POLITECNICO MILANO 1863

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INTEGRATION TEST PLAN DOCUMENT

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version 1 – 21st January 2016

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Hours of work **15**

1
Introduction

1.1 Revision history

1.2 Purpose and scope

1.3 List of Definitions and Abbreviations

1.4 References

1.5 Overview of the document

2
Integration strategy

2.1 Entry criteria

Specify the criteria that must be met before integration testing of specific elements may begin (e.g., functions must have been unit tested).

2.2 Elements to be integrated

Identify the components to be integrated, refer to your design document to identify such components in a way that is consistent with your design.

2.3 Integration testing strategy

Describe the integration testing approach (top down, bottom up, functional groupings, etc.) and the rationale for the choosing that approach.

2.4 Sequence of Component/Function Integration

NOTE: The structure of this section may vary depending on the integration strategy you select in Section 2.3. Use the structure proposed below as a non mandatory guide.

2.4.1 Software Integration Sequence

For each subsystem: Identify the sequence in which the software components will be integrated within the subsystem. Relate this sequence to any product features/functions that are being built up.

2.4.2 Subsystem Integration Sequence

Identify the order in which subsystems will be integrated.

If you have a single subsystem, 2.4.1 and 2.4.2 are to be merged in a single section. You can refer to Section 2.2 of the test plan example [1] as an example of what we expect.

3
Individual Steps and Test Description

For each step of the integration process identified above, describe the type of tests that will be used to verify that the elements integrated in this step perform as expected. Describe in general the expected results of the test set. You may refer to Chapter 3 and Chapter 4 of the test plan example [1] as an example of what we expect. (NOTE: This is not a detailed description of test protocols. Think of this as the test design phase. Specific protocols will be written to fulfill the goals of the tests identified in this section.)

4
Tools and Test Equipment Required

Identify all tools and test equipment needed to accomplish the integration. Refer to the tools presented during the lectures. Explain why and how you are going to use them. Note that you may also use manual testing for some part. Consider manual testing as one of the possible tools you have available.

5
Program Stubs and Test Data Required

Based on the testing strategy and test design, identify any program stubs or special test data required for each integration step.

Hours of work

The writing of this document took the following amount of time:

Paolo Antonini 12 hours.

Andrea Corneo 10 hours.