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IMPAKD

Project COS 301 Main Project

Product Test Plan and Report

Version 1.0

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## Unit Test Plan and Report

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# IMPAKD LINK

For further references see [gitHub](#). September 25, 2016

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# **1 Introduction**

## **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**

## **1.4 Assumptions and Dependencies**

# Unit Test Plan

## 2 Test Items

## 3 Functional Features to be Tested

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:

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

#### 4.1.2 Condition 2:

## 5 Item Pass/Fail Criteria

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

## 6 Test Deliverables

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

# Unit Test Report

## 7 Detailed Test Results

### 7.1 Overview of Test Results

### 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.

**7.2.1.1 Result:** Pass/ Fail.

#### 7.2.2 Test Case 2 (TC 4.1.2)

**7.2.2.1 Result:** Pass/ Fail.

#### 7.2.3 Test Case 3 (TC 6.1.3)

**7.2.3.1 Result:** Pass/ Fail.

#### 7.2.4 Test Case 4 (TC 6.1.4)

**7.2.4.1 Result:** Pass/ Fail.

## 8 Other

## 9 Conclusions and Recommendations