

# Structure of test case

Formal, written test cases consist of three main parts with subsections:

- **Information** contains general information about Test case.
  - **Identifier** is unique identifier of test case for further references, for example, while describing found defect.
  - **Test case owner/creator** is name of tester or test designer, who created test or is responsible for its development
  - **Version** of current Test case definition
  - **Name** of test case should be human-oriented title which allows to quickly understand test case purpose and scope.
  - Identifier of **requirement** which is covered by test case. Also here could be identifier of [use case](#) or [functional specification](#) item.
  - **Purpose** contains short description of test purpose, what functionality it checks.
  - **Dependencies**
- Test case **activity**
  - **Testing environment/configuration** contains information about configuration of hardware or software which must be met while executing test case
  - **Initialization** describes actions, which must be performed before test case execution is started. For example, we should open some file.
  - **Finalization** describes actions to be done after test case is performed. For example if test case crashes database, tester should restore it before other test cases will be performed.
  - **Actions** step by step to be done to complete test.
  - **Input data** description
- **Results**
  - **Expected results** contains description of what tester should see after all test steps has been completed
  - **Actual results** contains a brief description of what the tester saw after the test steps has been completed. This is often replaced with a **Pass/Fail**. Quite often if a test case fails, reference to the defect involved should be listed in this column.

# 测试用例的结构

正式的书面测试用例由三个主要部分及其子部分组成：

- **信息** 包含有关测试用例的一般信息。
  - **标识符** 是测试用例的唯一标识，用于后续引用，例如在描述发现的缺陷
  - **测试用例负责人/创建者** 是指创建该测试用例或负责其开发的测试人员或测试设计者的姓名
  - **版本** 当前测试用例定义的版本
  - **名称** 应为面向用户的标题，以便快速理解测试用例的目的和范围。
  - 所覆盖测试用例的**需求** 标识符。此处也可以是[用例](#) 或**功能规格** 项的标识符。
  - **目的** 包含对测试目的的简要描述。说明其检查的功能。
  - **依赖项**
- 测试用例 **活动**
  - **测试环境/配置** 包含执行测试用例时必须满足的硬件或软件配置信息
  - **初始化** 描述了在开始执行测试用例之前必须执行的操作。例如，我们应该打开某个文件。
  - **收尾** 描述了测试用例执行完成后需要进行的操作。例如，如果测试用例导致数据库崩溃，测试人员应在其他测试用例执行前将其恢复。
  - **操作步骤** 完成测试所需逐步执行的操作。
  - **输入数据** 描述
- **结果**
  - **预期结果** 包含测试所有步骤完成后测试人员应观察到的现象的描述
  - **实际结果** 包含测试人员在完成测试步骤后所看到内容的简要描述。这通常会被**通过/失败** 所替代。如果测试用例经常失败，则应在本列中列出相关缺陷的引用。