

Test Cases Report - 65 Test Cases

Total Test Cases	65
Categories	Integration, Error Handling, Functional, Security, Performance, Usability, Compliance
Priority Levels	Low, High, Critical, Medium
Generated On	2025-07-31 14:37:31

Test Case 1: Validate successful entitlement assignment during onboarding

Test ID	TC_001
Module	Entitlement Management > Onboarding
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Verify that an admin can successfully assign governmental payment product entitlements to a new customer during onboarding.
Objective	Ensure entitlements can be assigned as part of onboarding workflow.
Preconditions	Admin is logged in; Customer onboarding process initiated
Test Steps	Navigate to onboarding screen; Select governmental payment products for the customer; Save entitlement assignment.
Expected Result	Entitlements are saved and visible in the customer's profile.
Validation Criteria	Entitlements reflect in customer profile; No errors on save
Dependencies	User authentication
Notes	Covers core onboarding flow

Test Case 2: Reject entitlement assignment with missing mandatory fields

Test ID	TC_002
Module	Entitlement Management > Onboarding
Category	Functional
Priority	High
Test Type	Negative

Risk Level	Medium
Estimated Time	3 minutes
Description	Attempt to assign entitlements without filling all mandatory fields.
Objective	Ensure system enforces mandatory field validation.
Preconditions	Admin is logged in; Onboarding started
Test Steps	Navigate to entitlement assignment; Leave mandatory field blank; Attempt to save
Expected Result	System displays error and prevents save.
Validation Criteria	Error message shown; No entitlement saved
Dependencies	Field validation logic
Notes	Test for requiredness

Test Case 3: Verify SWIFT compliance for data entry fields

Test ID	TC_003
Module	Data Validation > Field Validation
Category	Functional
Priority	Critical
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Enter special characters not allowed by SWIFT in a data entry field.
Objective	Ensure SWIFT compliance is enforced.
Preconditions	User is on entitlement form
Test Steps	Enter invalid special characters in a SWIFT-compliant field; Attempt to save
Expected Result	System rejects the input and displays a SWIFT compliance error.
Validation Criteria	Error message for invalid characters
Dependencies	SWIFT validation logic
Notes	Regulatory compliance

Test Case 4: Successful login with valid credentials

Test ID	TC_004
Module	Authentication > Login
Category	Security
Priority	Critical
Test Type	Positive
Risk Level	High

Estimated Time	2 minutes
Description	Test login functionality with valid admin credentials.
Objective	Ensure only authorized users can access the system.
Preconditions	Valid admin credentials exist
Test Steps	Navigate to login page; Enter valid credentials; Click login
Expected Result	User is logged in and redirected to dashboard.
Validation Criteria	Successful authentication; Session created
Dependencies	User database
Notes	Covers basic authentication

Test Case 5: Block login with invalid credentials

Test ID	TC_005
Module	Authentication > Login
Category	Security
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Attempt to log in with incorrect credentials.
Objective	Ensure unauthorized users cannot access the system.
Preconditions	User is on login page
Test Steps	Enter invalid username or password; Click login
Expected Result	Login fails and error message is shown.
Validation Criteria	No access granted; Error displayed
Dependencies	Authentication logic
Notes	Basic negative authentication

Test Case 6: Role-based access control for admin and customer

Test ID	TC_006
Module	Authorization > RBAC
Category	Security
Priority	Critical
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes

Description	Verify that only admins can add beneficiaries and manage entitlements.
Objective	Ensure RBAC is enforced.
Preconditions	Admin and customer users exist
Test Steps	Login as customer; Attempt to access admin-only features
Expected Result	Access is denied for customer user.
Validation Criteria	No unauthorized access
Dependencies	RBAC configuration
Notes	Covers RBAC enforcement

Test Case 7: Validate dropdown default selection for Egypt

Test ID	TC_007
Module	Entitlement Management > Country-specific Logic
Category	Functional
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	2 minutes
Description	Check that dropdowns and checkboxes have correct defaults for Egypt.
Objective	Ensure country-specific defaults are set.
Preconditions	Customer GCIF is Egypt
Test Steps	Open entitlement assignment form; Observe default values for dropdowns and checkboxes
Expected Result	Defaults are set according to Egypt configuration.
Validation Criteria	Defaults match config
Dependencies	Country configuration
Notes	Country-specific logic

