

Test Cases Report - 65 Test Cases (Separated Steps & Data)

Total Test Cases	65
Categories	Error Handling, Security, Performance, Boundary, Usability, Integration, Functional
Priority Levels	Critical, High, Low, Medium
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Test Case 1: Successful File Upload for Beneficiary Document

Test ID	TC_011
Module	Corporate Module > Beneficiary Management
Category	Functional
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Test that a user can successfully upload a valid beneficiary document during onboarding.
Objective	Validate correct file upload and processing for beneficiary addition.
Preconditions	User is logged in with appropriate permissions; Onboarding process is initiated
Expected Result	Document is uploaded successfully, validated, and attached to beneficiary profile. Success message

Test Steps (Actions Only):

Step Number	1
Action	Navigate to beneficiary addition screen
Step Number	2
Action	Click on upload document button
Step Number	3
Action	Select document file from local system
Step Number	4
Action	Submit the upload
Step Number	5

Action	Wait for upload confirmation
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Test Data (Values Only):

file_name	beneficiary_id.pdf
file_type	application/pdf
file_size	1.2MB
user_role	Corporate Admin
browser	Chrome

Validation Criteria	File is accepted and stored; Document is visible in beneficiary profile; No errors during upload
Dependencies	Beneficiary addition workflow enabled
Notes	Test with a valid file type and size within limits.

Test Case 2: Reject Oversized File Upload

Test ID	TC_012
Module	Corporate Module > Beneficiary Management
Category	Boundary
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes
Description	Test that the system rejects files exceeding the maximum allowed size during document upload.
Objective	Ensure file size validation is enforced.
Preconditions	User is logged in with upload permissions; Beneficiary addition screen is accessible
Expected Result	System displays an error message indicating file size exceeds limit and upload is rejected.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to document upload section
Step Number	2
Action	Click on upload document button
Step Number	3
Action	Select an oversized file from local system
Step Number	4

Action	Attempt to submit the upload
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Test Data (Values Only):

file_name	large_contract.pdf
file_type	application/pdf
file_size	11MB
max_allowed_size	10MB
user_role	Corporate Admin

Validation Criteria	Upload is prevented; Clear error message is shown; No file is stored
Dependencies	File size validation implemented
Notes	Test with file just above the maximum allowed size.

Test Case 3: API Integration for Entitlement Assignment

Test ID	TC_013
Module	Corporate Module > Product Entitlement
Category	Integration
Priority	Critical
Test Type	Positive
Risk Level	Critical
Estimated Time	7 minutes
Description	Test API integration for assigning governmental payment entitlements to a customer during onboarding
Objective	Validate correct API data exchange and entitlement assignment.
Preconditions	API endpoint is available; Customer onboarding process is active
Expected Result	API returns success, entitlements are assigned, and changes are reflected in the UI.

Test Steps (Actions Only):

Step Number	1
Action	Prepare entitlement assignment API request
Step Number	2
Action	Send API request to assign entitlement
Step Number	3
Action	Receive API response
Step Number	4

Action	Verify entitlement assignment in UI
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Test Data (Values Only):

api_endpoint	/api/v1/entitlements/assign
customer_id	CUST123456
entitlement_type	Governmental Payments
sub_products	Taxes, Customs
auth_token	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9

Validation Criteria	API response status is 200; Entitlements visible in customer profile; Audit log entry created
Dependencies	API and UI integration operational
Notes	Validate both API and UI for consistency.

Test Case 4: Unauthorized API Access Attempt

Test ID	TC_014
Module	Corporate Module > Product Entitlement
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	4 minutes
Description	Test system response to an API call for entitlement assignment with invalid or missing authentication
Objective	Ensure security validation and access control for API endpoints.
Preconditions	API endpoint is available
Expected Result	API returns 401 Unauthorized error, no entitlement changes are made.

Test Steps (Actions Only):

Step Number	1
Action	Prepare entitlement assignment API request without valid auth token
Step Number	2
Action	Send API request to assign entitlement
Step Number	3
Action	Observe API response

Test Data (Values Only):

api_endpoint	/api/v1/entitlements/assign
customer_id	CUST654321
entitlement_type	Governmental Payments
sub_products	Bills
auth_token	

Validation Criteria	API response status is 401; No changes in entitlement assignments; Security logs updated
Dependencies	API authentication enforced
Notes	Test with both missing and invalid tokens.

Test Case 5: Validate SWIFT Character Set in Free-Format Field

Test ID	TC_015
Module	Corporate Module > Customer Onboarding
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	3 minutes
Description	Test that only SWIFT-compliant characters are accepted in free-format fields during onboarding.
Objective	Ensure compliance with SWIFT character set requirements.
Preconditions	User is logged in; Onboarding form is open
Expected Result	Form is accepted, data is saved, and no validation errors are shown for SWIFT-compliant input.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to onboarding form

Step Number	2
Action	Locate free-format input field

Step Number	3
Action	Enter data into free-format field

Step Number	4
Action	Submit the form

Test Data (Values Only):

free_format_field	SWIFT-1234/ABCD:.,'-?
user_role	Corporate User

Validation Criteria	No error message for valid input; Data is saved as entered
Dependencies	SWIFT validation implemented
Notes	Test with a variety of allowed SWIFT characters.

Test Case 6: Reject Non-SWIFT Characters in Free-Format Field

Test ID	TC_016
Module	Corporate Module > Customer Onboarding
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Test that the system rejects non-SWIFT characters in free-format fields.
Objective	Validate error handling for invalid character input.
Preconditions	User is logged in; Onboarding form is open
Expected Result	System displays validation error and prevents form submission for non-SWIFT characters.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to onboarding form
Step Number	2
Action	Locate free-format input field
Step Number	3
Action	Enter data with non-SWIFT characters
Step Number	4
Action	Submit the form

Test Data (Values Only):

free_format_field	Invalid! @#€
user_role	Corporate User

Validation Criteria	Error message is shown for invalid input; Form submission is blocked
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Dependencies	SWIFT validation implemented
Notes	Include at least one non-SWIFT character in the input.

Test Case 7: Performance of Document Upload Under Load

Test ID	TC_017
Module	Corporate Module > Beneficiary Management
Category	Performance
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	15 minutes
Description	Test the system's document upload performance when multiple users upload documents simultaneously.
Objective	Assess upload speed and system stability under concurrent load.
Preconditions	System is online; Multiple test users are available
Expected Result	All uploads complete within acceptable time (e.g., <10 seconds), no errors or system crashes occur.

Test Steps (Actions Only):

Step Number	1
Action	Initiate concurrent document uploads from multiple user sessions
Step Number	2
Action	Monitor upload progress for each session
Step Number	3
Action	Record upload completion times
Step Number	4
Action	Check for errors or timeouts

Test Data (Values Only):

number_of_users	50
file_name	beneficiary_id.pdf
file_type	application/pdf
file_size	1MB
network_bandwidth	100Mbps

Validation Criteria	Upload time per user is within threshold; No failed uploads; System remains responsive
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Dependencies	Load testing tools configured
Notes	Test at peak expected user load.

Test Case 8: Entitlement Option Conditional Display Based on Country

Test ID	TC_018
Module	Corporate Module > Product Entitlement
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	6 minutes
Description	Test that Egypt-specific entitlement options are displayed and configurable for Egyptian customers.
Objective	Validate localization and conditional UI logic.
Preconditions	Admin user is logged in; Customer profile is set to Egypt
Expected Result	Egypt-specific entitlement options are visible, configurable, and saved successfully.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to customer profile
Step Number	2
Action	Open product entitlement configuration
Step Number	3
Action	Review available entitlement options
Step Number	4
Action	Attempt to configure Egypt-specific options
Step Number	5
Action	Save configuration

Test Data (Values Only):

customer_country	Egypt
entitlement_options	Adhoc Bill, Next Authorizer, Verifier Intervention
Validation Criteria	Conditional options appear for Egypt; Options are editable and saved

Dependencies	Localization logic implemented
Notes	Verify conditional display for at least one non-Egyptian profile as negative control.

