Information

Name:	Project ordgp
Description:	Description of ordgp.
Version:	WIP
Date Created:	2022-01-21T10:15:30
Git Commit:	1e84b5100e09d9b6c5ea1b6c2ccee8957391beec
Git Tag:	ods-generated-v3.0-3.0-0b11-D
Git URL:	
OpenShift Cluster API URL:	https://openshift-sample
Created by Jenkins Job Name:	ordgp-cd/ordgp-releasemanager
Created by Jenkins Build Number:	666

Software Development Testing Plan for 'Project ordgp'

TABLE OF CONTENTS

1 INTRODUCTION

The purpose of the Software Development Testing Plan is to document the structural and/or functional testing of Project ordgp that will be conducted to verify the implementation of the design for each unit/module of the Computer System, and the system functions as specified in the System and Software Design / Functional Specifications.

2 RESPONSIBILITIES

Tests are executed by the platform / Jenkins build engine and are written by developers during the development phase.

Role	**Responsibilities**
Developer	Writes tests

3 TEST STRATEGY AND ENVIRONMENT

Tests are located within each repository, co-located to binaries or source code. Those tests are linked to test cases in *JIRA*, and their results are reported within the Software Development Testing Report. Jenkins executes those tests during the build, and potentially after the installation phase of each component, and uses **xUnit** to report them for later usage. The report is generated automatically from the xUnit results, linked to *JIRA* testcases.

3.1 TEST ENVIRONMENT

The tests are executed on qualified infrastructure (*BI-IT-DEVSTACK*, *BI-IT-CONTAINER-PAAS*). If a testcase requires further infrastructure (e.g. AWS), this is described as part of the System and Software Design Specification, and its location will be recorded as part of the Software Development Testing Report.

3.2 MODULES (UNIT) TESTED

The following table contains the list of repositories that will be scanned for unit tests. For the unit tests defined in JIRA, the ones considered rellevant for GxP functionailities, the test ID is shown. More information about them can be found in section 4.

Module Name	Description	Test IDs
backend	myDescription-A	ORDGP-137, ORDGP-138, ORDGP-139
frontend	myDescription-A	None defined
test	myDescription-A	None defined

3.3 EXCLUDED MODULES

N/A. The Software Development Testing Report will contain code/test coverage information, which includes any configured exclusions.

3.4 INTEGRATION LEVEL TESTS

Integration tests are executed in the CFTP/CFTR after all components were installed successfully. They are contained in a separate project, and if applicable, will be executed during *Installation Verification*.

3.5 SYSTEM LEVEL TESTS

N/A. In case they exist, they will be executed after the installation of the component / system, and if applicable in case the project management considers it necessary, will be managed on the CFTP/CFTR.

3.6 TEST DEPENDENCIES AND RELATIONSHIPS

N/A. All unit tests are contained within each component's repository. Integration and system tests are contained within an end-to-end test repository and, if applicable, are executed only after all components were installed and unit tested successfully.

3.7 ERROR HANDLING AND CORRECTIVE ACTIONS

Failing automated tests, at the unit, integration, and system level will cause the build process to abort. Detailed reporting of failed test cases will be reported as part of the Software Development Test Report, Installation Qualification Report, and Operational Qualification Report, respectively.

4 TEST CASES

The following table shows only the Unit test cases which mitigate or cover the corresponding Risks or System Requirements and are defined in Jira by the project team. They can be found in the detailed Unit Test Report searching by the ID from Jira.

CSD ID	Test ID	Reference to System and Software Design Spec	Assigned Risk Level per Risk Assessment	Description	Passed (Y/N)	Comments

ORDGP-125	ORDGP-137	N/A	Medium	Suspendisse potenti. Cras ante quam, hendrerit vel massa quis, ultricies pellentesque mauris. Pellentesque eu odio dictum, luctus massa vitae, dignissim enim. Morbi pretium massa quis nunc pharetra, id faucibus purus condimentum. Sed augue lacus, faucibus in erat non, rutrum rhoncus dolor. Proin ornare rutrum tristique. In dictum purus sit amet justo dignissim tristique. Sed ligula ante, tempus non turpis eget, iaculis consequat dui		

ORDGP-125	ORDGP-138	N/A	Medium	Suspendisse potenti. Cras ante quam, hendrerit vel massa quis, ultricies pellentesque mauris. Pellentesque eu odio dictum, luctus massa vitae, dignissim enim. Morbi pretium massa quis nunc pharetra, id faucibus purus condimentum. Sed augue lacus, faucibus in erat non, rutrum rhoncus dolor. Proin ornare rutrum tristique. In dictum purus sit amet justo dignissim tristique. Sed ligula ante, tempus non turpis eget, iaculis consequat dui		

ORDGP-125	ORDGP-139	N/A	Medium	Suspendisse potenti. Cras ante quam, hendrerit vel massa quis, ultricies pellentesque mauris. Pellentesque eu odio dictum, luctus massa vitae, dignissim enim. Morbi pretium massa quis nunc pharetra, id faucibus purus condimentum. Sed augue lacus, faucibus in erat non, rutrum rhoncus dolor. Proin ornare rutrum tristique. In dictum purus sit amet justo dignissim tristique. Sed ligula ante, tempus non turpis eget, iaculis consequat dui		

5 DEFINITIONS AND ABBREVIATIONS

5.1 DEFINITIONS

Term	Definition
Jenkins	Build engine supplied by cloudbees - part of OpenDevStack (BI-IT-DEVSTACK)
xUnit	Unit testing framework, aggregaults across multiple languages

5.2 ABBREVIATIONS

Abbreviation	Meaning
ODS	OpenDevStack
EDP	Enterprise Development Platform

6 REFERENCE DOCUMENTS

- Combined Specification Document (version BI-IT-DEVSTACK / WIP-666-WIP)
- System and Software Design Specification including Source Code Review Plan (version BI-IT-DEVSTACK / WIP-666-WIP)
- Risk Assessment (version BI-IT-DEVSTACK / WIP-666-WIP)

N/A

7 DOCUMENT HISTORY

Version	Date	Author	Change Reference
1	See Summary of electronic document or signature page of printout.		Initial document version.

The following table provides extra history of the document.

Version	Date	Author	Reference
	See summary of electronic document or signature page of printout.		