Test Case 8: Attempt to assign entitlement for unsupported country

Test ID	TC_008
Module	Entitlement Management > Country-specific Logic
Category	Functional
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes

Description	Try to assign entitlements for a country not supported in configuration.
Objective	Ensure system blocks unsupported countries.
Preconditions	Customer GCIF is unsupported
Test Steps	Open entitlement assignment form; Select unsupported country; Attempt to assign entitlement
Expected Result	System displays error or disables entitlement assignment.
Validation Criteria	No entitlements assigned; Error shown
Dependencies	Country configuration
Notes	Internationalization

Test Case 9: Auto-reject transaction after 45 days

Test ID	TC_009
Module	Workflow Management > Transaction Expiry
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	1 minute (after setup)
Description	Verify that transactions not approved within 45 days are auto-rejected.
Objective	Ensure expiry rule is enforced.
Preconditions	Transaction pending for 45 days
Test Steps	Identify a transaction pending for 45 days; Wait for system auto-rejection process to run
Expected Result	Transaction is auto-rejected with remarks.
Validation Criteria	Transaction status updated; Remarks added
Dependencies	Workflow scheduler
Notes	Expiry rule

Test Case 10: Receive notification before transaction expiry

Test ID	TC_010
Module	Workflow Management > Notifications
Category	Functional
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	2 minutes
Description	Check if users receive notification before a transaction is auto-rejected.

Objective	Ensure notification system works for impending expiry.
Preconditions	Transaction pending for 44 days
Test Steps	Wait until 1 day before expiry; Check for notification
Expected Result	User receives notification about pending expiry.
Validation Criteria	Notification sent; User receives alert
Dependencies	Notification engine
Notes	Expiry notification

Test Case 11: Override auto-rejection in exceptional case

Test ID	TC_011
Module	Workflow Management > Transaction Expiry
Category	Functional
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	3 minutes
Description	Test ability to override auto-rejection for a transaction about to expire.
Objective	Validate override/escalation path.
Preconditions	Transaction pending for 44 days; Override permission granted
Test Steps	Trigger override process; Approve override; Check transaction status
Expected Result	Transaction is not auto-rejected and remains pending.
Validation Criteria	Override applied; Status unchanged
Dependencies	Override logic
Notes	Exception handling

Test Case 12: Add new governmental payment type via configuration

Test ID	TC_012
Module	Configuration Management > Product Management
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Ensure admin can add a new payment type without code changes.

Objective	Test extensibility and configuration-driven design.
Preconditions	Admin logged in; Access to configuration UI
Test Steps	Navigate to payment types management; Add new payment type; Save and verify availability
Expected Result	New payment type is available for entitlement assignment.
Validation Criteria	Type appears in selection lists
Dependencies	Configuration UI
Notes	Extensibility

Test Case 13: Attempt to add duplicate payment type

Test ID	TC_013
Module	Configuration Management > Product Management
Category	Functional
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Try to add a payment type that already exists.
Objective	Ensure system prevents duplicates.
Preconditions	Existing payment type present
Test Steps	Navigate to payment types management; Attempt to add existing payment type
Expected Result	System displays error and prevents duplicate.
Validation Criteria	Error shown; No duplicate added
Dependencies	Uniqueness validation
Notes	Data integrity

Test Case 14: Field length validation for fixed-length fields

Test ID	TC_014
Module	Data Validation > Field Validation
Category	Functional
Priority	High
Test Type	Boundary
Risk Level	Medium
Estimated Time	2 minutes
Description	Enter data exceeding the fixed length for a numeric field.
Objective	Ensure field length limits are enforced.

Preconditions	User on data entry form
Test Steps	Enter value longer than allowed; Attempt to save
Expected Result	System rejects input and displays error.
Validation Criteria	Error for excess length
Dependencies	Field validation logic
Notes	Boundary test

Test Case 15: Amount field accepts two decimal digits only

Test ID	TC_015
Module	Data Validation > Field Validation
Category	Functional
Priority	High
Test Type	Boundary
Risk Level	Medium
Estimated Time	2 minutes
Description	Test that AMT fields accept only two decimal digits.
Objective	Ensure decimal precision is enforced.
Preconditions	User on amount entry form
Test Steps	Enter value with more than two decimals; Attempt to save
Expected Result	System rounds or rejects input with more than two decimals.
Validation Criteria	Only two decimals accepted
Dependencies	Amount validation
Notes	Precision enforcement