Test Case 9: Audit Logging for Entitlement Changes

Test ID	TC_019
Module	Corporate Module > Product Entitlement
Category	Security
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Test that all entitlement changes are logged with user, timestamp, and change details.
Objective	Ensure audit trail is maintained for compliance.
Preconditions	Admin user is logged in; Audit logging is enabled
Expected Result	Audit log contains entry with admin user, timestamp, customer ID, and details of entitlement changes

Test Steps (Actions Only):

Step Number	1
Action	Navigate to entitlement management screen
Step Number	2
Action	Modify entitlement settings for a customer
Step Number	3
Action	Save the changes
Step Number	4
Action	Access audit log viewer
Step Number	5
Action	Search for recent entitlement change entry

Test Data (Values Only):

customer_id	CUST789012
entitlement_changes	{"add": ["Universal Collections"], "remove": ["Customs"]}
admin_user	admin.eg

Validation Criteria	Audit entry includes all required details; Timestamp matches change time; No missing or incorrect log information
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Dependencies	Audit logging enabled
Notes	Check audit log retention and search functionality.

Test Case 10: Usability of Entitlement Configuration UI

Test ID	TC_020
Module	Corporate Module > Product Entitlement
Category	Usability
Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	6 minutes
Description	Test the usability of the entitlement configuration screen for adding and removing multiple sub-products
Objective	Assess clarity, ease of use, and error prevention in the UI.
Preconditions	Admin user is logged in
Expected Result	UI allows easy selection/deselection, provides clear summary, and prevents accidental changes. Cha

Test Steps (Actions Only):

Step Number	1
Action	Navigate to product entitlement configuration screen
Step Number	2
Action	Select multiple sub-products for entitlement
Step Number	3
Action	Deselect one or more sub-products
Step Number	4
Action	Review summary of selected entitlements
Step Number	5
Action	Save changes

Test Data (Values Only):

sub_products_to_add	Taxes, Bills
sub_products_to_remove	Customs
admin_user	admin.eg

Validation Criteria	UI elements are intuitive; Summary reflects selections; No accidental changes occur
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Dependencies	UI is accessible and functional
Notes	Gather user feedback on UI clarity and workflow.

Test Case 11: Auto-Rejection of Pending Transactions After 45 Days

Test ID	TC_021
Module	Workflow Handling > Transaction Lifecycle
Category	Functional
Priority	Critical
Test Type	Negative
Risk Level	High
Estimated Time	60 minutes
Description	Ensure the system automatically rejects transactions that remain in pending status for more than 45 days.
Objective	Validate workflow enforcement and error handling for overdue transactions.
Preconditions	User has permission to initiate governmental payment transactions; A transaction is created and left pending.
Expected Result	Transaction is automatically rejected by the system after 45 days, status is updated to 'Rejected', and a notification is sent to the user.

Test Steps (Actions Only):

Step Number	1
Action	Login to the system as a business user
Step Number	2
Action	Navigate to the Governmental Payments module
Step Number	3
Action	Initiate a new payment transaction
Step Number	4
Action	Save the transaction without submitting for approval
Step Number	5
Action	Simulate the passage of 45 days
Step Number	6
Action	Check the transaction status

Test Data (Values Only):

user_role	business_user
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payment_type	Taxes
transaction_status	Pending
simulation_days	45

Validation Criteria	Transaction status changes to 'Rejected'; Audit log records the rejection event; No manual intervention required
Dependencies	Transaction creation functionality; Scheduled task for auto-rejection
Notes	Simulate time passage using system utilities or database manipulation if needed.

Test Case 12: Field Validation for SWIFT-Compliant Free-Format Fields

Test ID	TC_022
Module	Data Entry > Field Validation
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	5 minutes
Description	Test that free-format fields only accept SWIFT-compliant characters and reject invalid input.
Objective	Ensure data validation and security compliance for critical fields.
Preconditions	User is on the entitlement configuration screen; SWIFT-compliant free-format field is visible
Expected Result	System displays a validation error, prevents saving, and highlights the field with invalid input.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement configuration screen
Step Number	2
Action	Locate the free-format field
Step Number	3
Action	Enter invalid characters into the field
Step Number	4
Action	Attempt to save the configuration

Test Data (Values Only):

field_name	Beneficiary Reference
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input_value	Test@#€■■■
expected_charset	SWIFT

Validation Criteria	Invalid input is not accepted; Clear error message is shown; Field is visually highlighted
Dependencies	Field validation rules implemented
Notes	Include edge cases for non-ASCII and special symbols.

Test Case 13: Performance Under Bulk Entitlement Assignment

Test ID	TC_023
Module	Entitlement Management > Bulk Operations
Category	Performance
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	10 minutes
Description	Evaluate system performance and stability when assigning entitlements to a large number of users s
Objective	Validate scalability and response time under heavy load.
Preconditions	Admin user has access to bulk entitlement assignment feature; A large user dataset is available
Expected Result	All selected users receive entitlements within acceptable response time (<2 minutes), system remain

Test Steps (Actions Only):

Step Number	1
Action	Login as admin user

Step Number	2
Action	Navigate to the bulk entitlement assignment screen

Step Number	3
Action	Select multiple users for entitlement assignment

Step Number	4
Action	Choose entitlement options to assign

Step Number	5
Action	Submit the bulk assignment

Step Number	6
Action	Monitor system response and completion time

Test Data (Values Only):

user_count	1000
entitlement_type	Governmental Payments - Taxes, Customs, Bills
assignment_method	Bulk

Validation Criteria	All users processed successfully; Response time within SLA; No system crashes or slowdowns
Dependencies	Bulk assignment feature enabled; Large user dataset
Notes	Monitor server CPU/memory usage during the test.

Test Case 14: Database Integrity After Entitlement Update

Test ID	TC_024
Module	Database Operations > Entitlement Data
Category	Integration
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	15 minutes
Description	Ensure that updating a user's entitlements correctly updates all related database records and maintains data integrity.
Objective	Validate data integrity and consistency post-update.
Preconditions	User exists with initial entitlements; Database access for verification is available.
Expected Result	Database reflects the updated entitlements, all foreign key constraints are maintained, and no orphan records are present.

Test Steps (Actions Only):

Step Number	1
Action	Login as admin user
Step Number	2
Action	Navigate to the user entitlement management screen
Step Number	3
Action	Select an existing user
Step Number	4
Action	Modify the user's entitlements
Step Number	5
Action	Save the changes
Step Number	6

Action	Query the database for the user's entitlement records
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Test Data (Values Only):

user_id	U123456
original_entitlements	Taxes
updated_entitlements	Taxes, Customs

Validation Criteria	Updated entitlements present in DB; No referential integrity violations; Audit trail updated
Dependencies	Database access; Entitlement update functionality
Notes	Check for data anomalies or constraint violations.

Test Case 15: Error Handling for Mandatory Field Omission

Test ID	TC_025
Module	Customer Onboarding > Entitlement Assignment
Category	Functional
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	5 minutes
Description	Test system response when user omits mandatory fields during entitlement configuration in onboarding
Objective	Validate error handling and user feedback for incomplete data entry.
Preconditions	User is on the entitlement configuration step of onboarding
Expected Result	System prevents saving, displays clear error messages indicating missing mandatory fields, and high

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the customer onboarding screen

Step Number	2
Action	Proceed to the entitlement configuration section

Step Number	3
Action	Leave one or more mandatory fields empty

Step Number	4
Action	Attempt to save the configuration

Test Data (Values Only):

fields_left_empty	Entitlement Type
other_fields	{"Customer Name": "ABC Corp", "Country": "Egypt"}

Validation Criteria	Save action is blocked; Error messages are specific; Mandatory fields are highlighted
Dependencies	Mandatory field validation logic
Notes	Test with different combinations of omitted mandatory fields.

