

CALS SIM

Test Documentation

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1 INTRODUCTION

1.1 PURPOSE OF THE TEST PLAN DOCUMENT

The purpose of this document is to define the testing strategy for CALS SIM Project. This document will provide the test structures and the testing framework which we will use in order to write our unit tests.

1.2 PY.UNIT

The testing framework which we will use for creating unit test would be PyUnit. It is basically a version of JUnit in Python Language. It provides classes for test fixtures, test cases, test suites and test runners (Unit Testing Framework, n.d.).

2 TEST CASES

Test ID	1
Title	Login
Pre-condition	Controller is at Workstation and Swiping Card to CALS Card Reader (Simulated by clicking on login button).
Test Steps	<ol style="list-style-type: none">1. Enter ATCO ID2. Select the other relevant details such as Responsibility, Operational Status, Weather and Traffic3. Click on “Log In” Button
Expected Outcome	Controller’s Log In Event is stored in Database.

Test ID	2
Title	Logout
Pre-condition	Controller is already logged in the system.
Test Steps	<ol style="list-style-type: none">1. Click on “Log Out” Button
Expected Outcome	Controller’s Log Out Event is stored in Database.

Test ID	3
Title	Update Settings
Pre-condition	Controller is already logged in the system.
Test Steps	<ol style="list-style-type: none"> 1. Go on the “Settings” Page 2. Update the Fields such as “Facility”, “Airspace Segment” and “Workstation”
Expected Outcome	The updated settings are stored in Database

3 BIBLIOGRAPHY

Unit Testing Framework. (n.d.). Retrieved from Python:
<https://docs.python.org/2/library/unittest.html>