XYZ bank

Detailed Test Plan - UIS
XYZ System

This copy printed on:	February 8, 2022
Document Last Modification date:	February 8, 2022
Version:	0.1
Status:	<Draft >
Revision:	1
Document Owner:	XYZ BANK PCL.
Document Author:	XYXY
Document Reviewer:	<Reviewer/Manager>

Document History

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Revision History

Version Number	Revision Date	Summary of Changes	Changed by
V 0.1	08 Nov 2015	Initial Version	

Reviewer

Name	Position/ Department	Version	Review Date
(Name-Surname)	(Position / Department)	9.9	DD/MM/YYYY

Approvals

Name	Position/ Department	Version	Approve Date
Name-Surname)	(Position / Department)	9.9	DD/MM/YYYY

Distribution

This document is available to:

☐ Entire Project
☐ Restricted to the following team members

Name	Title
(name)	(title)

Contents

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1   Introduction

1.1   Background

The Detailed Test Plan (DTP) contains a detailed and executable strategy for conducting. It defines the detailed testing objective specific to a particular system, the testing approach, test environment, test conditions, and the test plan.

Target is to concentrate on internal and external fraud detection. The primary stage will concentrate on the detection of internal fraud at the retail and private branch operations and at the activity of staff accounts that defined from XYZ bank.

1.2   Testing Objectives

The objectives of testing are as follows:

• Implement a world-class fraud detection system that will be scalable and expandable and will assist the Bank compact and significantly reduce both internal and external fraud risk.
• Develop a fraud detection capability that allows the management of multiple fraud risk types through a common platform.
• Provide a robust fraud detection platform that can be used across multiple

enterprises across the XYZ bank.

1.3   Document Audience

Role	Name	Email/ Telephone	Organization
Product Owner			
Project Manager			
PMO			
QA			
Functional Team Lead			
BA			
Business Unit			
Development Team Lead			
Infrastructure Team Lead			

Role	Name	Email/ Telephone	Organization
Infrastructure Team			
Test Lead			
Test Team			
Deployment Team Lead			
Deployment Team			

* Remove the role which may not include in your project charter. * If document change version and the stakeholder name is changed, should modify the name as well..

1.4   References

This document is based on and refers to the following documents:

Table 1: Reference

Document Name	Author	Version	Update date
1. <Master Test plan>	<Name of last update person>	<V.9.9>	<Latest update date>
2. Bank Specification		V.0.1	February 8, 2022
3. <RTM : Requirement Traceability Matrix>	<Name of last update person>	<V.9.9>	<Latest update date>

1.5   Definition and Acronyms

This section provides information regarding the Acronyms and terminology specifically used in this document.

Table 2: Definitions and Acronyms

Acronym	Definition
CD	Cash Deposit
CW	Cash Withdrawal

2 Testable Items

2.1 In Scope

This test activity focuses on the following:

1. Perform investigations based on business rule.
2.
3.

2.1.1 Functional Scope

To list all functional area and description that will be in scope of testing.

Table 3: Functional

Functional Area	Functional Sub Area	Description
BR001	BR001_1	Detailed description
BR002	BR002_1	Detailed description
BR003	BR003_1	Detailed description

2.1.2 Non Functional Scope

To list all non functional area and description that will be in scope of testing.

Table 4: Non Functional

Non Functional Requirement	Description
NFR-001	Detailed description
NFR-002	Detailed description

2.2   Out of Scope

[It is important to clearly define (at a high level) all of the testable components of the solution that will not be tested. These should include infrastructure, functional subsets, non-functional requirements, and software modules. Specific testing activities (such as load and performance testing, penetration tests, etc) should also be listed. Brief reasoning behind why the items have been de-scoped should be included].

Table 5: Out of Scope Content

Item	Description
1	<High level describe the item of out scope>
2	<High level describe the item of out scope>
3	<High level describe the item of out scope>

2.3   Testing Exclusions

[A test exclusion is an element of the SUT that has not been de-scoped but which will not be tested by this plan due to (usually) a logistical issue. These may include activities such as report/letters distributed by fax/email/sms and may reference the test phase/level that will be responsible for conducting this testing].

3 Detailed Test Approach

All testing conducted by, or for, the KT Program complies with the Master Test Strategy. This DTP has been created to define the test activities documented in the   Master Test Plan

[Insert Release Name and Test Activity] will be tested using the following approach:

[List (in detail) the key elements that make up the strategy you will use to deliver the required test objectives. Wherever possible link specific activities to the relevant test objective. Change/edit the accompanying descriptions to suit the individual release].