Test Case 16: Boundary Test for Numeric Field Length

Test ID	TC_026
Module	Data Entry > Field Validation
Category	Boundary
Priority	Medium
Test Type	Boundary
Risk Level	Low
Estimated Time	5 minutes
Description	Verify system accepts input up to the maximum allowed length for numeric fields and rejects excess
Objective	Ensure boundary validation for fixed-length numeric fields.
Preconditions	User is on a screen with a fixed-length numeric field
Expected Result	System accepts input up to 10 digits, rejects the 11th digit, and form saves successfully with valid inp

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the relevant data entry screen

Step Number	2
Action	Locate the fixed-length numeric field

Step Number	3
Action	Enter the maximum allowed number of digits

Step Number	4
Action	Attempt to enter an extra digit

Step Number	5
Action	Save the form

Test Data (Values Only):

field_name	Tax Identification Number
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max_length	10
valid_input	1234567890
invalid_input	12345678901

Validation Criteria	Valid input is accepted; Excess input is blocked; No data truncation occurs
Dependencies	Field length validation
Notes	Repeat for other fixed-length numeric fields as needed.

Test Case 17: Conditional Display of Entitlement Options Based on Country

Test ID	TC_027
Module	Entitlement Management > Localization
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	3 minutes
Description	Check that entitlement options specific to Egypt are displayed only when the country is set to Egypt.
Objective	Validate localization and conditional UI logic.
Preconditions	User is on the entitlement configuration screen
Expected Result	Entitlement options specific to Egypt are displayed; options not relevant to Egypt are hidden.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement configuration screen

Step Number	2
Action	Select country from the dropdown

Step Number	3
Action	Observe the available entitlement options

Test Data (Values Only):

country	Egypt
expected_options	Add Beneficiary, Adhoc Bill, Next Authorizer

Validation Criteria	Correct options are shown for Egypt; Irrelevant options are hidden
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Dependencies	Country-specific entitlement logic
Notes	Repeat for other countries to ensure correct conditional logic.

Test Case 18: Unauthorized Access to Admin Entitlement Management

Test ID	TC_028
Module	Security > Access Control
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	2 minutes
Description	Ensure that non-admin users cannot access or modify admin-only entitlement management screens.
Objective	Validate access control and security enforcement.
Preconditions	Non-admin user account exists
Expected Result	Access is denied, user receives an authorization error, and no admin functions are visible.

Test Steps (Actions Only):

Step Number	1
Action	Login as a non-admin user
Step Number	2
Action	Attempt to navigate to the admin entitlement management screen

Test Data (Values Only):

user_role	business_user
restricted_screen	Admin Entitlement Management

Validation Criteria	Access is blocked for non-admins; No admin UI elements are visible
Dependencies	Role-based access control implemented
Notes	Attempt direct URL access as well as navigation via UI.

Test Case 19: Usability: Tooltip Display for Complex Entitlement Options

Test ID	TC_029
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Module	UI/UX > Help & Guidance
Category	Usability
Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	2 minutes
Description	Verify that tooltips or help text are available for complex entitlement options to assist users.
Objective	Enhance usability and reduce user confusion.
Preconditions	User is on the entitlement configuration screen
Expected Result	Tooltip or help text is displayed for each complex option, providing clear explanations.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement configuration screen
Step Number	2
Action	Hover over complex entitlement options

Test Data (Values Only):

complex_options	Next Authorizer, Verifier Intervention
Validation Criteria	Tooltip appears on hover; Tooltip content is accurate and helpful
Dependencies	Tooltip/help text implemented
Notes	Check for accessibility compliance of tooltips.

Test Case 20: Error Handling for Duplicate Beneficiary Addition

Test ID	TC_030
Module	Beneficiary Management > Add Beneficiary
Category	Error Handling
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	4 minutes
Description	Test system response when a user tries to add a beneficiary that already exists in the system.
Objective	Ensure error handling and data integrity for beneficiary records.
Preconditions	At least one beneficiary with specific details already exists

Expected Result	System displays an error indicating the beneficiary already exists, and prevents duplicate entry.
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Test Steps (Actions Only):

Step Number	1
Action	Navigate to the beneficiary management screen
Step Number	2
Action	Click to add a new beneficiary
Step Number	3
Action	Enter details matching an existing beneficiary
Step Number	4
Action	Attempt to save the new beneficiary

Test Data (Values Only):

beneficiary_name	Global Supplies LLC
account_number	1234567890
bank_code	EG123
Validation Criteria	Duplicate is not saved; Clear error message is shown
Dependencies	Duplicate check logic in beneficiary management
Notes	Test with variations in case and whitespace for beneficiary details.

Test Case 21: Configure Governmental Payment Entitlements During Customer Onboarding

Test ID	TC_031
Module	Corporate Module > Onboarding - Product Entitlement
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	Critical
Estimated Time	8 minutes
Description	Verify that an admin can assign and configure entitlements for all governmental payment sub-products
Objective	Ensure correct entitlement assignment and UI display for governmental payment sub-products.
Preconditions	Admin user is logged into the admin portal; Customer onboarding process has been initiated
Expected Result	All selected governmental payment sub-products are correctly assigned to the customer with appropriate

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the customer onboarding section
Step Number	2
Action	Select the customer to onboard
Step Number	3
Action	Access the product entitlement configuration screen
Step Number	4
Action	Select governmental payment products for entitlement
Step Number	5
Action	Configure sub-product entitlements
Step Number	6
Action	Save and confirm the entitlement configuration

Test Data (Values Only):

customer_id	CUST1001
products	Governmental Payments
sub_products	Taxes, Customs, Bills
entitlement_flags	{"Taxes": true, "Customs": true, "Bills": true}
Validation Criteria	Entitlements are saved and visible in customer profile; UI displays correct entitlement state
Dependencies	Customer onboarding module; Entitlement configuration UI
Notes	Covers initial entitlement assignment during onboarding.

Test Case 22: Auto-Rejection of Incomplete Transactions After 45 Days

Test ID	TC_032
Module	Corporate Module > Workflow Automation
Category	Functional
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	3 minutes (excluding wait time)
Description	Check that transactions not approved or released within 45 days are automatically rejected by the sy

Objective	Ensure workflow automation enforces the 45-day completion rule.
Preconditions	User has initiated a governmental payment transaction; Transaction is pending approval
Expected Result	Transaction is automatically rejected by the system after 45 days, and the status is updated to 'Rejected'

Test Steps (Actions Only):

Step Number	1
Action	Initiate a governmental payment transaction

Step Number	2
Action	Leave the transaction in pending state

Step Number	3
Action	Wait for 45 days to elapse

Step Number	4
Action	Check the transaction status

Test Data (Values Only):

transaction_id	TXN90045
initiation_date	2024-01-01
current_date	2024-02-15

Validation Criteria	Transaction status changes to 'Rejected'; User receives notification
Dependencies	Workflow engine; Transaction management module
Notes	Simulate time passage for test execution.

Test Case 23: SWIFT Character Compliance in Free-Format Fields

Test ID	TC_033
Module	Corporate Module > UI Field Validation
Category	Security
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Ensure that only SWIFT-compliant characters are accepted in free-format fields during entitlement configuration.
Objective	Prevent entry of invalid characters in compliance-sensitive fields.
Preconditions	Admin user is on the entitlement configuration screen

Expected Result	System rejects input containing non-SWIFT characters and displays a validation error message, preventing further input.
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Test Steps (Actions Only):

Step Number	1
Action	Locate a free-format input field

Step Number	2
Action	Enter text into the field

Step Number	3
Action	Attempt to save the configuration

Test Data (Values Only):

field_name	Entitlement Description
input_text	GovtPayment@2024#

Validation Criteria	Invalid characters are not accepted; Clear error message is shown
Dependencies	Field validation logic
Notes	Test with a variety of invalid characters.

