Title: Registered User Login From a New Device

Test Plan

Objective:
To ensure that the "Registered User Login From a New Device" feature works as expected, providing secure access and meeting all the acceptance criteria.

Scope:

- Functional testing of login functionality.

- Validation of OTP-based authentication.

- Logout functionality on other devices.

- Notification of successful login.

Test Types:

1. Functional Testing

2. Usability Testing

3. Risk-Based Testing (RBT)

4. Regression Testing

Environment:

- Platforms :Desktop and mobile

- Devices Browsers: Chrome, Firefox

- : Android (mobile), Windows (desktop)

Entry Criteria:

- The login page is accessible.

- User credentials are pre-registered in the system.

Exit Criteria:

- All critical test cases are executed with a pass status.

- Defects are resolved

Test Deliverables:

- Test Plan

- Test Cases

- Bug Reports

- Test Summary Report

Risk-Based Testing (RBT)

1. **High Risk:** OTP not received or delayed.

2. **High Risk:** Login from new devices fails due to incorrect implementation.

3. **Medium Risk:** Logout from other devices is incomplete or delayed.

4. **Low Risk:** SMS notification not delivered

Mitigation Steps:

1. Validate OTP services in varied network conditions.

2. Use automation scripts for repeated login/logout tests.

3. Test SMS gateway integration thoroughly.

Test Cases (Acceptance and Edge Cases)

Test Case 1: Successful Login from New Device

- **Precondition:** User has an existing account.

- **Steps:**

  1. Navigate to the login page.

  2. Enter valid phone number and password.

  3. Click on the "Next" button.

  4. Validate the input.

  5. Enter the OTP received.

  6. Click Login button.

- **Expected Result:** Login successful, redirected to the home page, SMS notification sent, and login to the new device

Test Case 2: Invalid Phone Number

- **Precondition:** User has an existing account.

- **Steps:**
    1. Navigate to the login page.
    2. Enter Invalid phone number and valid password.
    3. Click on the "Next" button and attempt to proceed
- **Expected Result:** The proper Error message should be display

Test Case 3: Incorrect Password

- **Precondition:** User has an existing account.
- **Steps:**
    1. Navigate to the login page.
    2. Enter valid phone number and Invalid password.
    3. Click on the "Next" button and attempt to proceed
- **Expected Result:** The proper Error message should be display

Test Case 4: OTP Not Received

- **Precondition:** User has an existing account.
- **Steps:**
    1. Navigate to the login page.
    2. Enter valid phone number and Invalid password.
    3. Click on the "Next" button and attempt to proceed but do not receive OTP.
- **Expected Result:** "Resend OTP" option available; ensure SMS gateway is triggered again.

Test Case 5: Login Without Internet

- **Precondition:** Ensure the internet connection is disabled on the device
- **Steps:**
    1. Navigate to the login page

2. Enter valid login credentials

3. Disable the internet connection on the device

4. Attempt to proceed by clicking the "Login" button

- **Expected Result:** The system should display an error message

Test Case 6: Concurrent Login Attempt

- **Precondition:** User is already logged in on one device

- **Steps:**

    1. Log in to the system on Device A using valid

    2. On Device B, navigate to the login page

    3. Enter the same valid credentials as used on Device A and attempt to log in

- **Expected Result:** All active sessions on other devices (e.g., Device A) should be logged out automatically

Test Case 7: SMS Notification Test

- **Precondition:** The user's phone number is registered in the system and capable of receiving SMS

- **Steps:**

    1. Navigate to the login page
    2. Enter valid login credentials
    3. Proceed with the login process and successfully authenticate using the OTP
    4. Verify that the login is successful, and the user is redirected to the home page
    5. Check the device for an SMS notification

- **Expected Result:** SMS notification should be received immediately after the login

Test Case 8: Multiple Failed Login Attempts

- **Precondition:** The user account exists in the system with valid credentials

- **Steps:**

    1. Navigate to the login page
    2. Enter the registered phone number
    3. Attempt to log in using an incorrect password repeatedly
    4. Observe the behavior after exceeding the allowed number of attempts

- **Expected Result:** Display an appropriate error message, e.g., "Your account has been locked due to multiple failed login attempts. Please try again later or reset your password."

