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

Total Test Cases	65	
Categories	Security, Performance, Usability, Boundary, Functional, Error Ha	andling, Integration
Priority Levels	Low, Critical, Medium, High	
Generated On	2025-08-03 16:03:35	

Test Case 1: Successful Corporate User Registration

Test ID	TC_001	
Module	User Management > User Registration	
Category	Functional	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	5 minutes	
Description	Validate that a new corporate user can be registered with valid details and assig	ned to the correct rol
Objective	Ensure user registration works as expected and user is mapped to the correct ro	le/group.
Preconditions	Admin user is logged in; Corporate customer profile exists	
Expected Result	User account is created, user is assigned to the selected role and group, and a	egistration confirmat

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

Action	Select user role	
Step Number	6	
Action	Assign user to group	
Step Number	7	
Action	Click register button	

full_name	Ahmed Youssef
email	ahmed.youssef@company.com
mobile	01012345678
role	Initiator
group	Tax Payment Group

Validation Criteria	User appears in user list; Assigned role and group are correct; Confirmation email is received	d
Dependencies	Corporate customer profile setup	
Notes	Covers basic registration flow for new users.	

Test Case 2: Registration Fails with Invalid Email Format

Test ID	TC_002	
Module	User Management > User Registration	
Category	Functional	
Priority	High	
Test Type	Negative	
Risk Level	Medium	
Estimated Time	3 minutes	
Description	Ensure the system rejects registration attempts with an invalid email address for	nat.
Objective	Verify email format validation works and error is displayed.	
Preconditions	Admin user is logged in	
Expected Result	Registration is blocked, and a clear error message is displayed indicating invalid	email format.

Step Number	1
Action	Navigate to user registration page
Step Number	2

Action	Enter full name
Step Number	3
Action	Enter invalid email address
Step Number	4
Action	Enter mobile number
Step Number	5
Action	Select user role
Step Number	6
Action	Assign user to group
Step Number	7
Action	Click register button

full_name	Mona Khaled
email	mona.khaled@company
mobile	01234567890
role	Approver
group	Universal Collection Group

Validation Criteria	Error message is displayed; User is not created
Dependencies	User registration page available
Notes	Tests input validation for email field.

Test Case 3: Session Timeout After Inactivity

Test ID	TC_003
Module	Authentication > Session Management
Category	Security
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	20 minutes
Description	Check that user session is terminated after the configured period of inactivity.
Objective	Ensure session timeout is enforced for security.
Preconditions	User is logged in; Session timeout is set to 15 minutes

Expected ResultUser is logged out automatically after 15 minutes of inactivity and prompted to log in again.

Test Steps (Actions Only):

Step Number	1
Action	Login to the portal
Step Number	2
Action	Remain inactive for the session timeout period
Step Number	3
Action	Attempt to perform any action

Test Data (Values Only):

username	corporate.user@company.com
password	StrongPass!2024
timeout	15 minutes

Validation Criteria	Session expires after inactivity; User is redirected to login page
Dependencies	Session timeout configuration
Notes	Validates session management and security compliance.

Test Case 4: 2FA Required on Login

Test ID	TC_004
Module	Authentication > Login
Category	Security
Priority	Critical
Test Type	Positive
Risk Level	High
Estimated Time	4 minutes
Description	Ensure that users are required to complete two-factor authentication during login
Objective	Verify 2FA is enforced and login is blocked without successful 2FA.
Preconditions	User account with 2FA enabled exists
Expected Result	User is granted access only after successful 2FA; login is blocked if 2FA fails.

Step Number

Action	Navigate to login page
Step Number	2
Action	Enter username
Step Number	3
Action	Enter password
Step Number	4
Action	Click login button
Step Number	5
Action	Enter 2FA code
Step Number	6
Action	Submit 2FA code

username	fatma.ali@company.com
password	SecurePass2024!
2fa_code	123456

Validation Criteria	2FA prompt appears after password entry; Access is denied if 2FA is incorrect
Dependencies	2FA system operational
Notes	Covers mandatory 2FA enforcement.