Test Case 24: Conditional Display of Entitlement Options Based on Country

Test ID	TC_034
Module	Corporate Module > UI/UX Localization
Category	Functional
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	3 minutes
Description	Check that entitlement options are displayed or hidden based on the selected country during onboarding.
Objective	Ensure localization logic correctly controls UI elements.
Preconditions	Admin user is configuring entitlements for a new customer
Expected Result	Entitlement options specific to Egypt are displayed, while non-applicable options are hidden or disabled.

Test Steps (Actions Only):

Step Number	1
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Action	Navigate to product entitlement configuration
Step Number	2
Action	Select a country
Step Number	3
Action	Observe available entitlement options

Test Data (Values Only):

country	Egypt
Validation Criteria	UI reflects country-specific entitlement logic; No irrelevant options are visible
Dependencies	Localization configuration; Entitlement UI
Notes	Repeat for other countries to verify negative cases.

Test Case 25: Boundary Test for Numeric Field Length in Entitlement Configuration

Test ID	TC_035
Module	Corporate Module > UI Field Validation
Category	Boundary
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Verify that numeric fields enforce maximum length constraints as per specification.
Objective	Prevent data entry errors due to field overflow.
Preconditions	Admin user is on the entitlement configuration screen
Expected Result	System prevents saving and displays a validation error indicating the maximum length has been exceeded.

Test Steps (Actions Only):

Step Number	1
Action	Locate a numeric input field
Step Number	2
Action	Enter a numeric value exceeding the allowed length
Step Number	3
Action	Attempt to save the configuration

Test Data (Values Only):

field_name	Entitlement Limit
input_value	12345678901234567890
Validation Criteria	Input is rejected if length exceeds specification; Error message is clear and accurate
Dependencies	Field length validation
Notes	Test minimum and exact maximum as well.

Test Case 26: Add Beneficiary from Customer Portal (Egypt Localization)

Test ID	TC_036
Module	Corporate Module > Customer Portal - Beneficiary Management
Category	Functional
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	4 minutes
Description	Verify that a customer in Egypt can add a beneficiary as per local requirements.
Objective	Ensure beneficiary management complies with local business rules.
Preconditions	Customer user is logged into the customer portal; Customer country is set to Egypt
Expected Result	Beneficiary is successfully added and visible in the beneficiary list, with all details saved as per Egypt

Test Steps (Actions Only):

Step Number	1
Action	Navigate to beneficiary management section
Step Number	2
Action	Click add new beneficiary
Step Number	3
Action	Enter beneficiary details
Step Number	4
Action	Save the beneficiary

Test Data (Values Only):

beneficiary_name	Ahmed Mostafa
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beneficiary_account	EG12345678901234567890
beneficiary_bank	National Bank of Egypt

Validation Criteria	Beneficiary is added and displayed; All required fields are present
Dependencies	Customer portal; Localization logic
Notes	Test negative scenario with missing mandatory fields.

Test Case 27: Performance Test: Entitlement Save Response Time

Test ID	TC_037
Module	Corporate Module > Entitlement Configuration
Category	Performance
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	3 minutes
Description	Ensure that saving entitlement configuration does not exceed acceptable response time under normal conditions.
Objective	Validate system performance for entitlement save operations.
Preconditions	Admin user is logged in; Entitlement configuration screen is open
Expected Result	Entitlement configuration is saved successfully within 2 seconds, and confirmation message is displayed.

Test Steps (Actions Only):

Step Number	1
Action	Configure entitlement options

Step Number	2
Action	Click save

Step Number	3
Action	Measure the time taken for the save operation to complete

Test Data (Values Only):

entitlement_options	{"Taxes": true, "Customs": false, "Bills": true}
expected_max_response_time	2 seconds

Validation Criteria	Save operation completes within defined response time; No errors occur
Dependencies	Entitlement backend service

Notes	Repeat under higher load for stress testing.
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Test Case 28: Error Handling: Attempt to Save Entitlement Without Mandatory Fields

Test ID	TC_038
Module	Corporate Module > Entitlement Configuration
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	2 minutes
Description	Check system behavior when mandatory fields are left blank during entitlement configuration.
Objective	Ensure robust error handling and user guidance.
Preconditions	Admin user is on the entitlement configuration screen
Expected Result	System prevents saving, highlights missing mandatory fields, and displays a clear error message.

Test Steps (Actions Only):

Step Number	1
Action	Leave one or more mandatory fields blank

Step Number	2
Action	Attempt to save the configuration

Test Data (Values Only):

fields_left_blank	Entitlement Limit
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Validation Criteria	Mandatory fields are enforced; Error messages are user-friendly
Dependencies	Field validation logic
Notes	Test with multiple missing fields.

Test Case 29: Usability: Tooltip Display for Complex Entitlement Options

Test ID	TC_039
Module	Corporate Module > UI/UX - Entitlement Options
Category	Usability

Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	1 minute
Description	Ensure that tooltips or help text are available and informative for complex entitlement options in the UI
Objective	Improve user understanding of complex configuration options.
Preconditions	Admin user is on the entitlement configuration screen
Expected Result	Tooltip or help text is displayed with clear explanation of the 'Next Authorizer' option.

Test Steps (Actions Only):

Step Number	1
Action	Hover over a complex entitlement option
Step Number	2
Action	Observe the displayed tooltip or help text

Test Data (Values Only):

option_name	Next Authorizer
Validation Criteria	Tooltip appears on hover; Content is clear and relevant
Dependencies	UI tooltip/help text implementation
Notes	Repeat for other complex options.

Test Case 30: Integration: Add New Governmental Payment Type via Admin Portal

Test ID	TC_040
Module	Corporate Module > Admin Portal - Product Management
Category	Integration
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	6 minutes
Description	Test the ability of the admin portal to add a new governmental payment type and ensure it is available for use.
Objective	Validate system extensibility and integration for new payment types.
Preconditions	Admin user is logged into the admin portal
Expected Result	New governmental payment type 'Environmental Fees' is added successfully and appears as an option in the system.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to product management section
Step Number	2
Action	Click add new payment type
Step Number	3
Action	Enter details for the new payment type
Step Number	4
Action	Save the new payment type
Step Number	5
Action	Navigate to entitlement configuration screen
Step Number	6
Action	Verify the new payment type is available for entitlement assignment

Test Data (Values Only):

payment_type_name	Environmental Fees
description	Fees for environmental compliance
Validation Criteria	New payment type is visible and selectable; No integration errors occur
Dependencies	Admin portal product management; Entitlement configuration
Notes	Test removal and editing of payment types as follow-up.

Test Case 31: Export Entitlement Report as CSV from Admin Portal

Test ID	TC_041
Module	Reporting > Data Export
Category	Functional
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Verify that admin users can export the Governmental Payments entitlement matrix as a CSV file from
Objective	Ensure entitlement data can be exported in CSV format for compliance and auditing.
Preconditions	Admin user is logged into the admin portal; Entitlement matrix is populated with at least one record

Expected Result	CSV file is downloaded containing all entitlement matrix data, with correct headers and data values
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Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement management section

Step Number	2
Action	Select the Governmental Payments entitlement matrix

Step Number	3
Action	Click the export button

Step Number	4
Action	Choose CSV as the export format

Step Number	5
Action	Confirm the export action

Test Data (Values Only):

user_role	admin
export_format	CSV
entitlement_type	Governmental Payments

Validation Criteria	CSV file contains all expected columns and rows; Data matches portal records; File is readable in standard spreadsheet format
Dependencies	Entitlement matrix data exists; Admin portal is accessible
Notes	Verify SWIFT character compliance in exported data fields.

Test Case 32: Export Report with Special Characters in Beneficiary Names

Test ID	TC_042
Module	Reporting > Data Export
Category	Functional
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	4 minutes
Description	Test exporting a report when beneficiary names contain SWIFT-compliant special characters.
Objective	Validate that exported files correctly handle SWIFT-compliant special characters in free-format fields.

