

**INGEGNERIA DEL SOFTWARE 2016-2017**

**Fiorazon**

**14/12/2016**

**System Test Plan e Specifica dei Casi di Test 0.1**

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1. **Introduction**

Section 1 of the test plan describes the objectives and extent of the tests. The goal is to provide a framework that can be used by managers and testers to plan and execute the necessary tests in a timely and cost-effective manner.

1. **Relationship to other documents**

Section 2 explains the relationship of the test plan to the other documents produced during the development effort such as the RAD, SDD, and ODD (Object Design Document). It explains how all the tests are related to the functional and nonfunctional requirements, as well as to the system design stated in the respective documents. If necessary, this section introduces a naming scheme to establish the correspondence between requirements and tests.

1. **System overview**

Section 3, focusing on the structural aspects of testing, provides an overview of the system in terms of the components that are tested during the unit test. The granularity of components and their dependencies are defined in this section.

1. **Features to be tested/not to be tested**

Section 4, focusing on the functional aspects of testing, identifies all features and combinations of features to be tested. It also describes all those features that are not to be tested and the reasons for not testing them.

1. **Pass/Fail criteria**

section 5 specifies generic pass/fail criteria for the tests covered in this plan. They are supplemented by pass/fail criteria in the test design specification. Note that fail in the IEEE standard terminology means successful test in our terminology.

1. **Approach**

Section 6 describes the general approach to the testing process. It discusses the reasons for the selected integration testing strategy. Different strategies are often needed to test different parts of the system. A UML class diagram can be used to illustrate the dependencies between the individual tests and their involvement in the integration tests

1. **Suspension and Resumption**

Section 7 specifies the criteria for suspending the testing on the test items associated with the plan. It also specifies the test activities that must be repeated when testing is resumed.

1. **Testing materials**

Section 8 identifies the resources that are needed for testing. This should include the physical characteristics of the facilities, including the hardware, software, special test tools, and other resources needed (office space, etc.) to support the tests.

1. **Test Cases**

Section 9, the core of the test plan, lists the test cases that are used during testing. Each test case is described in detail in a separate Test Case Specification document. Each execution of these tests will be documented in a Test Incident Report document. We describe these documents in more details later in this section.

1. **Testing Schedule**

Section 10 of the test plan covers responsibilities, staffing and training needs, risks and contingencies, and the test schedule.

1. **Test case specification identifier**

he Test Case Specification identifier is the name of the test case, used to distinguish it from other test cases. Conventions such as naming the test cases from the features or the component being tested allow developers to more easily refer to test cases..

1. **Test items**

Section 2 of the TCS lists the components under test and the features being exercised.

1. **Input Specifications**

Section 3 lists the inputs required for the test cases.

1. **Output Specifications**

Section 4 lists the expected output. This output is computed manually or with a competing system (such as a legacy system being replaced).

1. **Environmental needs**

Section 5 lists the hardware and software platform needed to execute the test, including any test drivers or stubs.

1. **Special procedural requirements**

Section 6 lists any constraints needed to execute the test such as timing, load, or operator intervention.

1. **Intercase dependencies**

Section 7 lists the dependencies with other test cases.

1. **Team**

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1. **Storia delle versioni**

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| --- | --- | --- | --- |
| DATA | VERSIONE | DESCRIZIONE | AUTORE |
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