Test Runs

Test Run Name : Registered User Login From a New Device

Description: To ensure that the "Registered User Login From a New Device" feature works as expected, providing secure access and meeting all the acceptance criteria.

Environment: QA

Test cases:

Test Case 1: Successful Login from New Device

- **Precondition:** User has an existing account.

- **Steps:**

    1. Navigate to the login page.

    2. Enter valid phone number and password.

    3. Click on the "Next" button.

    4. Validate the input.

    5. Enter the OTP received.

    6. Click Login button.

- **Expected Result:** Login successful, redirected to the home page, SMS notification sent, and login to the new device

- **Status:** Pending

Test Case 2: Invalid Phone Number

- **Precondition:** User has an existing account.

- **Steps:**

    1. Navigate to the login page.

    2. Enter Invalid phone number and valid password.

    3. Click on the "Next" button and attempt to proceed

- **Expected Result:** The proper Error message should be display

- **Status:** Pending

Test Case 3: Incorrect Password

- **Precondition:** User has an existing account.

- **Steps:**

    1. Navigate to the login page.

    2. Enter valid phone number and Invalid password.

    3. Click on the "Next" button and attempt to proceed

- **Expected Result:** The proper Error message should be display

- **Status:** Pending

Test Case 4: OTP Not Received

- **Precondition:** User has an existing account.

- **Steps:**

    1. Navigate to the login page.

    2. Enter valid phone number and Invalid password.

3. Click on the "Next" button and attempt to proceed but do not receive OTP.

- **Expected Result:** "Resend OTP" option available; ensure SMS gateway is triggered again.

- **Status:** Pending

Test Case 5: Login Without Internet

- **Precondition:** Ensure the internet connection is disabled on the device

- **Steps:**
    1. Navigate to the login page
    2. Enter valid login credentials
    3. Disable the internet connection on the device
    4. Attempt to proceed by clicking the "Login" button

- **Expected Result:** The system should display an error message

- **Status:** Pending

Test Case 6: Concurrent Login Attempt

- **Precondition:** User is already logged in on one device

- **Steps:**
    1. Log in to the system on Device A using valid
    2. On Device B, navigate to the login page
    3. Enter the same valid credentials as used on Device A and attempt to log in

- **Expected Result:** All active sessions on other devices (e.g., Device A) should be logged out automatically

- **Status:** Pending

Test Case 7: SMS Notification Test

- **Precondition:** The user's phone number is registered in the system and capable of receiving SMS

- **Steps:**

    1. Navigate to the login page

    2. Enter valid login credentials

    3. Proceed with the login process and successfully authenticate using the OTP

    4. Verify that the login is successful, and the user is redirected to the home page

    5. Check the device for an SMS notification

- **Expected Result:** SMS notification should be received immediately after the login

- **Status :** Pending

Test Case 8: Multiple Failed Login Attempts

- **Precondition:** The user account exists in the system with valid credentials

- **Steps:**

    1. Navigate to the login page

    2. Enter the registered phone number

    3. Attempt to log in using an incorrect password repeatedly

    4. Observe the behavior after exceeding the allowed number of attempts

- **Expected Result:** Display an appropriate error message, e.g., "Your account has been locked due to multiple failed login attempts. Please try again later or reset your password."

- **Status:** Pending

---**END**-------------------------------------

Title: Individual Investor - Upgrade To Premium

Test Plan

Objectives:

- Verify the process of upgrading from a regular individual account to a premium account

- Ensure that the user can choose from one of the three eligibility options

- Validate the document upload process, ensuring the user can successfully submit and prove ownership of the required documents

- Validate the notification process for both the user and the relation manager

Scope:

- Upgrading from a regular individual account to a premium account.

- Selection of eligibility criteria (assets, financial sector, or certification).

- Document upload and verification of ownership.

- View and Approval process by compliance staff.

- Notification handling for the user and relation manager

Test Types:

1. Functional Testing

2. Usability Testing

3. Integration Testing

4. Risk-Based Testing (RBT)

5. Regression Testing

Environment:

- Platforms :Desktop and mobile

- Browsers: Chrome, Firefox

- Devices: Android (mobile), Windows (desktop)

Entry Criteria:

- User account is verified as an individual investor.

