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Team	NameOfTeam
Project	COS 301 Main Project
Product	Test Plan and Report
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Unit Test Plan & Report

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1 Introduction

Provide a brief introduction to your system as well as this document in this section. Explain the structure of this document briefly.

1.1 Purpose

This document combines the unit test plan and report into a single coherent artefact. Explain the purpose of your system and of this document here. Why is test driven development essential to your system.

1.2 Scope

The scope of this document is structured as follows. The features that are considered for testing are listed in section Tests that have been identified from the requirements are discussed in detail in section Furthermore, this document outlines the test environment and the risks involved in the testing approaches that will be followed. Assumptions and dependencies of this test plan will also be mentioned. Section 7.1, 7.1 and 9 outlines, discusses and concludes on the results of the tests, respectively.

1.3 Test Environment

Specify the properties of test environment: hardware, software, network. List any testing or related tools.

- Programming Languages:

- Testing Frameworks:

- Coding Environment:

- Operating System:

- Internet Browsers:

1.4 Assumptions and Dependencies

1. List the assumptions that have been made during the preparation of this plan.
2. List the dependencies.

Unit Test Plan

2 Test Items

3 Functional Features to be Tested

The aspects that will be tested and evaluated in these tests are described in the following sections. Describe the overall approach for the level of testing. For each major feature or group of features, specify the approach that will ensure that they are adequately tested. The approach may be described in sufficient detail to permit identification of the major testing tasks and estimation of the time required to do each one.

1. List the features of the software/product to be tested.
2. Provide references to the Requirements and/or Design specifications of the features to be tested

Explain briefly and provide table to introduce the different test cases

Feature ID	RDS Source	Summary	Test Case ID
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4 Test Cases

4.1 Test Case 1: AddPoints

4.1.1 Condition 1: AddPointsByEntity

4.1.1.1 Objective: The purpose of this test is to do the following...

4.1.1.2 Input: The following inputs will be used to test this functionality:

1. An existing Entity
2. A non-existing Entity

4.1.1.3 Outcome: The following are the expected outcomes for a pass result for the functionality:

1. outcome 1
2. outcome 2

4.1.2 Condition2

State all the conditions and all the test cases after this.

5 Item Pass/Fail Criteria

Each item tested must meet a certain criteria in order to pass. These criteria are as follows:

- ...
- ...

If any of the above criteria are not met, the item will be considered failed.

6 Test Deliverables

Artefacts to be produced as part of unit testing include the following:

- Test Plan
- Test Report
- Link to Test Code

Unit Test Report

7 Detailed Test Results

7.1 Overview of Test Results

Provide overview here, stating briefly which tests passed and failed and state possible reasons for this. Mention the frameworks used for unit testing and for integration testing and why these were selected. Mention how these assisted with the test execution.

7.2 Functional Requirements Test Results

The tests we have created for this module are contained within the file `provideLinkHere` and `provideGitLinkHereToo`.

7.2.1 Test Case 1 (TC 4.1.1)

The following results were obtained from the tests conducted. The tests to produce the following results have passed/failed and the reasons are stated below.

1. Reason 1
2. Reason 2

7.2.1.1 Result: Pass/ Fail.

7.2.2 Test Case 2 (TC 4.1.2)

1. Reason 1
2. Reason 2
3. Reason 3
4. Reason 4

7.2.2.1 Result: Pass/ Fail.

7.2.3 Test Case 3 (TC 6.1.3)

1. Reason 1
2. Reason 2
3. Reason 3

7.2.3.1 Result: Pass/ Fail.

7.2.4 Test Case 2 (TC 6.1.4)

1. Reason 1
2. Reason 2
3. Reason 3
4. Reason 4

7.2.4.1 Result: Pass/ Fail.

8 Other

1. Provide an image of the Maven build with appropriate dependencies here
2. Comment on the use of contracts and mock objects
3. Comment on whether the different use cases allow this application to be deployable into application server

9 Conclusions and Recommendations

Mention limitations of the test cases, environment and procedure followed. Mention the accuracy of the tests. Summarize reasons that tests failed. Mention ways to address the problems. Conclude the document in this section.