Preconditions	At least one beneficiary with SWIFT-compliant special characters in the name exists; User has export permissions
Expected Result	Exported Excel file preserves all SWIFT-compliant special characters in beneficiary names without corruption

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the beneficiary management section
Step Number	2
Action	Select beneficiaries for export
Step Number	3
Action	Click the export button
Step Number	4
Action	Choose Excel as the export format
Step Number	5
Action	Download the exported file

Test Data (Values Only):

beneficiary_name	Omar#Ahmed\$
export_format	Excel
user_role	admin

Validation Criteria	Special characters are present and unaltered in the exported file; File opens without errors
Dependencies	Beneficiary data with special characters exists
Notes	Test with a variety of SWIFT-allowed special characters.

Test Case 33: Attempt Export Without Proper Permissions

Test ID	TC_043
Module	Reporting > Data Export
Category	Security
Priority	Critical
Test Type	Negative
Risk Level	Critical
Estimated Time	2 minutes
Description	Verify that users without export permissions cannot export entitlement or beneficiary data.
Objective	Ensure data export is restricted to authorized users only.

Preconditions	User is logged in without export permissions
Expected Result	Export option is disabled or an error message is displayed indicating insufficient permissions.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement management section
Step Number	2
Action	Attempt to select the export option

Test Data (Values Only):

user_role	standard_user
entitlement_type	Governmental Payments
Validation Criteria	Export is not possible for unauthorized users; Appropriate error or warning is shown
Dependencies	User roles and permissions are configured
Notes	Check both UI and API-level access controls.

Test Case 34: Backup Entitlement and Beneficiary Data

Test ID	TC_044
Module	Backup and Recovery > Data Backup
Category	Integration
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	10 minutes
Description	Verify that a scheduled backup operation successfully creates a backup of entitlement and beneficiary data.
Objective	Ensure data backup process completes successfully and backup file is stored securely.
Preconditions	Scheduled backup job is configured; Entitlement and beneficiary data exist
Expected Result	Backup job completes successfully, backup file is created in the specified location, and file contains a valid backup of entitlement and beneficiary data.

Test Steps (Actions Only):

Step Number	1
Action	Trigger the scheduled backup job
Step Number	2

Action	Monitor backup job progress
Step Number	3
Action	Verify backup completion status
Step Number	4
Action	Locate the backup file in the designated storage

Test Data (Values Only):

backup_type	full
schedule	daily at 2:00 AM
storage_location	/secure_backups/
Validation Criteria	Backup file exists and is accessible; Data integrity is maintained in backup
Dependencies	Backup job scheduler is operational
Notes	Check backup logs for errors or warnings.

Test Case 35: Restore Data from Backup and Verify Integrity

Test ID	TC_045
Module	Backup and Recovery > Data Restore
Category	Integration
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	15 minutes
Description	Test restoring entitlement and beneficiary data from a backup file and verify that all records are intact
Objective	Ensure data can be accurately restored from backup without loss or corruption.
Preconditions	Valid backup file exists; Test environment is ready for restore
Expected Result	Restore completes without errors, all entitlement and beneficiary records are present and match pre-

Test Steps (Actions Only):

Step Number	1
Action	Initiate data restore process
Step Number	2
Action	Select backup file for restore
Step Number	3

Action	Start the restore operation
Step Number	4
Action	Verify restore completion status
Step Number	5
Action	Review restored entitlement and beneficiary data

Test Data (Values Only):

backup_file	backup_20240630_full.zip
restore_target	test_environment
Validation Criteria	No data loss or corruption; Data matches original records
Dependencies	Backup file is valid; Restore scripts are available
Notes	Perform data comparison between backup and restored data.

Test Case 36: Attempt Restore with Corrupted Backup File

Test ID	TC_046
Module	Backup and Recovery > Data Restore
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	5 minutes
Description	Verify that the system handles restore attempts with a corrupted or incomplete backup file gracefully.
Objective	Ensure error handling and user notification for corrupted backup files.
Preconditions	Corrupted backup file is available
Expected Result	Restore process fails gracefully with a clear error message indicating file corruption; no data is overwritten.

Test Steps (Actions Only):

Step Number	1
Action	Initiate data restore process
Step Number	2
Action	Select corrupted backup file
Step Number	3
Action	Start the restore operation

Test Data (Values Only):

backup_file	corrupted_backup_20240630.zip
restore_target	test_environment
Validation Criteria	Error message is displayed; No partial or unintended data restore
Dependencies	Corrupted backup file is present
Notes	Check system logs for error details.

Test Case 37: Export Entitlement Report on Mobile Browser

Test ID	TC_047
Module	Reporting > Data Export
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	6 minutes
Description	Test the ability to export entitlement reports using a mobile browser to verify cross-platform compatibility
Objective	Ensure export functionality works correctly on mobile devices.
Preconditions	User is logged in on a supported mobile browser
Expected Result	PDF file is successfully downloaded and viewable on the mobile device, with all report data correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement management section
Step Number	2
Action	Select the report to export
Step Number	3
Action	Click the export button
Step Number	4
Action	Choose PDF as the export format
Step Number	5
Action	Download the exported file

Test Data (Values Only):

browser	Safari
device	iPhone 14
export_format	PDF

Validation Criteria	File downloads without errors; Report is readable and formatted correctly
Dependencies	Mobile browser compatibility; Export functionality enabled
Notes	Test on both iOS and Android devices.

Test Case 38: Verify Exported Report Contains Only Permitted Fields

Test ID	TC_048
Module	Reporting > Data Export
Category	Security
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Ensure that exported reports do not contain sensitive or unauthorized fields.
Objective	Validate that only permitted data fields are included in exported files.
Preconditions	User has permission to export reports
Expected Result	Exported file contains only permitted fields as per data privacy and compliance requirements; no sen

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the report export section

Step Number	2
Action	Select the entitlement report for export

Step Number	3
Action	Click the export button

Step Number	4
Action	Open the exported file

Step Number	5
Action	Review the fields present in the exported file

Test Data (Values Only):

user_role	admin
export_format	CSV
Validation Criteria	No unauthorized fields in export; Compliance with data privacy policies
Dependencies	Field-level export configuration
Notes	Review export configuration for compliance.

Test Case 39: Simultaneous Export and Backup Operations

Test ID	TC_049
Module	Reporting/Backup and Recovery > Data Export/Data Backup
Category	Performance
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	20 minutes
Description	Test system performance and data integrity when export and backup operations are executed at the
Objective	Ensure concurrent operations do not cause data corruption or performance degradation.
Preconditions	System contains large entitlement and beneficiary datasets
Expected Result	Both export and backup complete successfully, with no data loss or corruption; system performance

Test Steps (Actions Only):

Step Number	1
Action	Initiate data export operation
Step Number	2
Action	While export is running, start the backup job
Step Number	3
Action	Monitor system performance
Step Number	4
Action	Verify completion of both operations
Step Number	5
Action	Check data integrity in both exported and backup files

Test Data (Values Only):

export_format	CSV
backup_type	full
dataset_size	100,000 records

Validation Criteria	No errors or failures during concurrent operations; Data in both files is complete and accurate
Dependencies	Large dataset available; Sufficient system resources
Notes	Monitor CPU and memory usage during test.