- All prerequisites (eligibility criteria) have been defined.

- Test environment is set up and stable.

- Test data (for documents and user details) has been prepared

Exit Criteria:

- All functional, integration, usability, and regression tests have been executed and passed.

- The document upload, approval, and notification processes have been verified and are working as expected.

- Compliance department staff can successfully approve the upgrade requests.

- The relation manager receives notifications as required.

- No critical bugs remain unresolved, and the user's experience aligns with the expected outcomes

Test Deliverables:

- Test Plan

- Test Cases

- Bug Reports

- Test Summary Report

Test Cases (Acceptance and Edge Cases)

Test Case 1: Verify Option Selection for Upgrade

- **Precondition**: User is logged in as a verified individual investor.

- **Steps**:

1. Navigate to the account page.

2. Click on the "Upgrade to Premium" button.

3. Select one of the three available options (Assets worth 3 million SAR, Financial Sector experience, or a certification in finance).

- **Expected Result**: User is able to successfully select one of the options and the user is redirected to the document upload page

Test Case 2: Verify Document Upload for Premium Upgrade

- **Precondition**: User has selected an upgrade option.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options

    4. Redirected to the document upload page, click on "Upload Documents."

    5. Upload a document proving the selected criteria

    6. Submit the documents for review.

- **Expected Result**: User receives a notification confirming successful document upload.

Test Case 3: Compliance Team Approval Workflow

- **Precondition**: User has uploaded the documents for premium upgrade.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options

    4. Redirected to the document upload page, click on "Upload Documents."

    5. Upload a document proving the selected criteria

6. Compliance staff view the uploaded documents.

7. Compliance staff approves or rejects the document.

- **Expected Result**: Compliance staff can view and approve or reject the upgrade request. An appropriate notification is sent to the relation manager regarding the request status.

Test Case 4: Notification After Document Upload

- **Precondition**: User has uploaded the documents successfully.

- **Steps**:

  1. Navigate to the account page.

  2. Click on the "Upgrade to Premium" button.

  3. Select one of the three available options

  4. Redirected to the document upload page, click on "Upload Documents."

  5. Upload a document proving the selected criteria

  6. Submit the documents for approval.

- **Expected Result**: The system sends a notification to the user confirming the successful upload of the documents.

Test Case 5: Invalid Document Format

- **Precondition**: User selects an upgrade option and attempts to upload invalid document types

- **Steps**:

  1. Navigate to the account page.

  2. Click on the "Upgrade to Premium" button.

  3. Select one of the three available options

  4. Redirected to the document upload page, click on "Upload Documents."

  5. Upload an unsupported document format.

- **Expected Result**: The system displays an error message indicating that the document format is not supported.

Test Case 6: Missing Required Document

- **Precondition**: User selects an upgrade option but forgets to upload a required document.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options

    4. Redirected to the document upload page, click on "Upload Documents."

    5. Skip the document upload option

- **Expected Result**: The system prompts the user to upload the necessary documents before proceeding

Test Runs

Test Run Name : Premium Upgrade Workflow

Description: To validate the functionality and user experience of the "Upgrade to Premium" process, including option selection, document upload, compliance review, and notification handling.

Environment: QA

Test cases:

Test Case 1: Verify Option Selection for Upgrade

- **Precondition**: User is logged in as a verified individual investor.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options (Assets worth 3 million SAR, Financial Sector experience, or a certification in finance).

- **Expected Result**: User is able to successfully select one of the options and the user is redirected to the document upload page

- **Status**: Pending

Test Case 2: Verify Document Upload for Premium Upgrade

- **Precondition**: User has selected an upgrade option.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options

    4. Redirected to the document upload page, click on "Upload Documents."

    5. Upload a document proving the selected criteria

    6. Submit the documents for review.

- **Expected Result**: User receives a notification confirming successful document upload.