Test Case 16: Dropdown list displays all configured sub-products

Test ID	TC_016
Module	User Interface > Entitlement Assignment
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	2 minutes
Description	Check that all sub-products are available in the dropdown.
Objective	Ensure UI reflects backend configuration.
Preconditions	Sub-products configured

Test Steps	Open entitlement assignment form; Open sub-product dropdown
Expected Result	All configured sub-products are listed.
Validation Criteria	Dropdown matches configuration
Dependencies	UI-Backend sync
Notes	UI-configuration sync

Test Case 17: Checkbox default state based on configuration

Test ID	TC_017
Module	User Interface > Entitlement Assignment
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	1 minute
Description	Verify checkbox is checked/unchecked as per country entitlement.
Objective	Ensure UI reflects country-specific defaults.
Preconditions	Country-specific config set
Test Steps	Open entitlement assignment form; Observe checkbox state
Expected Result	Checkbox state matches configuration.
Validation Criteria	Checkbox matches config
Dependencies	UI-Backend sync
Notes	UI default state

Test Case 18: API endpoint returns correct entitlement list

Test ID	TC_018
Module	API > Entitlement Retrieval
Category	Integration
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	2 minutes
Description	Call entitlement retrieval API and verify response.
Objective	Ensure API returns accurate entitlement data.
Preconditions	API server running; Entitlements exist
Test Steps	Send GET request to /entitlements; Verify response data

Expected Result	Response contains correct entitlement list.
Validation Criteria	Response matches DB
Dependencies	API server
Notes	API contract

Test Case 19: API rejects unauthorized entitlement modification

Test ID	TC_019
Module	API > Entitlement Modification
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	2 minutes
Description	Attempt to modify entitlements via API without proper authorization.
Objective	Ensure API enforces authorization.
Preconditions	API server running; No auth token
Test Steps	Send POST request to /entitlements without valid token; Check response
Expected Result	API returns 401 Unauthorized.
Validation Criteria	Unauthorized access blocked
Dependencies	API auth middleware
Notes	API security

Test Case 20: SQL injection attempt on entitlement API

Test ID	TC_020
Module	API > Security
Category	Security
Priority	Critical
Test Type	Negative
Risk Level	High
Estimated Time	2 minutes
Description	Inject SQL via API payload to test for injection vulnerability.
Objective	Ensure API is secure against SQL injection.
Preconditions	API server running
Test Steps	Send POST request with SQL payload; Observe response
Expected Result	API sanitizes input and rejects malicious payload.

Validation Criteria	No DB impact; Error returned
Dependencies	Input sanitization
Notes	Security vulnerability

Test Case 21: Cross-site scripting (XSS) in beneficiary name field

Test ID	TC_021
Module	User Interface > Beneficiary Management
Category	Security
Priority	Critical
Test Type	Negative
Risk Level	High
Estimated Time	2 minutes
Description	Enter script tags in beneficiary name field.
Objective	Ensure input is sanitized to prevent XSS.
Preconditions	User on add beneficiary form
Test Steps	Enter <script>alert('XSS')</script> in name field; Save beneficiary
Expected Result	System rejects or sanitizes input.
Validation Criteria	No script execution
Dependencies	Input validation
Notes	Web security

Test Case 22: Session timeout after inactivity

Test ID	TC_022
Module	Authentication > Session Management
Category	Security
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	10 minutes
Description	Leave session idle and verify auto logout after timeout.
Objective	Ensure session management for security.
Preconditions	User logged in
Test Steps	Perform no activity for session timeout period; Try to perform action
Expected Result	User is logged out and must re-authenticate.
Validation Criteria	Session terminates; Re-auth required

Dependencies	Session timeout config
Notes	Session security

Test Case 23: Audit trail for entitlement changes

Test ID	TC_023
Module	Audit and Compliance > Entitlement Management
Category	Compliance
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	3 minutes
Description	Verify all changes to entitlements are logged.
Objective	Ensure auditability for compliance.
Preconditions	Admin modifies entitlement
Test Steps	Modify a customer's entitlement; Check audit log
Expected Result	Change is recorded with user, timestamp, and details.
Validation Criteria	Log entry created
Dependencies	Audit logging
Notes	Regulatory compliance

