

Test Plan for Alfardan Exchange Branch Management Module

1. Introduction

This test plan outlines the strategy, objectives, resources, schedule, and deliverables for testing the Alfardan Exchange Branch Management Module. This module includes functionalities such as branch creation, view, area creation, area mapping, time extension request, branch risk register, and day-end activity report.

2. Test Objectives

- Ensure all functionalities of the Branch Management Module are working as expected.
- Verify that the system meets the specified requirements.
- Identify and fix any defects in the application.
- Validate the performance and usability of the module.

3. Scope

- **In-Scope:** Testing functionalities related to branch creation, view, area creation, area mapping, time extension request, branch risk register, and day-end activity report.
- **Out-of-Scope:** Integrations with other systems not part of the Branch Management Module.

4. Test Items

- Branch Creation
- Branch View
- Area Creation
- Area Mapping
- Time Extension Request
- Branch Risk Register
- Day-End Activity Report

5. Test Approach

- **Manual Testing:** For detailed functional and UI testing.

6. Test Levels

- **Unit Testing:** Done by developers.
- **Integration Testing:** Verify interaction between modules.
- **System Testing:** Complete testing of the Branch Management Module.

- **User Acceptance Testing (UAT):** End-users test the system for acceptance.

7. Test Environment

- **Hardware:** Specific servers, workstations.
- **Software:** Operating Systems, Databases, Browsers, and Testing Tools.
- **Network:** Appropriate network settings for testing.

8. Test Schedule

Phase	Start Date	End Date
Test Planning	2024-05-01	2024-05-02
Test Design	2024-05-03	2024-05-05
Test Environment Setup	2024-05-06	2024-05-06
Test Execution	2024-06-07	2024-06-12
Defect Reporting	2024-06-07	2024-06-12
Test Closure	2024-06-13	2024-06-23

9. Test Cases

9.1 Branch Creation

- **Test Case ID:** BC01
- **Title:** Create a new branch
- **Description:** Verify that a new branch can be created with valid data.
- **Preconditions:** User must be logged in with appropriate permissions.
- **Steps:**
 1. Navigate to the Branch Creation page.
 2. Enter valid branch details.
 3. Click 'Save'.
- **Expected Result:** Branch is created successfully and visible in the branch list.

9.2 Branch View

- **Test Case ID:** BV01
- **Title:** View branch details
- **Description:** Verify that branch details can be viewed.
- **Preconditions:** Branch must exist.

- **Steps:**
 1. Navigate to the branch list.
 2. Click on a branch to view details.
- **Expected Result:** Branch details are displayed correctly.

9.3 Area Creation

- **Test Case ID:** AC01
- **Title:** Create a new area
- **Description:** Verify that a new area can be created with valid data.
- **Preconditions:** User must be logged in with appropriate permissions.
- **Steps:**
 1. Navigate to the Area Creation page.
 2. Enter valid area details.
 3. Click 'Save'.
- **Expected Result:** Area is created successfully and visible in the area list.

9.4 Area Mapping

- **Test Case ID:** AM01
- **Title:** Map area to branch
- **Description:** Verify that an area can be mapped to a branch.
- **Preconditions:** Area and branch must exist.
- **Steps:**
 1. Navigate to the Area Mapping page.
 2. Select a branch and an area to map.
 3. Click 'Map'.
- **Expected Result:** Area is successfully mapped to the branch.

9.5 Time Extension Request

- **Test Case ID:** TER01
- **Title:** Submit a time extension request
- **Description:** Verify that a time extension request can be submitted.
- **Preconditions:** User must be logged in with appropriate permissions.
- **Steps:**
 1. Navigate to the Time Extension Request page.
 2. Enter the necessary details.
 3. Click 'Submit'.
- **Expected Result:** Time extension request is submitted successfully.

9.6 Branch Risk Register

- **Test Case ID:** BRR01
- **Title:** Add an entry to the branch risk register
- **Description:** Verify that an entry can be added to the branch risk register.

- **Preconditions:** User must be logged in with appropriate permissions.
- **Steps:**
 1. Navigate to the Branch Risk Register page.
 2. Enter the risk details.
 3. Click 'Add'.
- **Expected Result:** Entry is added to the branch risk register successfully.

9.7 Day-End Activity Report

- **Test Case ID:** DEAR01
- **Title:** Generate day-end activity report
- **Description:** Verify that a day-end activity report can be generated.
- **Preconditions:** Day-end activities must be completed.
- **Steps:**
 1. Navigate to the Day-End Activity Report page.
 2. Select the date and other necessary filters.
 3. Click 'Generate'.
- **Expected Result:** Day-End Activity Report is generated successfully.

10. Test Resources

- **Personnel:** QA Engineers, Developers, Product Owners, Business Analysts.
- **Tools:** JIRA, Slack

11. Defect Management

- **Tool:** JIRA
- **Process:** Defects will be logged, prioritized, assigned, and tracked to closure.

12. Risks and Contingencies

- **Risks:** Potential delays in development, Environment issues, Unavailability of resources.
- **Mitigation:** Regular status meetings, Backup resources, Contingency planning.

13. Test Deliverables

- Test Plan
- Test Cases
- Test Reports
- Defect Logs
- Test Summary Report

14. Entry Criteria

1. **Software Build Availability:** The latest version of the Branch Management Module software build is available for testing.

2. **Test Environment Readiness:** The test environment, including hardware, software, and network configurations, is set up and verified to be stable and functional.
3. **Test Data Preparation:** Test data required for executing test cases is prepared and available in the test environment.
4. **Test Plan Approval:** The test plan, including test strategy, test cases, and schedules, has been reviewed and approved by stakeholders.
5. **Test Team Readiness:** The testing team is fully assembled, with roles and responsibilities assigned, and all team members are trained and equipped with necessary resources.
6. **Prerequisites Met:** Any specific prerequisites or dependencies required for testing (e.g., access permissions, third-party integrations) are fulfilled.
7. **Documentation Availability:** Relevant project documentation, including requirements, design documents, and user manuals, is accessible to the testing team.

15. Exit Criteria

1. **Completion of Test Execution:** All planned test cases, including functional, non-functional, and regression tests, have been executed.
2. **Defect Closure:** All critical and high-priority defects identified during testing have been fixed and verified as resolved.
3. **Test Coverage Achieved:** The defined test coverage goals, including requirements coverage and code coverage, have been achieved.
4. **Stakeholder Approval:** The test results, including test reports and any outstanding issues, have been reviewed and approved by stakeholders.
5. **System Stability:** The system stability and performance have been verified under different conditions, and no major issues impacting usability or functionality remain unresolved.
6. **Documentation Updated:** Test documentation, including test cases, test reports, and any other relevant artifacts, have been updated to reflect the latest testing results.
7. **Acceptance Criteria Met:** The acceptance criteria defined for the Branch Management Module, including user acceptance testing (UAT) results, have been met.
8. **Sign-off:** Formal sign-off from project stakeholders, indicating their acceptance of the tested software and readiness for deployment, has been obtained.

16. Approval

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- **Date:** [2024-05-06]