- **Status**: Pending

Test Case 3: Compliance Team Approval Workflow

- **Precondition**: User has uploaded the documents for premium upgrade.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options

    4. Redirected to the document upload page, click on "Upload Documents."

    5. Upload a document proving the selected criteria

    6. Compliance staff view the uploaded documents.

    7. Compliance staff approves or rejects the document.

- **Expected Result**: Compliance staff can view and approve or reject the upgrade request. An appropriate notification is sent to the relation manager regarding the request status.

- **Status**: Pending

Test Case 4: Notification After Document Upload

- **Precondition**: User has uploaded the documents successfully.

- **Steps**:

  1. Navigate to the account page.

  2. Click on the "Upgrade to Premium" button.

  3. Select one of the three available options

  4. Redirected to the document upload page, click on "Upload Documents."

  5. Upload a document proving the selected criteria

  6. Submit the documents for approval.

- **Expected Result**: The system sends a notification to the user confirming the successful upload of the documents.

- **Status**: Pending

Test Case 5: Invalid Document Format

- **Precondition**: User selects an upgrade option and attempts to upload invalid document types

- **Steps**:

  1. Navigate to the account page.

  2. Click on the "Upgrade to Premium" button.

  3. Select one of the three available options

  4. Redirected to the document upload page, click on "Upload Documents."

  5. Upload an unsupported document format.

- **Expected Result**: The system displays an error message indicating that the document format is not supported.

- **Status**: Pending

Test Case 6: Missing Required Document

- **Precondition**: User selects an upgrade option but forgets to upload a required document.

- **Steps**:

    1. Navigate to the account page.

    2. Click on the "Upgrade to Premium" button.

    3. Select one of the three available options

    4. Redirected to the document upload page, click on "Upload Documents."

    5. Skip the document upload option

- **Expected Result**: The system prompts the user to upload the necessary documents before proceeding

- **Status**: Pending

---**END**--

Title: Approvals Notifications | SMS

Test Plan

Objectives:

- Verify that SMS notifications are sent correctly for loan approval and rejection scenarios.

- Ensure the SMS content aligns with the user story requirements.

- Validate edge cases to ensure robustness of the notification system

Scope:

- Approval notification for loan requests.
- Rejection notification with reasons provided by the relationship manager.

Test Types:

1.Functional Testing

2.Usability Testing

3.Security Testing

4.Risk-Based Testing (RBT)

5.Regression Testing

Environment:

- Platforms :Desktop and mobile

- Browsers: Chrome, Firefox

- Devices: Android (mobile), Windows (desktop)

Entry Criteria:

- Development of features described in the user stories is complete.

- Test cases are reviewed and approved.

Exit Criteria

- All planned test cases have been executed.

- All critical and major defects have been resolved.

- Test summary report is completed.

Test Deliverables:

- Test Plan

- Test Cases

- Bug Reports

- Test Summary Report

Risk-Based Testing (RBT)

High Risk:

- Sending incorrect or incomplete information in SMS.
- Failure in sending SMS due to system issues

- Delays in SMS delivery due to approval process or system lag

Medium Risk:

- Notifications triggered for incorrect recipients.
- Relationship manager notification not properly logged or processed.

Low Risk:

- UI/UX for notification configuration

Test Cases (Acceptance and Edge Cases)

Test Case 1: Verify SMS sent upon loan approval.

Precondition: Loan request approved by all departments and relationship manager.

Steps:

1. Submit loan request
2. Approve request at each department
3. Approve request by relationship manager.
4. Verify SMS received.

Expected Result: Loan requester receives SMS with approval status.

Test Case 2: Validate SMS content for approval.

Precondition: Loan request approved by all departments and relationship manager.

Steps:

1. Submit loan request
2. Approve request at each department
3. Approve request by relationship manager.
4. Verify SMS received.

Expected Result: SMS contains correct loan approval details.

Test Case 3: Verify notification to Relation Manager on loan rejection.

Precondition: Loan request rejected by any department.

Steps:

1. Submit loan request
2. Reject request at any department.
3. Verify Relation Manager notification.

Expected Result: Relation manager receives rejection notification with reasons.

Test Case 4: Verify SMS sent on final rejection.

Precondition: Loan request rejected by Relation Manager.