Test Case 24: Attempt unauthorized access to audit logs

Test ID	TC_024
Module	Audit and Compliance > Audit Logs
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	2 minutes
Description	Try to view audit logs as a non-admin user.
Objective	Ensure audit logs are protected.
Preconditions	Customer user logged in
Test Steps	Navigate to audit logs; Attempt to view
Expected Result	Access denied for non-admin users.
Validation Criteria	No unauthorized access
Dependencies	RBAC

Notes	Audit log security
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Test Case 25: Simultaneous entitlement modification by two admins

Test ID	TC_025
Module	Entitlement Management > Concurrency
Category	Integration
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	5 minutes
Description	Test for race condition when two admins modify the same entitlement simultaneously.
Objective	Ensure data integrity under concurrent updates.
Preconditions	Two admin users logged in
Test Steps	Both admins open same entitlement; Both make different changes; Both save
Expected Result	System handles conflict and preserves data integrity.
Validation Criteria	No data corruption; Conflict handled
Dependencies	Concurrency control
Notes	Concurrency

Test Case 26: Performance under 1000 concurrent entitlement assignments

Test ID	TC_026
Module	Performance > Load Testing
Category	Performance
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	30 minutes
Description	Simulate 1000 concurrent entitlement assignments.
Objective	Test system scalability and response time.
Preconditions	Load test tools available
Test Steps	Simulate 1000 concurrent users assigning entitlements; Monitor system performance
Expected Result	System remains responsive and assignments succeed.
Validation Criteria	Acceptable response time; No errors

Dependencies	Load test environment
Notes	Load testing

Test Case 27: System response to entitlement assignment with invalid data type

Test ID	TC_027
Module	Data Validation > Field Validation
Category	Functional
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Submit a string value to a numeric field.
Objective	Ensure type validation is enforced.
Preconditions	User on entitlement form
Test Steps	Enter non-numeric value in numeric field; Attempt to save
Expected Result	System rejects input and displays error.
Validation Criteria	Type error shown
Dependencies	Type validation
Notes	Type enforcement

Test Case 28: Export entitlement data to file

Test ID	TC_028
Module	File Processing > Export
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	3 minutes
Description	Export entitlement data to CSV and verify file content.
Objective	Ensure export functionality works and data is correct.
Preconditions	Entitlements exist
Test Steps	Click export button; Download file; Open and verify content
Expected Result	CSV contains correct entitlement data.
Validation Criteria	File format correct; Data matches DB

Dependencies	Export logic
Notes	Export

Test Case 29: Import entitlement data from file

Test ID	TC_029
Module	File Processing > Import
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Medium
Estimated Time	5 minutes
Description	Import entitlement data from a valid CSV file.
Objective	Ensure import functionality processes valid files.
Preconditions	Valid CSV file prepared
Test Steps	Click import button; Upload valid CSV; Verify entitlements imported
Expected Result	Entitlements are imported and visible in system.
Validation Criteria	Data matches file; No errors
Dependencies	Import logic
Notes	Import

Test Case 30: Reject import of malformed entitlement file

Test ID	TC_030
Module	File Processing > Import
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Attempt to import a malformed CSV file.
Objective	Ensure system validates file format and rejects invalid files.
Preconditions	Malformed CSV prepared
Test Steps	Upload malformed CSV; Observe system response
Expected Result	System rejects file and displays error.
Validation Criteria	Error shown; No data imported
Dependencies	File validation

Notes	Import validation
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Test Case 31: Test backup and restore of entitlement data

Test ID	TC_031
Module	Backup and Recovery > Database
Category	Integration
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	20 minutes
Description	Backup entitlement data, delete from DB, and restore from backup.
Objective	Ensure backup and recovery works correctly.
Preconditions	Entitlement data exists; Backup tool available
Test Steps	Perform backup; Delete entitlement data; Restore from backup; Verify data restored
Expected Result	All entitlement data is restored accurately.
Validation Criteria	Data integrity; No loss
Dependencies	Backup tool; DB access
Notes	Disaster recovery

Test Case 32: Test system behavior on DB connection loss

Test ID	TC_032
Module	Database Operations > Error Handling
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	5 minutes
Description	Simulate DB connection loss during entitlement assignment.
Objective	Ensure system handles DB errors gracefully.
Preconditions	DB access
Test Steps	Initiate entitlement assignment; Simulate DB disconnect; Observe system response
Expected Result	System displays error and does not crash.
Validation Criteria	Error message; No crash
Dependencies	DB access
Notes	DB error handling

