ct)
Description: A copy-constructor

const Toolbox& operator = (**const** Toolbox&ct)
Description: Your assignment-operator

destructor ~**Toolbox** ()
Description: Your destructive element

3.1.2 Random Methods

MYINT function **pseudoinit** (MYINTtmp_seed=NULL)
Description: Initializes the random-number generator

MYINT function **pseudorand** (void)
Description: Returns a pseudo-random number

MYINT function **getRandomNumber** (void)
Equivalent to: pseudorand( )

3.1.3 Fancy methods

int function **paranoidsystem** (**const** char *command) **const**
Description: For those of us who're paranoid and need to call **system( )**

procedure **crashAndBurn** (**const** char *bailoutMsg, int crashLevel) **const**
Description: Primitive example of a crash-and-burn method

3.1.4 Checkpoint Charlie

int function **isDirectory** (**const** char *path) **const**

int function **isFile** (**const** char *file) **const**

int function **isLink** (**const** char *file) **const**

MYINT function **getFilesize** (**const** char *file) **const**

3.1.5 Files and stuff

int function **readinfile**
(ostream &doc, **const** char *filename, **const** char *directory=NULL) **const**
Description: Reads in a file from the given area

char** function **gethtmlfiles** (**const** char *directory=NULL) **const**
Description: Returns the HTML-files

int function **listhtmlfiles**
(ostream &doc, **const** char *directory, int (*lister)(ostream &doc, const char* file)) **const**
Description: Lists the HTML-files with the lister-functions

char** function **getfiles** (**const** char *directory=NULL, **const** char *fileExtension=NULL) **const**
Description: Returns an array with the files in the given directory

int function **listfiles**
(ostream &doc, **const** char *directory, **const** char *fileExtension, int (*lister)(ostream &doc, const char* file)) **c**
Description: Lists the files with the given lister-function.

char * function **getUserPath** (**const** char *user) **const**
Description: Returns the userpath for the given user. Only available on unix-systems.

3.1.6 Protected Methods

int function **fileselecter** (dirent*entry, **const** char *extension) **const**
Description: For internal use only

char * function **correctdir** (**const** char *dir) **const**
Description: For internal use only

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