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\* CUnit - A Unit testing framework library for C.

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\* Interface for simple test runner.

\*

\* 11-Aug-2004 Initial implementation of basic test runner interface. (JDS)

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/\*\* @file

\* Basic interface with output to stdout.

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/\*\* @addtogroup Basic

\* @{

\*/

#ifndef CUNIT\_BASIC\_H\_SEEN

#define CUNIT\_BASIC\_H\_SEEN

#include "CUnit.h"

#include "TestDB.h"

#ifdef \_\_cplusplus

extern "C" {

#endif

/\*\* Run modes for the basic interface. \*/

typedef enum {

CU\_BRM\_NORMAL = 0, /\*\*< Normal mode - failures and run summary are printed [default]. \*/

CU\_BRM\_SILENT, /\*\*< Silent mode - no output is printed except framework error messages. \*/

CU\_BRM\_VERBOSE /\*\*< Verbose mode - maximum output of run details. \*/

} CU\_BasicRunMode;

CU\_EXPORT CU\_ErrorCode CU\_basic\_run\_tests(void);

/\*\*<

\* Runs all registered CUnit tests using the basic interface.

\* The default CU\_BasicRunMode is used unless it has been

\* previously changed using CU\_basic\_set\_mode(). The CUnit test

\* registry must have been initialized before calling this function.

\*

\* @return A CU\_ErrorCode indicating the framework error condition, including

\* CUE\_NOREGISTRY - Registry has not been initialized.

\*/

CU\_EXPORT CU\_ErrorCode CU\_basic\_run\_suite(CU\_pSuite pSuite);

/\*\*<

\* Runs all tests for a specific suite in the basic interface.

\* If pSuite is NULL, the function returns without taking any

\* action. The default CU\_BasicRunMode is used unless it has

\* been changed using CU\_basic\_set\_mode().

\*

\* @param pSuite The CU\_Suite to run.

\* @return A CU\_ErrorCode indicating the framework error condition, including

\* CUE\_NOSUITE - pSuite was NULL.

\*/

CU\_EXPORT CU\_ErrorCode CU\_basic\_run\_test(CU\_pSuite pSuite, CU\_pTest pTest);

/\*\*<

\* Runs a single test in a specific suite in the basic interface.

\* If pSuite or pTest is NULL, the function returns without

\* taking any action. The default CU\_BasicRunMode is used unless

\* it has been changed using CU\_basic\_set\_mode.

\*

\* @param pSuite The CU\_Suite holding the CU\_Test to run.

\* @param pTest The CU\_Test to run.

\* @return A CU\_ErrorCode indicating the framework error condition, including

\* CUE\_NOSUITE - pSuite was NULL.

\* CUE\_NOTEST - pTest was NULL.

\*/

CU\_EXPORT void CU\_basic\_set\_mode(CU\_BasicRunMode mode);

/\*\*< Sets the run mode for the basic interface.

\* @param mode The new CU\_BasicRunMode for subsequent test

\* runs using the basic interface.

\*/

CU\_EXPORT CU\_BasicRunMode CU\_basic\_get\_mode(void);

/\*\*< Retrieves the current run mode for the basic interface.

\* @return The current CU\_BasicRunMode setting for test

\* runs using the basic interface.

\*/

CU\_EXPORT void CU\_basic\_show\_failures(CU\_pFailureRecord pFailure);

/\*\*<

\* Prints a summary of run failures to stdout.

\* This is provided for user convenience upon request, and does

\* not take into account the current run mode. The failures are

\* printed to stdout independent of the most recent run mode.

\*

\* @param pFailure List of CU\_pFailureRecord's to output.

\*/

#ifdef \_\_cplusplus

}

#endif

#endif /\* CUNIT\_BASIC\_H\_SEEN \*/

/\*\* @} \*/