Test Case 33: Daily single limit enforcement for governmental payments

Test ID	TC_033
Module	Entitlement Management > Limit Enforcement
Category	Functional
Priority	Critical
Test Type	Boundary
Risk Level	High
Estimated Time	5 minutes
Description	Attempt to process payments exceeding daily single limit.
Objective	Ensure daily limits are enforced across all governmental payments.
Preconditions	Daily limit configured
Test Steps	Process payments up to the daily limit; Attempt to process one more payment
Expected Result	System blocks payment exceeding limit.
Validation Criteria	Limit enforced
Dependencies	Limit config
Notes	Limit enforcement

Test Case 34: Add beneficiary via admin portal

Test ID	TC_034
Module	Beneficiary Management > Admin Portal
Category	Functional
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	3 minutes
Description	Verify admin can add a beneficiary for a governmental payment product.
Objective	Ensure admin portal supports beneficiary management.
Preconditions	Admin logged in
Test Steps	Navigate to beneficiary management; Add new beneficiary; Save
Expected Result	Beneficiary is added and visible.
Validation Criteria	Beneficiary visible
Dependencies	Admin portal
Notes	Admin capability

Test Case 35: Attempt to add beneficiary with missing mandatory details

Test ID	TC_035
Module	Beneficiary Management > Admin Portal
Category	Functional
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Try to add a beneficiary without all required fields.
Objective	Ensure validation for beneficiary fields.
Preconditions	Admin logged in
Test Steps	Navigate to add beneficiary; Leave mandatory field blank; Attempt to save
Expected Result	System displays error and does not save.
Validation Criteria	Error shown
Dependencies	Field validation
Notes	Beneficiary validation

Test Case 36: Cross-browser compatibility for entitlement assignment

Test ID	TC_036
Module	User Interface > Entitlement Assignment
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	10 minutes
Description	Verify entitlement assignment form functions correctly in multiple browsers.
Objective	Ensure UI works across browsers.
Preconditions	Supported browsers installed
Test Steps	Open form in Chrome; Open form in Firefox; Open form in Edge; Compare behavior
Expected Result	Form functions identically in all browsers.
Validation Criteria	No UI issues
Dependencies	UI compatibility

Notes	Cross-browser
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Test Case 37: Attempt to upload unsupported file type for import

Test ID	TC_037
Module	File Processing > Import
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Try to upload a file in an unsupported format (e.g., .exe).
Objective	Ensure only supported file types are accepted.
Preconditions	User on import screen
Test Steps	Select .exe file for upload; Attempt to import
Expected Result	System rejects file and displays error.
Validation Criteria	Error shown; No import
Dependencies	File validation
Notes	File type validation

Test Case 38: Validate multi-dropdown selection for sub-products

Test ID	TC_038
Module	User Interface > Entitlement Assignment
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	2 minutes
Description	Check that user can select multiple sub-products via multi-dropdown.
Objective	Ensure multi-selection works as intended.
Preconditions	Multi-dropdown configured
Test Steps	Open entitlement assignment form; Select multiple sub-products; Save
Expected Result	All selected sub-products are assigned.
Validation Criteria	All selections saved
Dependencies	Multi-dropdown logic
Notes	Multi-select

Test Case 39: Attempt to select more sub-products than allowed

Test ID	TC_039
Module	User Interface > Entitlement Assignment
Category	Functional
Priority	Medium
Test Type	Boundary
Risk Level	Low
Estimated Time	2 minutes
Description	Try to select more sub-products than the configured maximum.
Objective	Ensure selection limit is enforced.
Preconditions	Selection limit set
Test Steps	Open entitlement assignment form; Select sub-products exceeding limit; Attempt to save
Expected Result	System prevents selection and displays error.
Validation Criteria	Error shown
Dependencies	Selection limit config
Notes	Selection boundary

Test Case 40: Validate time and date input format

Test ID	TC_040
Module	Data Validation > Field Validation
Category	Functional
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Enter invalid date/time format in a required field.
Objective	Ensure only valid date/time formats are accepted.
Preconditions	User on data entry form
Test Steps	Enter invalid date/time; Attempt to save
Expected Result	System rejects input and displays error.
Validation Criteria	Format error shown
Dependencies	Date/time validation
Notes	Date/time validation

