

Example

```
// For iOS
#import <GHUnitIOS/GHUnit.h>
// For Mac OS X
#import <GHUnit/GHUnit.h>
@interface ExampleTest : GHTestCase { }
@end
@implementation ExampleTest
- (BOOL)shouldRunOnMainThread {
// By default NO, but if you have a UI test or
test dependent on running on the main
thread return YES.
// Also an async test that calls back on the
main thread, you'll probably want to return
YES.
return NO;
}
- (void)setUpClass {
// Run at start of all tests in the class
}
- (void)tearDownClass {
// Run at end of all tests in the class
}
- (void)setUp {
// Run before each test method
}
- (void)tearDown {
// Run after each test method
}
- (void)testFoo {
NSString *a = @"foo";
GHTestLog(@"I can log to the GHUnit test
console: %@", a);
// Assert a is not NULL, with no custom error
description
GHAssertNotNull(a, nil);
// Assert equal objects, add custom error
description
NSString *b = @"bar";
GHAssertEqualObjects(a, b, @"A custom
error message. a should be equal to: %@",
b);
}
- (void)testBar {
// Another test
}
```

Example (cont)

```
@end
```

Assert Macros

GHAssertNoErr (a1, description, ...)
GHAssertErr (a1, a2, description, ...)
GHAssertNotNull ** (a1, description, ...)
GHAssertNULL (a1, description, ...)
GHAssertNotEquals (a1, a2, description, ...)
GHAssertNotEqualObjects (a1, a2, desc, ...)
GHAssertOperation (a1, a2, op, description, ...)
GHAssertGreaterThan (a1, a2, description, ...)
GHAssertGreaterThanOrEqual (a1, a2, description, ...)
GHAssertLessThan (a1, a2, description, ...)
GHAssertLessThanOrEqual (a1, a2, description, ...)
GHAssertEqualStrings (a1, a2, description, ...)
GHAssertNotEqualStrings (a1, a2, description, ...)
GHAssertEqualCStrings (a1, a2, description, ...)
GHAssertNotEqualCStrings (a1, a2, description, ...)
GHAssertEqualObjects (a1, a2, description, ...)
GHAssertEquals (a1, a2, description, ...)

Running from the Command Line

Copy RunTests.sh and RunIPhoneSecurityd.sh into your project in the same directory as the xcodeproj file.

```
|
|For the script enter: sh RunTests.sh
```

Assert Macros (cont.)

Assert Macros (cont.) (cont)

GHAssertThrowsSpecificNamed (expr, specificException, aName, description, ...)
GHAssertNoThrow (expr, description, ...)
GHAssertNoThrowSpecific (expr, specificException, description, ...)
GHAssertNoThrowSpecificNamed (expr, specificException, aName, description, ...)

Environment Variables

TEST	To run a specific test (from the command line). Use TEST="GHSlowTest/testSlowA" for a specific test or TEST="GHSlowTest" for a test case
GHUNIT-_RERAISE	Default NO; If an exception is encountered it re-raises it allowing you to crash into the debugger
GHUNIT-_AUTORUN	Default NO; If YES, tests will start automatically
GHUNIT-_AUTOEXIT	Default NO; If YES, will exit upon test completion (no matter what). For command line MacOSX testing
GHUNIT_CLI	Default NO; Specifies that the tests are being run from the command line. For command line MacOSX testing
WRITE_-JUNIT_XML	Default NO; Whether to write out JUnit XML output. For Jenkins CI integration
JUNIT_-XML_DIR	Default to temporary directory. Specify to have files written to a different directory. For Jenkins CI integration.

GHAbsoluteDifference (left,right) (MAX(left,right)-MIN(left,right))
GHAssertEqualsWithAccuracy (a1, a2, accuracy, description, ...)
GHFail (description, ...)
GHAssertNil (a1, description, ...)
GHAssertNotNil (a1, description, ...)
GHAssertTrue (expr, description, ...)
GHAssertTrueNoThrow (expr, description, ...)
GHAssertFalse (expr, description, ...)
GHAssertFalseNoThrow (expr, description, ...)
GHAssertThrows (expr, description, ...)
GHAssertThrowsSpecific (expr, specificException, description, ...)



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