Steps:

1. Submit loan request.
2. Approve at departments
3. Reject by Relation Manager
4. Verify SMS to loan requester.

Expected Result: Loan requester receives SMS with rejection reasons from Relation Manager

Test Case 5: Validate SMS content for rejection.

Precondition: Loan rejected at final stage.

Steps:

1. Submit loan request.
2. Approve at departments
3. Reject by Relation Manager
4. Verify SMS to loan requester.

Expected Result: SMS contains correct rejection reasons provided by Relation Manager.

Test Case 6: Verify SMS sent for invalid phone numbers.

Precondition: Loan rejected at final stage.

Steps:

1. Submit loan request with invalid phone number
2. Approve at departments

Expected Result: System logs error, no SMS sent.

Test Runs

Test Run1:

Test Run Name: Test Run Approval

Description : Approval Notifications Testing

Environment : QA

Test Cases :

Test Case 1: Verify SMS sent upon loan approval.

Precondition: Loan request approved by all departments and relationship manager.

Steps:

     5. Submit loan request

     6. Approve request at each department

     7. Approve request by relationship manager.

     8. Verify SMS received.

Expected Result: Loan requester receives SMS with approval status.

Status: Pending

Test Case 2: Validate SMS content for approval.

Precondition: Loan request approved by all departments and relationship manager.

Steps:

     5. Submit loan request

     6. Approve request at each department

     7. Approve request by relationship manager.

     8. Verify SMS received.

Expected Result: SMS contains correct loan approval details.

Status: Pending

Test Run 2:

Test Run Name: Test Run Rejection

Description : Rejection Notifications Testing

Environment : QA

Test Cases :

Test Case 1: Verify notification to Relation Manager on loan rejection.

Precondition: Loan request rejected by any department.

Steps:

       1.Submit loan request

       2.Reject request at any department.

       3.Verify Relation Manager notification.

Expected Result: Relation manager receives rejection notification with reasons.

Status: Pending

Test Case 2: Verify SMS sent on final rejection.

Precondition: Loan request rejected by Relation Manager.

Steps:

       1.Submit loan request.

       2.Approve at departments

       3.Reject by Relation Manager

       4.Verify SMS to loan requester.

Expected Result: Loan requester receives SMS with rejection reasons from Relation Manager

Status: Pending

Test Case 3: Validate SMS content for rejection.

Precondition: Loan rejected at final stage.

Steps:

        1.Submit loan request.

        2.Approve at departments

        3.Reject by Relation Manager

        4.Verify SMS to loan requester.

Expected Result: SMS contains correct rejection reasons provided by Relation Manager.

Status: Pending

---END---

Title: Departments Approval

Test Plan

Objectives: To ensure that the functionality for reviewing and approving loan requests by department staff members.

Scope:

- Approving loan requests by department staff member

- Viewing approved loan requests by multiple departments.

Test Types:

1.Functional Testing

2.Usability Testing

3.Security Testing

4.Risk-Based Testing (RBT)

5.Regression Testing

Environment:

- Platforms :Desktop and mobile

- Browsers: Chrome, Firefox

- Devices: Android (mobile), Windows (desktop)

Entry Criteria:

- Development of features described in the requirement

- Test cases are reviewed and approved.

Exit Criteria

- All planned test cases have been executed.

- All critical and major defects have been resolved.

- Test summary report is completed.

Test Deliverables:

- Test Plan
- Test Cases
- Bug Reports
- Test Summary Report

Risk-Based Testing (RBT)

1. **High Risk:** Incorrect loan request approval logic might allow unauthorized approvals.

2. **Medium Risk:** Approval timestamps might not align correctly, leading to confusion in tracking.

3. **Low Risk:** UI might not display the list of approving staff correctly.

Test Cases

Test Case 1: Approve Loan Request Successfully

- **Preconditions:** A loan request exists in "In Review" status for a specific department.

- **Steps:**

    1. Log in as a department representative.

    2. Navigate to the loan request details.

    3. Click the "Approve" button.

- **Expected Result:** The loan request is marked as approved for the department

Test Case 2: Approve Loan Request Without Permissions

- **Preconditions**: A user without department representative access tries to approve a request.