3.1 Naming Conventions for Function Groups and Functions

[Use the Configuration Management naming conventions to define the structure used for the test project nomenclature. If HP Quality Center is to be used ensure the nomenclature rules also align with the requirements defined for it. The Test case ID should be agreed with the naming convention.

Rename this section as required:
… for Function Groups and Functions
… for Scenarios and Usecases
etc]

3.2 Test Case Design

Extract testable requirements from the requirement specifications and design test conditions which accurately reflect the functional enhancements and changes.
[Add design elements/requirements specific to this test activity].

Identify test approach about test case design before identify the detail of test case test script in next step. To declare what is the concern item of each module or functional/non functional area and what the test case design is for detect the defect. The test technique should be state for this section. XYZ bank test coverage matrix should be mention and state that how to ensure the project will follow this guideline.

Test design should mention about the group of regression impact. If the most of the defect occur on the area which test case design should be re-test. And the regression test approach should be mention as well.

3.3 Test Scheduling

Identify test schedule for <Test level> base on <project master plan version>. The high level plan for testing preparation, test execution, defect fixing, and data test preparation period are identified as below. <The format of schedule can demonstrate in structure of table of calendar or schedule in Microsoft project>

[For complex test schedules reference any external tools or systems you will be using/developing to support the scheduling. Include specific flags or nomenclature that will be used to identify/classify test scripts and test cases that have to be executed at a specific point in the schedule. (pre or post batch, day one, after script xyz has executed, etc]

Figures 1: Test schedule

Test Phase/Cycle	Date	Resource	Duration	Nov-13				Dec-13					Jan-14					Feb-14				Mar
				WK1	WK2	WK3	WK4	WK1	WK2	WK3	WK4	WK5	WK1	WK2	WK3	WK4	WK5	WK1	WK2	WK3	WK4	WK1 WK2
UIS (Unit Integration and System Test)																						
UIS environment readiness checking	25/12/13 – 3/1/14	DecTech	4																			
UIS Execution and Reporting																						
UIS Cycle 1 - Execution and Defect Fix	23/12/13 – 24/1/14	DecTech	6																			
UIS Cycle2 - Execution and final Defect Fix	27/1/14 – 14/3/14	DecTech	7																			

Table 6: Example test cycle

Batch Run #	Function to be Executed	Cycle Date
Batch Run 1 (Daily)	Account Enquiries New Account Set-up Transaction Processing	TBD *(to be defined)
Batch Run 2 (Cycle)	Interest Posting Minimum Payment	12/06/09
Batch Run 3 (Daily)	Interest Accrual	TBD *(to be defined)

3.4   Data Build

Identify plan to get data for each testing area. Mention the approach and activity plan for getting test data properly. The process step of prepare data mention here.

[Document the strategies that will be used to generate or extract appropriate data for the test effort].

3.5   Results/Sign-Off

3.5.1   Suspension/Resumption Criteria

Testing will halt for a particular project item (or function) when:

- A critical problem is identified and where the potential code fix will require substantial re-testing of that function
- It is identified that the business or technical specifications require major modifications due to escalated test issues and those modifications would require additional test analysis and or modification to the Detailed Test Plan.
- The test regions or test environment are not available (for any reason).
- The test regions or test environment suffer performance problems below 50% of their normal operating capacity, such that a region fix will require substantial re-testing of that function.
- [Document all other suspension/resumption. Make sure the resumption criteria are unambiguously defined].

<Select from below table only testing level related on this DTP> consider the entry and Exit criteria reasonable on your project>

3.5.2 Pass/Fail Criteria

The specific pass/fail criteria for the testing at both the test cycle and release level are identifying in table below. This can include percentage of severity 3 and 4 defects that will be allowed to migrate between test/production environment and any specific business defined criteria. Identify information in this part , select only current testing level involve in this DTP.

[Document any specific pass/fail criteria for the testing at both the test cycle and the overall test activities. This can include percentage of severity 3 and 4 defects that will be allowed to migrate between test/production regions and any specific business defined criteria].

