Test Plan

**Product Name**

**List Group Member Names**

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# Introduction

This is often just copied from the Project Plan.

# Functional Testing

This is also called interface testing and is considered black box testing. Black box means the tester does not see the code and is only using the interfaces provided by the completed application to prove the applications works. These tests are often performed by a group not involved in the design or coding of the application.

The list of tests in this section should be taken directly from the functional and non-functional sections of the Product Requirements document. Each test should be listed as a test case and note that a product feature may require more than one test case.

## Test Case N

The section is replicated for each test case. Replace N with the test case name.

### Description

Describe the purpose or feature being tests by the test case.

### Pre Conditions

List any conditions or assumptions that must be met prior to running the test.

### Post Conditions

List any changes to the state of the application as a result of running this test. Test pre and post conditions are usually used to determine the sequence in which tests should be run.

### Test Actions

List the steps the tester must perform to run the test.

### Expected Results

List the expected results and changes that should occur if the test runs successfully.

### Actual Results

This section is usually blank in the document. It is filled in by the tester during an actual instance of running the tests. It is filled again each time the tests are re run. For the test to pass the actual results need to match the expected results.

# Object Testing

This is an explicit test of each object method or application support function and is also called white box testing. White box means the tester can see the actual code being tested. These tests are usually created and run by the person who created the method. The developer usually creates a special test driver program that makes repeated calls to the method using different inputs. The goal of these tests is to ensure that every line of code is executed at least once to demonstrate the method works as designed.

A single test case is often created for each method or support function. Test cases may be grouped into one program or distributed to multiple programs. The test program should not rely on tester input but should hard code all test values.

## Test Case M

The section is replicated for each test case. Replace M with the test case name.

### Description

Describe the method or support function being tested.

### Pre Conditions

List any conditions or assumptions that must be met prior to running the test.

### Post Conditions

List any changes to the state of the environment as a result of running this test. Test pre and post conditions are usually used to determine the sequence in which tests should be run.

### Test Actions

List the program(s) that should be run to test the method. Include a list of the combination of inputs to be used in the repeated calls. Input values need to be selected that test the method under normal conditions, abnormal conditions and edge conditions.

### Expected Results

List the expected results and changes that should occur if the test runs successfully. Note that a successful test may be the fact that the method failed to run due to “bad” input.

### Actual Results

This section is usually blank in the document. It is filled from the test program each time the tests are run. For the test to pass the actual results need to match the expected results.