- **Steps:**

    1. Log in as a non-representative user.

    2. Attempt to approve the loan request.

- **Expected Result:** Approval fails with an appropriate error message.

Test Case 3: Double Approvals by the Same Representative

- **Preconditions:** A loan request has already been approved by the representative.

- **Steps:**

    1. Log in as a department representative.

    2. Navigate to the loan request details.

    3. Click the "Approve" button.

    4. Attempt to approve the same loan request again.

- **Expected Result:** The system should not allow duplicate approvals.

Test Case 4: View Approved Departments

- **Preconditions:** A loan request has been approved by multiple departments.

- **Steps:**

    1. Navigate to the loan request details.

    2. View the "Approved by Departments" section.

- **Expected Result:** List all approving departments with staff members and timestamps.

Test Case 5: View Approval when no department has approved

- **Preconditions:** No department has approved a specific loan request.

- **Steps:**

    1. Navigate to the loan request details.

    2. View the "Approved by Departments" section.

- **Expected Result:** Section should display a message indicating no approvals yet.

Test Case 6: Validate timestamp consistency

- **Preconditions:** Approvals have been made by various departments.

- **Steps:**

    1. Navigate to the loan request details.

    2. View the "Approved by Departments" section.

    3. Compare the displayed timestamps against the actual server logs.

- **Expected Result:** All timestamps match and are displayed in the correct format.

Test Run

Test Run1:

Test Run Name: Loan Request Approval

Description : To validate the functionality and behavior of the loan request approval department

Environment : QA

Test Cases :

Test Case 1: Approve Loan Request Successfully

- **Preconditions:** A loan request exists in "In Review" status for a specific department.

- **Steps:**

    1. Log in as a department representative.

    2. Navigate to the loan request details.

    3. Click the "Approve" button.

- **Expected Result:** The loan request is marked as approved for the department

- **Status :** Pending

Test Case 2: Approve Loan Request Without Permissions

- **Preconditions**: A user without department representative access tries to approve a request.

- **Steps:**

    1. Log in as a non-representative user.

    2. Attempt to approve the loan request.

- **Expected Result:** Approval fails with an appropriate error message.

- **Status :** Pending

Test Case 3: Double Approvals by the Same Representative

- **Preconditions:** A loan request has already been approved by the representative.

- **Steps:**

    1. Log in as a department representative.

    2. Navigate to the loan request details.

    3. Click the "Approve" button.

    4. Attempt to approve the same loan request again.

- **Expected Result:** The system should not allow duplicate approvals.

- **Status :** Pending

Test Case 4: View Approved Departments

- **Preconditions:** A loan request has been approved by multiple departments.

- **Steps:**

    1. Navigate to the loan request details.

    2. View the "Approved by Departments" section.

- **Expected Result:** List all approving departments with staff members and timestamps.

- **Status :** Pending

Test Case 5: View Approval when no department has approved

- **Preconditions:** No department has approved a specific loan request.

- **Steps:**

    1. Navigate to the loan request details.

    2. View the "Approved by Departments" section.

- **Expected Result:** Section should display a message indicating no approvals yet.

- **Status :** Pending

Test Case 6: Validate timestamp consistency

- **Preconditions:** Approvals have been made by various departments.

- **Steps:**

    1. Navigate to the loan request details.

    2. View the "Approved by Departments" section.

    3. Compare the displayed timestamps against the actual server logs.

- **Expected Result:** All timestamps match and are displayed in the correct format.

- **Status :** Pending

--**END**---

Title: Corporate investor - Commercial Registration Verification Via [X]

Test Plan

Objectives: To ensure the system accurately integrates with third-party service [X] to verify commercial registration numbers for corporate investors and validates the necessary information about corporate clients who want to invest in our system.

Scope:

- **Integration with third-party service [X].**

- Handling of valid and invalid commercial registration numbers.
- Validation of company start date and appropriate notifications.

Test Types:

1. Functional Testing
2. Usability Testing
3. Risk-Based Testing (RBT)
4. Regression Testing

Environment:

- Platforms :Desktop and mobile

- Browsers: Chrome, Firefox

- Devices: Android (mobile), Windows (desktop)

Entry Criteria:

- Development of features described in the requirement

- Test cases are reviewed and approved.