Table 7: Entry and Exit criteria of testing level

Testing Level	Entry criteria Guideline	Exit Criteria Guideline
UIS testing	• Test environment available with latest software build • Updated requirements documents (including change requests) • Component designs signed-off • Interface designs (e.g. message formats/API protocols) agreed with Architecture team and with dev teams • Environment configuration data has been defined and set-up	• U/I/S testing objectives met • All outstanding errors documented and assigned a severity level agreed with the Vendor manager • All severity critical and high errors corrected or with agreed short-term workarounds • Full defect logs from final cycle of testing available for review • Sample test plans/scripts available for review • Test summary report distributed • Software release packaged and under source control
SIT testing	• System, Pre-SIT test exit criteria met • Business requirements and specification documents signed-off • Test environment available with latest software build deployed • Environment configuration data has been defined and set-up • Consolidated release note available • SIT test preparation complete • SIT risk based schedule agreed by all parties	• SIT testing objectives met • All test cases have been executed at least once (100% execution coverage) • All outstanding errors documented and assigned a severity level agreed with the release management and vendor management. • All severity critical and high errors corrected or with agreed short-term workarounds • SIT testing analysis complete • Test summary report distributed and approved
UAT testing	• SIT exit criteria met • Business requirements signed-off • Business process maps complete and signed-off • Training material available • Test environment available with latest software build deployed • Environment configuration data has been defined and set-up	• UAT testing objectives met • All test cases have been executed at least once (100% execution coverage) • All outstanding errors documented and assigned a severity level agreed with management team • All severity critical and high errors corrected or have documented workarounds formally agreed with business • Test summary report distributed and approved • Formal UAT Sign-off from K-Bank received
	•	•
	•	•

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4 Test Conditions

4.1 Business Event 1 - BR001

Testing will demonstrate the following:

4.2 Business Event 2 – BR002

Testing will demonstrate the following:

4.3 Business Event 14 – BR0014

Testing will demonstrate the following:

There is any financial transaction from dormant account. The dormant account means the account does not have any movement from customer action after end of the first due for 365 days. This excludes all batch jobs i.e. interest posting.

Product	Start Date	Due Date	Open A/C / Sub A/C	
3 Month	1/1/2013	31/3/2013	90	(1)
3 Month	1/4/2013	30/6/2013	90	(2)
3 Month	1/7/2013	30/9/2013	90	(3)
3 Month	1/10/2013	31/12/2013	90	(4)
3 Month	1/1/2014	31/3/2014	90	(5)
3 Month	1/4/2014	30/6/2014	90	(6)

The first due of 3-Month fixed account (1), 31/3/2013 + 365 days = 31/3/2014
If there is no customer transaction within 31/3/2014, this 3-Month fixed account is called dormant account.

Application Name: S1-ET, CT-Win

5   Test Environments

List and/or graphically show the proposed testing environment/s. For small testing projects complete all of the listed sections. Larger projects may require a separate Test Environment Plan to be produced. If Master test plan already specify may refer to MTP plan instead.

5.1   Client Side Infrastructure

Provide detailed list/s of required hardware and software at Client side to support testing activity of each test level and test environment. May use tabular format for explain the content.

5.2   Host/Server Side Infrastructure

Provide detailed list/s of required hardware and software at Host or Server to support testing activity of each test level and test environment. May use tabular format for explain the content.

5.3   Middleware

Provide detailed list/s of required Middleware to support testing activity of each test level and test environment. Eg. Test engine or test stub required for interface test.

5.4   Test Data preparation

Define the data subset/s that needs to be pre-loaded into the test environments. This content in is mention about infrastructure preparation view, it does not about the data condition or concept that mention in section 3.2 Data test.

[Provide detailed data requirements. Where specific data is required to establish a data condition or execute a test script provide either a list of these data requirements or reference the location of this information. Include the processes that will be used to deliver the data to the test region. (production extract by operations staff, build by automated scripts, generated by the development team/vendor etc)].

6   Test Schedule

[Provide a schedule showing how testing will be divided for execution. Use the following as an indicative sample. If a separate schedule is used provide an appropriate docref: and link and reference the rules governing its management].

Batch Run #	Function to be Executed	Cycle Date Req
Batch Run 1 (Daily)	• Account Enquiries • New Account Set-up • Transaction Processing	NIL
Batch Run 2 (Cycle)	• Interest Posting • Minimum Payment	12/06/09
Batch Run 3 (Daily)	• Interest Accrual	NIL

Appendix A - System Schematic/s

Clearly document the System Schematic used for test on this level.