Test Case 41: Attempt to access entitlement assignment without login

Test ID	TC_041
Module	Authorization > Session Management
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	1 minute
Description	Try to access entitlement assignment page without authentication.
Objective	Ensure authentication is required.
Preconditions	User logged out
Test Steps	Navigate to entitlement assignment URL; Observe system response
Expected Result	User is redirected to login page.
Validation Criteria	No access without login
Dependencies	Session check
Notes	Session enforcement

Test Case 42: API returns error for malformed JSON payload

Test ID	TC_042
Module	API > Entitlement Modification
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Send malformed JSON to entitlement API.
Objective	Ensure API validates request format.
Preconditions	API server running
Test Steps	Send POST with malformed JSON; Observe response
Expected Result	API returns 400 Bad Request.
Validation Criteria	Error returned
Dependencies	API validation
Notes	API input validation

Test Case 43: Attempt to delete entitlement in use

Test ID	TC_043
Module	Entitlement Management > Entitlement Deletion
Category	Functional
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Try to delete an entitlement currently assigned to a customer.
Objective	Ensure system prevents deletion of entitlements in use.
Preconditions	Entitlement assigned
Test Steps	Attempt to delete entitlement; Observe system response
Expected Result	System blocks deletion and displays error.
Validation Criteria	Error shown
Dependencies	Referential integrity
Notes	Data integrity

Test Case 44: Test UI accessibility for visually impaired users

Test ID	TC_044
Module	User Interface > Accessibility
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	5 minutes
Description	Verify form is accessible via screen reader and keyboard navigation.
Objective	Ensure accessibility compliance.
Preconditions	Screen reader available
Test Steps	Open entitlement form; Navigate using keyboard; Use screen reader
Expected Result	All elements are accessible and labeled.
Validation Criteria	All controls accessible
Dependencies	UI accessibility
Notes	Accessibility

Test Case 45: Test notification escalation for pending expiry

Test ID	TC_045
Module	Workflow Management > Notifications
Category	Functional
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	5 minutes
Description	Verify escalation path is triggered if transaction is not acted on after notification.
Objective	Ensure escalation works for pending expiries.
Preconditions	Transaction near expiry; Escalation config set
Test Steps	Wait for notification; Do not act on transaction; Check for escalation
Expected Result	Escalation notification is sent to supervisor.
Validation Criteria	Escalation triggered
Dependencies	Escalation logic
Notes	Notification escalation

Test Case 46: Test audit log integrity after rollback

Test ID	TC_046
Module	Audit and Compliance > Audit Logs
Category	Compliance
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	5 minutes
Description	Perform rollback and verify audit logs are not lost.
Objective	Ensure audit logs persist after rollback.
Preconditions	Audit logs exist; Rollback operation
Test Steps	Perform operation; Rollback changes; Check audit logs
Expected Result	Audit logs remain intact.
Validation Criteria	Logs not lost
Dependencies	Audit log storage
Notes	Audit persistence

Test Case 47: Test system behavior on entitlement config corruption

Test ID	TC_047
Module	Configuration Management > Error Handling
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes
Description	Simulate corrupted configuration and observe system response.
Objective	Ensure system handles config errors gracefully.
Preconditions	Corrupted config file
Test Steps	Load system with corrupted config; Observe error handling
Expected Result	System displays error and does not crash.
Validation Criteria	Error shown; No crash
Dependencies	Config loader
Notes	Config error handling

Test Case 48: Test UI responsiveness on mobile devices

Test ID	TC_048
Module	User Interface > Responsiveness
Category	Usability
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	5 minutes
Description	Verify entitlement form is usable on mobile browsers.
Objective	Ensure mobile compatibility.
Preconditions	Mobile device/browser
Test Steps	Open form on mobile device; Attempt to assign entitlement
Expected Result	Form is usable and elements are accessible.
Validation Criteria	No layout issues
Dependencies	Responsive design
Notes	Mobile UI