Test Case 40: Export Report with Invalid Filter Criteria

Test ID	TC_050
Module	Reporting > Data Export
Category	Error Handling
Priority	Low
Test Type	Negative
Risk Level	Low
Estimated Time	3 minutes
Description	Verify system behavior when user attempts to export a report using invalid or unsupported filter criteria
Objective	Ensure proper error handling and user feedback for invalid export filters.
Preconditions	User is logged in with export privileges
Expected Result	System displays a clear error message indicating invalid filter criteria; export is not performed.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the report export section
Step Number	2
Action	Enter invalid filter criteria
Step Number	3
Action	Attempt to export the report

Test Data (Values Only):

filter_criteria	{"date_range": "2025-13-01 to 2025-13-31", "entitlement_type": "UnknownType"}
export_format	CSV

Validation Criteria	Error message is clear and accurate; No export file is generated
Dependencies	Filter validation logic implemented

Notes	Test with multiple types of invalid filters.
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Test Case 41: Successful User Registration with Valid Data

Test ID	TC_051
Module	User Registration > Profile Creation
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	Critical
Estimated Time	5 minutes
Description	Validates that a new user can register by providing all required information using valid data types and
Objective	Ensure successful registration and profile creation with valid data.
Preconditions	User is not already registered; Registration page is accessible
Expected Result	User account is created successfully, confirmation email is sent, and user is redirected to the welcome

Test Steps (Actions Only):

Step Number	1
Action	Navigate to registration page
Step Number	2
Action	Enter full name
Step Number	3
Action	Enter email address
Step Number	4
Action	Enter phone number
Step Number	5
Action	Select country from dropdown
Step Number	6
Action	Set password
Step Number	7
Action	Click register button

Test Data (Values Only):

full_name	Ahmed Samir
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email	ahmed.samir@company.com
phone	01234567890
country	Egypt
password	StrongPass!2024
browser	Chrome
url	https://corporate.example.com/register

Validation Criteria	Account created; Confirmation email received; Profile visible
Dependencies	Email service operational; Database available
Notes	Covers standard registration flow.

Test Case 42: Registration Fails with Invalid Email Format

Test ID	TC_052
Module	User Registration > Form Validation
Category	Functional
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Checks that the system rejects registration attempts when the email format is invalid.
Objective	Ensure email format validation is enforced.
Preconditions	Registration page is accessible
Expected Result	Registration fails, and an error message is displayed indicating invalid email format. User remains on the registration page.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to registration page
Step Number	2
Action	Enter full name
Step Number	3
Action	Enter email address
Step Number	4
Action	Enter phone number
Step Number	5

Action	Select country from dropdown
Step Number	6
Action	Set password
Step Number	7
Action	Click register button

Test Data (Values Only):

full_name	Sara Helmy
email	sara.helmy[at]company.com
phone	01234567891
country	Egypt
password	SafePass2024
browser	Firefox
url	https://corporate.example.com/register

Validation Criteria	Error message shown; No account created
Dependencies	Frontend validation scripts loaded
Notes	Tests client-side and server-side email validation.

Test Case 43: Session Timeout After Inactivity

Test ID	TC_053
Module	Authentication > Session Handling
Category	Security
Priority	Critical
Test Type	Positive
Risk Level	Critical
Estimated Time	35 minutes
Description	Ensures that the user session expires after the configured inactivity period and requires re-authentication.
Objective	Validate session timeout and security enforcement.
Preconditions	User is registered; User is logged in
Expected Result	Session expires after 30 minutes of inactivity. User is redirected to login page and must re-authenticate.

Test Steps (Actions Only):

Step Number	1
Action	Login with valid credentials

Step Number	2
Action	Remain inactive on dashboard

Step Number	3
Action	Attempt to perform any action after timeout period

Test Data (Values Only):

username	ahmed.samir@company.com
password	StrongPass!2024
timeout_duration	30 minutes
browser	Edge
url	https://corporate.example.com/dashboard

Validation Criteria	Session expires; Re-authentication required
Dependencies	Session management configured
Notes	Validates security compliance for session handling.

Test Case 44: Mandatory Field Validation During Registration

Test ID	TC_054
Module	User Registration > Form Validation
Category	Functional
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Tests that the system prevents registration when required fields are left empty.
Objective	Ensure all mandatory fields are validated.
Preconditions	Registration page is accessible
Expected Result	Registration fails, and an error message is displayed indicating that the full name field is required. No

Test Steps (Actions Only):

Step Number	1
Action	Navigate to registration page

Step Number	2
Action	Leave full name field empty

Step Number	3
Action	Enter email address
Step Number	4
Action	Enter phone number
Step Number	5
Action	Select country from dropdown
Step Number	6
Action	Set password
Step Number	7
Action	Click register button

Test Data (Values Only):

full_name	
email	user.test@company.com
phone	01234567892
country	Egypt
password	TestPass2024
browser	Safari
url	https://corporate.example.com/register

Validation Criteria	Error message shown; No account created
Dependencies	Frontend and backend validation enabled
Notes	Covers missing mandatory field scenario.

Test Case 45: Profile Update with SWIFT-Compliant Characters

Test ID	TC_055
Module	Profile Management > Profile Edit
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	4 minutes
Description	Verifies that only SWIFT-compliant characters are accepted in free-format fields during profile update
Objective	Ensure compliance with SWIFT character set requirements.
Preconditions	User is registered and logged in

Expected Result	Profile is updated successfully. All free-format fields accept only SWIFT-compliant characters and ch
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Test Steps (Actions Only):

Step Number	1
Action	Navigate to profile edit page
Step Number	2
Action	Enter SWIFT-compliant characters in address field
Step Number	3
Action	Update phone number
Step Number	4
Action	Click save changes button

Test Data (Values Only):

address	123 Main St. CAIRO-EGYPT
phone	01234567893
browser	Chrome
url	https://corporate.example.com/profile/edit
Validation Criteria	Profile updated; No invalid character error
Dependencies	SWIFT validation logic implemented
Notes	Ensures international compliance.

Test Case 46: Profile Update Fails with Non-SWIFT Characters

Test ID	TC_056
Module	Profile Management > Profile Edit
Category	Functional
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Checks that the system rejects profile updates containing non-SWIFT-compliant characters in free-format fields.
Objective	Prevent entry of invalid characters in user profile.
Preconditions	User is registered and logged in
Expected Result	Profile update fails. Error message is displayed indicating invalid characters in the address field. No o

Test Steps (Actions Only):

Step Number	1
Action	Navigate to profile edit page
Step Number	2
Action	Enter non-SWIFT characters in address field
Step Number	3
Action	Click save changes button

Test Data (Values Only):

address	123 Main St. ■■■■■■■■
browser	Firefox
url	https://corporate.example.com/profile/edit
Validation Criteria	Error message shown; No profile update
Dependencies	SWIFT validation logic implemented
Notes	Validates rejection of non-compliant characters.

Test Case 47: Boundary Test for Phone Number Field Length

Test ID	TC_057
Module	User Registration > Form Validation
Category	Boundary
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	4 minutes
Description	Tests that the phone number field accepts the maximum allowed number of digits and rejects any ex
Objective	Validate phone number field boundary conditions.
Preconditions	Registration page is accessible
Expected Result	Registration succeeds if phone number matches the maximum allowed length. If exceeded, error me

Test Steps (Actions Only):

Step Number	1
Action	Navigate to registration page
Step Number	2

Action	Enter full name
Step Number	3
Action	Enter phone number with maximum allowed digits
Step Number	4
Action	Enter email address
Step Number	5
Action	Select country from dropdown
Step Number	6
Action	Set password
Step Number	7
Action	Click register button

Test Data (Values Only):

full_name	Mohamed Fathy
phone	012345678901234
email	mohamed.fathy@company.com
country	Egypt
password	BoundaryTest2024
browser	Edge
url	https://corporate.example.com/register

Validation Criteria	Correct boundary enforcement; Appropriate error if exceeded
Dependencies	Phone number validation logic implemented
Notes	Tests upper boundary for phone number field.