Exit Criteria

- All planned test cases have been executed.

- All critical and major defects have been resolved.

- Test summary report is completed.

Test Deliverables:

- Test Plan

- Test Cases

- Bug Reports

- Test Summary Report

Risk-Based Testing (RBT)

1. **High Risk:**

   - Failure to communicate with [X] could disrupt the verification process

   - Miscommunication can result in user dissatisfaction or errors.

2. **Medium Risk:** Incorrect format detection could lead to errors in verification.

3. **Low Risk:** UI/UX related to displaying validation errors and notifications.

Test Cases

Test Case 1: Verify successful validation with valid commercial registration number.

- **Steps:**

  1. Enter a valid commercial registration number.

  2. System sends commercial registration number to [X].

  3. System receives confirmation from [X].

  4. Proceed to the validation process.

- **Expected Result:** User proceeds to the next step without errors.

Test Case 2: Valid Commercial number but slow response from [X].

- **Steps:**
    1. Enter valid commercial registration number.
    2. Simulate delayed response from [X].
- **Expected Result:** System displays a waiting message and proceeds upon response.

Test Case 3: Verify handling of invalid commercial registration number.

- **Steps:**
    1. Enter an invalid commercial registration number.
    2. System sends number to [X].
- **Expected Result:** System prompts user to enter a valid number and restarts verification process with third party (X) with the new number

Test Case 4: Company start date is less than two years.

- **Steps:**
    1. Enter valid commercial registration number.
    2. System retrieves data from [X].
    3. Validate company start date.
    4. Date is less than two years.
- **Expected Result:** Notify user they cannot proceed.

Test Case 5: Company start date is more than two years.

- **Steps:**
    1. Enter valid commercial registration number.
    2. System retrieves data from [X].
    3. Validate company start date.

4. Date is more than two years.

- **Expected Result:** Proceed to the next step.

Test Case 6: Start date is exactly two years.

- **Steps:**

    1. Enter valid commercial registration number.

    2. System retrieves data from [X].

    3. Validate company start date.

    4. Date is exactly two years.

- **Expected Result:** Notify user they cannot proceed.

Test Run

Test Run Name: Commercial Registration Validation

Description : This test run aims to validate the functionality of the commercial registration number validation process within the system

Environment : QA

Test Cases :

Test Case 1: Verify successful validation with valid commercial registration number.

- **Steps:**

    1. Enter a valid commercial registration number.

    2. System sends commercial registration number to [X].

    3. System receives confirmation from [X].

    4. Proceed to the validation process.

- **Expected Result:** User proceeds to the next step without errors.

- **Status :** Pending

Test Case 2: Valid Commercial number but slow response from [X].

- **Steps:**

    1. Enter valid commercial registration number.

    2. Simulate delayed response from [X].

- **Expected Result:** System displays a waiting message and proceeds upon response.

- **Status :** Pending

Test Case 3: Verify handling of invalid commercial registration number.

- **Steps:**

    1. Enter an invalid commercial registration number.

    2. System sends number to [X].

- **Expected Result:** System prompts user to enter a valid number and restarts verification process with third party (X) with the new number.

- **Status :** Pending

Test Case 4: Company start date is less than two years.

- **Steps:**

    1. Enter valid commercial registration number.

    2. System retrieves data from [X].

    3. Validate company start date.

    4. Date is less than two years.

- **Expected Result:** Notify user they cannot proceed.

- **Status :** Pending

Test Case 5:   Company start date is more than two years.

- **Steps:**

    1. Enter valid commercial registration number.

2. System retrieves data from [X].

3. Validate company start date.

4. Date is more than two years.

- **Expected Result:** Proceed to the next step.

- **Status :** Pending

Test Case 6: Start date is exactly two years.

- **Steps:**

    1. Enter valid commercial registration number.

    2. System retrieves data from [X].

    3. Validate company start date.

    4. Date is exactly two years.

- **Expeced Result:** Notify user they cannot proceed.

- **Status :** Pending

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