Test Case 49: Test data encryption at rest

Test ID	TC_049
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Module	Security > Data Protection
Category	Security
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Verify that entitlement data is encrypted in the database.
Objective	Ensure data at rest is protected.
Preconditions	DB encryption enabled
Test Steps	Store new entitlement; Inspect DB storage
Expected Result	Data is encrypted and not readable in plaintext.
Validation Criteria	No plaintext data
Dependencies	Encryption config
Notes	Encryption

Test Case 50: Test data encryption in transit

Test ID	TC_050
Module	Security > Data Protection
Category	Security
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	5 minutes
Description	Verify data is encrypted during transmission (HTTPS).
Objective	Ensure data in transit is protected.
Preconditions	HTTPS enabled
Test Steps	Monitor network traffic during entitlement assignment; Check for encrypted traffic
Expected Result	All data transmitted is encrypted.
Validation Criteria	No plaintext transmission
Dependencies	HTTPS config
Notes	Encryption in transit

Test Case 51: Test for duplicate beneficiary entry

Test ID	TC_051
Module	Beneficiary Management > Admin Portal

Category	Functional
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Attempt to add a beneficiary with the same details as an existing one.
Objective	Ensure system prevents duplicate beneficiaries.
Preconditions	Beneficiary exists
Test Steps	Attempt to add beneficiary with same details; Observe system response
Expected Result	System prevents duplicate and displays error.
Validation Criteria	Error shown
Dependencies	Uniqueness validation
Notes	Duplicate prevention

Test Case 52: Test system behavior under network latency

Test ID	TC_052
Module	Performance > Network
Category	Performance
Priority	Medium
Test Type	Boundary
Risk Level	Medium
Estimated Time	5 minutes
Description	Simulate high network latency during entitlement assignment.
Objective	Ensure system remains usable under slow network.
Preconditions	Network throttling tool
Test Steps	Throttle network; Assign entitlement; Observe UI response
Expected Result	System remains usable; user is informed of delays.
Validation Criteria	No crashes; User informed
Dependencies	Network tools
Notes	Network performance

Test Case 53: Test API rate limiting

Test ID	TC_053
Module	API > Security
Category	Security

Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	5 minutes
Description	Send rapid repeated requests to API endpoint.
Objective	Ensure API rate limiting is enforced.
Preconditions	API server running
Test Steps	Send requests in rapid succession; Observe response
Expected Result	API returns rate limit error after threshold.
Validation Criteria	Rate limit enforced
Dependencies	Rate limiting config
Notes	API protection

Test Case 54: Test logging of failed login attempts

Test ID	TC_054
Module	Authentication > Login
Category	Security
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes
Description	Attempt multiple failed logins and verify logs.
Objective	Ensure failed logins are logged for security.
Preconditions	User exists
Test Steps	Attempt login with wrong password multiple times; Check logs
Expected Result	All failed attempts are logged.
Validation Criteria	Logs created
Dependencies	Login logging
Notes	Login security

Test Case 55: Test lockout after multiple failed login attempts

Test ID	TC_055
Module	Authentication > Login
Category	Security
Priority	High

Test Type	Negative
Risk Level	High
Estimated Time	5 minutes
Description	Attempt login with wrong password until account is locked.
Objective	Ensure account lockout policy is enforced.
Preconditions	User exists
Test Steps	Attempt login with wrong password repeatedly; Observe lockout
Expected Result	Account is locked after threshold is reached.
Validation Criteria	Account locked
Dependencies	Lockout policy
Notes	Account protection

Test Case 56: Test system response to maximum field values

Test ID	TC_056
Module	Data Validation > Field Validation
Category	Functional
Priority	Medium
Test Type	Boundary
Risk Level	Low
Estimated Time	2 minutes
Description	Enter maximum allowed values for numeric and amount fields.
Objective	Ensure system accepts maximum boundary values.
Preconditions	User on data entry form
Test Steps	Enter max value in numeric field; Enter max value in amount field; Save
Expected Result	System accepts and saves values.
Validation Criteria	No errors
Dependencies	Field validation
Notes	Boundary max

Test Case 57: Test system response to minimum field values

Test ID	TC_057
Module	Data Validation > Field Validation
Category	Functional
Priority	Medium
Test Type	Boundary

Risk Level	Low
Estimated Time	2 minutes
Description	Enter minimum allowed values for numeric and amount fields.
Objective	Ensure system accepts minimum boundary values.
Preconditions	User on data entry form
Test Steps	Enter min value in numeric field; Enter min value in amount field; Save
Expected Result	System accepts and saves values.
Validation Criteria	No errors
Dependencies	Field validation
Notes	Boundary min