Test Case 48: Concurrent Login Attempts for Same User

Test ID	TC_058
Module	Authentication > Session Handling
Category	Integration
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	6 minutes
Description	Verifies system behavior when the same user attempts to log in from multiple browsers simultaneously

Objective	Ensure session management handles concurrent logins appropriately.
Preconditions	User is registered
Expected Result	System either allows only one active session per user (logging out previous session) or supports con

Test Steps (Actions Only):

Step Number	1
Action	Open login page in first browser

Step Number	2
Action	Enter valid credentials and login

Step Number	3
Action	Open login page in second browser

Step Number	4
Action	Enter same credentials and login

Test Data (Values Only):

username	ahmed.samir@company.com
password	StrongPass!2024
browser_1	Chrome
browser_2	Firefox
url	https://corporate.example.com/login

Validation Criteria	Session handling as per policy; User notification
Dependencies	Session management policy defined
Notes	Validates session concurrency rules.

Test Case 49: Registration Fails with Duplicate Email Address

Test ID	TC_059
Module	User Registration > Form Validation
Category	Functional
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Checks that the system prevents registration using an email address that is already in use.

Objective	Ensure unique email constraint is enforced.
Preconditions	Email address already registered
Expected Result	Registration fails, and an error message is displayed indicating the email is already registered. No ne

Test Steps (Actions Only):

Step Number	1
Action	Navigate to registration page

Step Number	2
Action	Enter full name

Step Number	3
Action	Enter duplicate email address

Step Number	4
Action	Enter phone number

Step Number	5
Action	Select country from dropdown

Step Number	6
Action	Set password

Step Number	7
Action	Click register button

Test Data (Values Only):

full_name	Omar Khaled
email	ahmed.samir@company.com
phone	01234567894
country	Egypt
password	DuplicateTest2024
browser	Chrome
url	https://corporate.example.com/register

Validation Criteria	Error message shown; No duplicate account
Dependencies	Unique email constraint in database
Notes	Prevents duplicate user accounts.

Test Case 50: Usability Test for Registration Form Help Text

Test ID	TC_060
Module	User Registration > Form UI/UX
Category	Usability
Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	2 minutes
Description	Ensures that all registration form fields provide clear help text or tooltips to guide users.
Objective	Validate usability and user guidance on registration form.
Preconditions	Registration page is accessible
Expected Result	All fields display clear, concise help text or tooltips describing required format, length, and allowed characters.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to registration page

Step Number	2
Action	Hover over full name field

Step Number	3
Action	Hover over email address field

Step Number	4
Action	Hover over phone number field

Step Number	5
Action	Hover over password field

Test Data (Values Only):

browser	Safari
url	https://corporate.example.com/register

Validation Criteria	Help text present; Help text is clear and accurate
Dependencies	Help text/tooltips implemented
Notes	Improves user experience and reduces input errors.

Test Case 51: Successful File Upload and Document Processing for Entitlement Onboarding

Test ID	TC_061
Module	Corporate Module > Entitlement Management - Onboarding
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	10 minutes
Description	Verify that an admin user can successfully upload a customer onboarding file containing entitlement
Objective	To ensure file upload functionality works and entitlements are processed/applied as per the uploaded
Preconditions	Admin user is logged into the admin portal; Onboarding template file is prepared as per system form
Expected Result	File is uploaded and processed successfully, all entitlements are applied as per file data, confirmation

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement onboarding section
Step Number	2
Action	Click on the file upload button
Step Number	3
Action	Select the onboarding file from local storage
Step Number	4
Action	Submit the file for processing
Step Number	5
Action	Wait for processing to complete
Step Number	6
Action	Review the processing summary and confirmation

Test Data (Values Only):

user_role	admin
file_name	entitlement_onboarding_egypt.xlsx
file_type	xlsx
file_size	1.2 MB
entitlement_data	{'customer_id': 'EG123456', 'product': 'Governmental Payments', 'sub_products': ['Taxes', 'Customs', 'Bi

Validation Criteria	File upload is accepted; Processing completes without errors; Entitlements match uploaded data
Dependencies	Onboarding template is defined; Admin portal is accessible
Notes	Test for successful file upload and processing with valid data for Egypt localization.

Test Case 52: API Integration - Exchange of Entitlement Data with External System

Test ID	TC_062
Module	Corporate Module > API Integration
Category	Integration
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	7 minutes
Description	Validate that the system can successfully send entitlement data to an external governmental payment system
Objective	To ensure correct API integration and data exchange for entitlement updates.
Preconditions	API endpoint for external system is configured; Valid entitlement data exists for a customer
Expected Result	API request is sent with correct entitlement data, external system acknowledges receipt with a success response

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement management screen

Step Number	2
Action	Select a customer with updated entitlements

Step Number	3
Action	Initiate entitlement data export to external system

Step Number	4
Action	Monitor the API request and response

Step Number	5
Action	Check the status of the data exchange

Test Data (Values Only):

customer_id	EG987654
api_endpoint	https://govpay.eg/api/entitlements
auth_token	Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9

entitlement_payload	{"product": "Governmental Payments", "sub_products": ["Bills"], "flags": {"Adhoc Bill": "Allowed"}}
Validation Criteria	API request payload matches entitlement data; Response is handled correctly; Status is updated in the system
Dependencies	External API is available; Customer entitlement data is up-to-date
Notes	Covers API integration for entitlement data exchange with external governmental system.

Test Case 53: Security Validation - Unauthorized Access to Entitlement Configuration

Test ID	TC_063
Module	Corporate Module > Access Control
Category	Security
Priority	Critical
Test Type	Negative
Risk Level	High
Estimated Time	5 minutes
Description	Ensure that a user without admin privileges cannot access or modify entitlement configurations.
Objective	To validate role-based access control for sensitive entitlement management actions.
Preconditions	Non-admin user is logged into the portal
Expected Result	Access to entitlement configuration is denied, modification attempt is blocked, and an appropriate error message is displayed.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement management section
Step Number	2
Action	Attempt to access entitlement configuration options
Step Number	3
Action	Try to modify an existing entitlement
Step Number	4
Action	Attempt to save changes

Test Data (Values Only):

user_role	customer_user
customer_id	EG246810
entitlement_id	ENT12345

modification_attempt	{"Adhoc Bill": "Not Allowed"}
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Validation Criteria	Unauthorized access is prevented; No changes are made; Error message is shown; Audit log records the attempt
Dependencies	Role-based access control is implemented
Notes	Tests enforcement of access control for sensitive entitlement actions.

Test Case 54: Boundary Test - File Upload with Maximum Allowed Size and Invalid Format

Test ID	TC_064
Module	Corporate Module > Entitlement Management - File Upload
Category	Error Handling
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	8 minutes
Description	Test the system's handling of file uploads at the maximum allowed size and with an unsupported file
Objective	To validate file size and format restrictions for entitlement onboarding uploads.
Preconditions	Admin user is logged into the admin portal
Expected Result	System accepts and processes the file at maximum allowed size without errors. Upload of unsupported

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the entitlement onboarding section
Step Number	2
Action	Click on the file upload button
Step Number	3
Action	Select a file at the maximum allowed size
Step Number	4
Action	Attempt to upload a file with an unsupported format
Step Number	5
Action	Observe system response for both uploads

Test Data (Values Only):

user_role	admin
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max_file	{"file_name": "max_entitlement_upload.xlsx", "file_type": "xlsx", "file_size": "5 MB"}
invalid_file	{"file_name": "entitlement_upload.exe", "file_type": "exe", "file_size": "1 MB"}

Validation Criteria	Max size file is accepted; Invalid format file is rejected; Error messages are clear
Dependencies	File size and format validation is implemented
Notes	Covers both positive and negative boundary conditions for file upload.

