## Test strategy

## PlanIT – Online Bank Account Self service v0.1

## PlanIT Manager

Date 06/06/2019

# 1. Scope and Overview:

The scope of this project is to validate the functionality of the PlanIT self-service bank account creation tool which includes:

* Admin module
* Customer Module

Testing should also cover both saving and current account creation in conjunction with business rules such as three step customer identification process and eligibility.

The scope does not cover the integration of the above-mentioned modules with other modules such as Loans, Long term deposits, etc.

This document serves project QA team to guide how testing will be managed for this project. The QA Manager and Project Manager shall review and approve the Test Strategy document.

# 2. Strategy

## 2.1 Objectives

Validation and verification are key objectives of this testing. The baseline for validation and verification are test scripts that are developed from specifications document in collaboration with developers and SME’s/BA’s. The objective is also to test in accordance to the Industry best practices and standards that should be tested in any software product.

## 2. 2 Assumptions

* Dev Team and SME’s resource availability is ensured during the functional testing phases.
* All Test cases developed by testing team are approved and signed off by SME’s
* Test environment and data setup for testing is owned by Development teams
* PlanIT online Banking project functional testing will be considered as black box, meaning, no database/backend testing will be done. Anything reflecting in front end and reports in considered to accurate if matching the test results

## 2.3 Environment

CERT domain will be used for functional testing. This domain will be a true replica of DEV domain and will be frequently refreshed from DEV domain, depending on the changes.

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## 2.4 Phases of testing

**Functional Testing :**

**Purpose:** Functional testing will be performed to check the functionality of bank account creation module. The

functional testing is carried out by feeding the input and validates the output from the application.

**Scope:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Application** | **Module** | **Sub-Module** | **Functionality** |
| PlanIT Online Banking | Account creation | Savings Account |  |
|  |  |  | Customer driven Account request |
|  |  |  | Admin driven Account request |
|  |  |  |  |
|  |  | Current Account |  |
|  |  |  | Customer driven Account request |
|  |  |  | Admin driven Account request |

* This phase’s entry criteria is dependent upon the sign off from Dev team and domain/data setup. Also, all functional test scripts are signed off by the SME’s
* Project Testing teams owns the responsibility of this phase.
* Test scripts will be available in the test lab of “PlanIT Online Banking Test Lab”
* All evidences will be captured and reported from HP ALM by the testing team
* Test lead will be responsible for daily status reports and completion report at the end of testing phase.

**Regression Testing:**

**Purpose:** Regression testing will be performed to ensure that bug-fixes or changes done by the Dev teams has no negative impact the surrounding functionalities. The range and depth of the regression testing depends on the nature of the fix/change and is dynamic.

**Scope:** NA, as we cannot presume the fixes or changes before the start of Functional testing**.** It is always a good practice to keep some flexibility on the functional testing timelines so that regression testing is also covered.

## 2.5 Testing Tools

HP ALM – Test case development, Test case execution, Defect logging and Reporting

Automation tool – Selenium for regression testing

## 2.6 Release control

All test scripts are based on the specification document – PlanIT Online Banking system V9.1. Build will be deployed in to Cert domain and data setup for functional testing will be completed by Dev team according to the project plan. Any deviations from the specifications and build release timelines will impact the testing timelines so it should be considered a new release and will lead to a detail planning phase.

2.7 Risk and Mitigation

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Sev** | **Impact** | **Mitigation** |
| Schedule - Holiday period | high | high | Upcoming holiday period was accounted in to the project but deviation from specifications deliverables has an impact on testing timelines now. Mitigation planned to engage offshore India teams to balance the workload during Australia holiday period |
| Regression testing | Med | Med | There is a good change that some valid defects could lead to fixes or even new functionalities/changes. This may have huge impact on the timelines, so the mitigation plan is to allow additional time into functional testing so as to cover egression testing |

2.8 Review and Approval

**Document Sign Off**

The following roles has **approved** this document

|  |  |  |
| --- | --- | --- |
| Position | Signature | Date |
| Project Director for PlanIT Bank |  |  |

The following roles have **agreed** and **signed** this document

|  |  |  |
| --- | --- | --- |
| Position | Signature | Date |
| Test Manger |  |  |
| Dev Team |  |  |
| SME Manager |  |  |