Test Case 58: Test rollback of entitlement assignment

Test ID	TC_058
Module	Database Operations > Transaction Management
Category	Integration
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes
Description	Assign entitlement, then rollback transaction and verify no data is saved.
Objective	Ensure rollback works correctly.
Preconditions	DB supports rollback
Test Steps	Begin transaction; Assign entitlement; Rollback transaction; Check DB
Expected Result	No entitlement assignment is saved.
Validation Criteria	No data after rollback
Dependencies	Transaction management
Notes	Transaction rollback

Test Case 59: Test system behavior on slow file upload

Test ID	TC_059
Module	File Processing > Upload
Category	Performance
Priority	Medium
Test Type	Boundary
Risk Level	Low

Estimated Time	10 minutes
Description	Simulate slow upload of entitlement import file.
Objective	Ensure system handles slow uploads gracefully.
Preconditions	Large file; Network throttling
Test Steps	Upload large file slowly; Observe UI and system response
Expected Result	System remains responsive, user is informed of progress.
Validation Criteria	No timeouts; Progress shown
Dependencies	Upload logic
Notes	Upload performance

Test Case 60: Test system behavior on interrupted file upload

Test ID	TC_060
Module	File Processing > Upload
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	5 minutes
Description	Interrupt file upload and check for partial data.
Objective	Ensure no partial data is saved on failed upload.
Preconditions	Large file
Test Steps	Start file upload; Interrupt upload; Check system for partial data
Expected Result	No partial data is saved; error is shown.
Validation Criteria	No partial data
Dependencies	Upload logic
Notes	Upload integrity

Test Case 61: Test system behavior on simultaneous file import and export

Test ID	TC_061
Module	File Processing > Import/Export
Category	Integration
Priority	Medium
Test Type	Positive
Risk Level	Low

Estimated Time	5 minutes
Description	Perform import and export operations at the same time.
Objective	Ensure system can handle concurrent file operations.
Preconditions	Import/export enabled
Test Steps	Start file import; Start file export; Monitor system
Expected Result	Both operations complete successfully.
Validation Criteria	No failures
Dependencies	File processing logic
Notes	Concurrent file ops

Test Case 62: Test system response to invalid configuration value

Test ID	TC_062
Module	Configuration Management > Error Handling
Category	Error Handling
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	2 minutes
Description	Enter invalid value in configuration and save.
Objective	Ensure system validates configuration values.
Preconditions	Admin access to config
Test Steps	Enter invalid value; Save configuration; Observe system response
Expected Result	System rejects invalid value and displays error.
Validation Criteria	Error shown
Dependencies	Config validation
Notes	Config validation

Test Case 63: Test audit log export for compliance review

Test ID	TC_063
Module	Audit and Compliance > Audit Logs
Category	Compliance
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	3 minutes

Description	Export audit logs for a given period and verify content.
Objective	Ensure audit logs can be exported for compliance.
Preconditions	Audit logs exist
Test Steps	Select period; Export logs; Verify file content
Expected Result	Exported file contains accurate log data.
Validation Criteria	Logs match system
Dependencies	Export logic
Notes	Audit export

Test Case 64: Test user guide accessibility from UI

Test ID	TC_064
Module	User Interface > Help
Category	Usability
Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	1 minute
Description	Verify user can access help/user guide from the UI.
Objective	Ensure documentation is accessible to users.
Preconditions	User logged in
Test Steps	Click help/user guide link; Verify guide opens
Expected Result	User guide is displayed in a new tab or modal.
Validation Criteria	Guide accessible
Dependencies	Help link configured
Notes	User documentation

Test Case 65: Test system behavior when adding new country configuration

Test ID	TC_065
Module	Configuration Management > Country Config
Category	Functional
Priority	High
Test Type	Positive
Risk Level	Medium
Estimated Time	5 minutes

Description	Add a new country configuration and verify system behavior.
Objective	Ensure system supports addition of new countries.
Preconditions	Admin access to config
Test Steps	Add new country in config; Assign entitlement for new country; Verify defaults and behavior
Expected Result	System supports new country and applies correct defaults.
Validation Criteria	Defaults applied; No errors
Dependencies	Country config logic
Notes	Internationalization/extensibility