Test Case 55: Usability - Beneficiary Addition with Mandatory and Optional Fields

Test ID	TC_065
Module	Corporate Module > Beneficiary Management
Category	Usability
Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	6 minutes
Description	Verify that a user can add a new beneficiary, that mandatory and optional fields are clearly indicated,
Objective	To ensure the beneficiary addition form is user-friendly and enforces all field requirements.
Preconditions	Customer user is logged into the portal
Expected Result	Beneficiary is added successfully, mandatory fields are validated (including SWIFT character set), op

Test Steps (Actions Only):

Step Number	1
Action	Navigate to the beneficiary management section
Step Number	2
Action	Click on the add beneficiary button
Step Number	3
Action	Enter beneficiary name
Step Number	4
Action	Enter beneficiary account number
Step Number	5
Action	Select country from dropdown
Step Number	6
Action	Fill optional reference field

Step Number	7
Action	Submit the beneficiary form

Test Data (Values Only):

user_role	customer_user
beneficiary_name	Ahmed Youssef
account_number	EG2000001234567890123456
country	Egypt
reference	Tax Payment 2024

Validation Criteria	Mandatory fields are enforced; Field validation is correct; Confirmation is shown
Dependencies	Beneficiary management feature is enabled
Notes	Focuses on usability and field validation for beneficiary addition, including SWIFT compliance.

Test Case 56: Fallback Functional Test 1

Test ID	TC_001
Module	System > Module_1
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	20 minutes
Description	Comprehensive functional validation test with clearly separated action steps and data values
Objective	Validate functional requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses functional module, positive test workflow executes correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page

Step Number	2
Action	Enter user credentials

Step Number	3
Action	Submit login form

Step Number	4
Action	Access functional module

Step Number	5
Action	Execute positive test workflow

Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_001@test.com
password	FallbackPass1@2024
login_url	https://testapp1.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Functional > Test Area
scenario_type	Positive
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Functional_1
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	Critical

Validation Criteria	Functional requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved;
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 57: Fallback Security Test 2

Test ID	TC_002
Module	System > Module_1
Category	Security
Priority	High

Test Type	Negative
Risk Level	High
Estimated Time	21 minutes
Description	Comprehensive security validation test with clearly separated action steps and data values
Objective	Validate security requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses security module, negative test workflow executes correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page

Step Number	2
Action	Enter user credentials

Step Number	3
Action	Submit login form

Step Number	4
Action	Access security module

Step Number	5
Action	Execute negative test workflow

Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_002@test.com
password	FallbackPass2@2024
login_url	https://testapp2.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Security > Test Area
scenario_type	Negative
expected_response_time	< 5 seconds
validation_timeout	60 seconds

evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Security_2
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	High

Validation Criteria	Security requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved; Performance metrics within acceptable range
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 58: Fallback Performance Test 3

Test ID	TC_003
Module	System > Module_1
Category	Performance
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	22 minutes
Description	Comprehensive performance validation test with clearly separated action steps and data values
Objective	Validate performance requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses performance module, boundary test workflow executes without errors

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2
Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access performance module
Step Number	5

Action	Execute boundary test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_003@test.com
password	FallbackPass3@2024
login_url	https://testapp3.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Performance > Test Area
scenario_type	Boundary
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Performance_3
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	Medium

Validation Criteria	Performance requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 59: Fallback Integration Test 4

Test ID	TC_004
Module	System > Module_1
Category	Integration
Priority	Low
Test Type	Error
Risk Level	Low
Estimated Time	23 minutes

Description	Comprehensive integration validation test with clearly separated action steps and data values
Objective	Validate integration requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses integration module, error test workflow executes completely

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2
Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access integration module
Step Number	5
Action	Execute error test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_004@test.com
password	FallbackPass4@2024
login_url	https://testapp4.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Integration > Test Area
scenario_type	Error
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Integration_4
execution_mode	Automated

cleanup_required	True
retry_count	3
priority_level	Low

Validation Criteria	Integration requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved;
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 60: Fallback Usability Test 5

Test ID	TC_005
Module	System > Module_1
Category	Usability
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	24 minutes
Description	Comprehensive usability validation test with clearly separated action steps and data values
Objective	Validate usability requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses usability module, positive test workflow executes completely

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2
Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access usability module
Step Number	5
Action	Execute positive test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_005@test.com
password	FallbackPass5@2024
login_url	https://testapp5.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Usability > Test Area
scenario_type	Positive
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Usability_5
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	Critical

Validation Criteria	Usability requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved; P
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 61: Fallback Functional Test 6

Test ID	TC_006
Module	System > Module_1
Category	Functional
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	25 minutes
Description	Comprehensive functional validation test with clearly separated action steps and data values
Objective	Validate functional requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test da

Expected Result	User successfully authenticates and accesses functional module, negative test workflow executes co
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Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2
Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access functional module
Step Number	5
Action	Execute negative test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_006@test.com
password	FallbackPass6@2024
login_url	https://testapp6.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Functional > Test Area
scenario_type	Negative
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Functional_6
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	High

Validation Criteria	Functional requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved;
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 62: Fallback Security Test 7

Test ID	TC_007
Module	System > Module_1
Category	Security
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	26 minutes
Description	Comprehensive security validation test with clearly separated action steps and data values
Objective	Validate security requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses security module, boundary test workflow executes correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2
Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access security module
Step Number	5
Action	Execute boundary test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_007@test.com
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password	FallbackPass7@2024
login_url	https://testapp7.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Security > Test Area
scenario_type	Boundary
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Security_7
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	Medium

Validation Criteria	Security requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved; Performance metrics within acceptable range
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 63: Fallback Performance Test 8

Test ID	TC_008
Module	System > Module_1
Category	Performance
Priority	Low
Test Type	Error
Risk Level	Low
Estimated Time	27 minutes
Description	Comprehensive performance validation test with clearly separated action steps and data values
Objective	Validate performance requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses performance module, error test workflow executes correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2
Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access performance module
Step Number	5
Action	Execute error test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_008@test.com
password	FallbackPass8@2024
login_url	https://testapp8.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Performance > Test Area
scenario_type	Error
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Performance_8
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	Low

Validation Criteria	Performance requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 64: Fallback Integration Test 9

Test ID	TC_009
Module	System > Module_1
Category	Integration
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	28 minutes
Description	Comprehensive integration validation test with clearly separated action steps and data values
Objective	Validate integration requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses integration module, positive test workflow executes correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page

Step Number	2
Action	Enter user credentials

Step Number	3
Action	Submit login form

Step Number	4
Action	Access integration module

Step Number	5
Action	Execute positive test workflow

Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_009@test.com
password	FallbackPass9@2024
login_url	https://testapp9.example.com/login
browser_type	Chrome

browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Integration > Test Area
scenario_type	Positive
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Integration_9
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	Critical

Validation Criteria	Integration requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved;
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases

Test Case 65: Fallback Usability Test 10

Test ID	TC_010
Module	System > Module_1
Category	Usability
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	29 minutes
Description	Comprehensive usability validation test with clearly separated action steps and data values
Objective	Validate usability requirements through structured workflow with separated concerns
Preconditions	Test environment is deployed and accessible; Test user credentials are configured; Required test data is available
Expected Result	User successfully authenticates and accesses usability module, negative test workflow executes correctly

Test Steps (Actions Only):

Step Number	1
Action	Navigate to application login page
Step Number	2

Action	Enter user credentials
Step Number	3
Action	Submit login form
Step Number	4
Action	Access usability module
Step Number	5
Action	Execute negative test workflow
Step Number	6
Action	Validate system response and capture results

Test Data (Values Only):

username	fallback_user_010@test.com
password	FallbackPass10@2024
login_url	https://testapp10.example.com/login
browser_type	Chrome
browser_version	118.0
screen_resolution	1920x1080
environment	Test Environment
session_timeout	30 minutes
module_path	Main > Usability > Test Area
scenario_type	Negative
expected_response_time	< 5 seconds
validation_timeout	60 seconds
evidence_types	Screenshot, Log file, Response data
test_dataset	FallbackData_Usability_10
execution_mode	Automated
cleanup_required	True
retry_count	3
priority_level	High

Validation Criteria	Usability requirements fully satisfied; System maintains stability throughout execution; Data integrity preserved; P
Dependencies	System deployment; Test data configuration; User account setup
Notes	Fallback test case with separated steps and data due to parsing error: Insufficient parsed cases