Test Case 5: Reject Registration with Duplicate Email

Test ID	TC_005
Module	User Management > User Registration
Category	Functional
Priority	High
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes
Description	Ensure the system does not allow registration with an email address already in us
Objective	Verify uniqueness constraint on email during registration.
Preconditions	User with the test email already exists
Expected Result	Registration is blocked with an error message indicating the email is already in us

Step Number	1
Action	Navigate to user registration page
Step Number	2
Step Number	
Action	Enter full name
Step Number	3
Action	Enter duplicate email address
Step Number	4
Action	Enter mobile number
Otan Namakan	-
Step Number	5
Action	Select user role
Step Number	6
Action	Assign user to group
Step Number	7
Action	Click register button

Test Data (Values Only):

full_name	Sara Adel
email	ahmed.youssef@company.com
mobile	01122334455
role	Verifier
group	Custom Collection Group

Validation Criteria	Error message is displayed; No duplicate user is created
Dependencies	Existing user with same email
Notes	Prevents duplicate user accounts.

Test Case 6: Boundary Test for Mobile Number Length

Test ID	TC_006
Module	User Management > User Registration
Category	Boundary
Priority	Medium
Test Type	Boundary
Risk Level	Low

Estimated Time	4 minutes
Description	Test the mobile number field with minimum and maximum allowed lengths.
Objective	Ensure mobile number field enforces length constraints.
Preconditions	Admin user is logged in
Expected Result	Registration is blocked with an error if the mobile number is shorter than require

Step Number	1
Action	Navigate to user registration page
Step Number	2
Action	Enter full name
Step Number	3
Action	Enter mobile number at minimum allowed length
Step Number	4
Action	Enter email address
Step Number	5
Action	Select user role
Step Number	6
Action	Assign user to group
Step Number	7
Action	Click register button

full_name	Khaled Samir
mobile	0101234567
email	khaled.samir@company.com
role	Releaser
group	Tax Payment Group

Validation Criteria	Error for too short mobile number; Acceptance at minimum valid length
Dependencies	Mobile number field validation rules
Notes	Test with both valid and invalid lengths as separate runs.

Test Case 7: Usability: Clear Button Resets Registration Form

Test ID	TC_007
Module	User Management > User Registration
Category	Usability
Priority	Low
Test Type	Positive
Risk Level	Low
Estimated Time	2 minutes
Description	Verify that clicking the clear button resets all fields in the user registration form.
Objective	Ensure clear button works as expected for usability.
Preconditions	Admin user is logged in
Expected Result	All fields in the registration form are cleared and reset to default values.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to user registration page
Step Number	2
Action	Enter full name
Step Number	3
Action	Enter email address
Step Number	4
Action	Enter mobile number
Step Number	5
Action	Select user role
Step Number	6
Action	Assign user to group
Step Number	7
Action	Click clear button

full_name	Laila Hassan
email	laila.hassan@company.com
mobile	01299887766
role	Initiator

group	Universal Collection Group
Validation Criteria	All fields are empty after clear; No residual data remains
Dependencies	Registration form available
Notes	Improves user experience for data entry.

Test Case 8: Error Message for Missing Mandatory Fields

Test ID	TC_008
Module	User Management > User Registration
Category	Error Handling
Priority	Medium
Test Type	Negative
Risk Level	Medium
Estimated Time	3 minutes
Description	Ensure that registration cannot proceed if mandatory fields are left blank.
Objective	Verify that all mandatory fields are enforced with appropriate error messages.
Preconditions	Admin user is logged in
Expected Result	Registration is blocked with a clear error message indicating that full name is a

Step Number	1
Action	Navigate to user registration page
Step Number	2
Action	Leave full name blank
Step Number	3
Action	Enter email address
Step Number	4
Action	Enter mobile number
Step Number	5
Action	Select user role
Step Number	6
Action	Assign user to group
Step Number	7

Action	Click register button
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full_name	
email	test.user@company.com
mobile	01111222333
role	Verifier
group	Tax Payment Group

Validation Criteria	Error message for missing full name; No user is created
Dependencies	Mandatory field validation rules
Notes	Repeat for other mandatory fields as needed.

Test Case 9: Performance: Registration Under Load

Test ID	TC_009	
Module	User Management > User Registration	
Category	Performance	
Priority	High	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	10 minutes	
Description	Assess system performance when multiple users are registered simultaneously.	
Objective	Ensure registration process remains responsive under load.	
Preconditions	Test environment supports concurrent sessions	
Expected Result	All users are registered successfully within acceptable response time (e.g., <2 s	econds per regist

Test Steps (Actions Only):

Step Number	1
Action	Open multiple registration forms in parallel sessions
Step Number	2
Action	Enter user details in each session
Step Number	3
Action	Submit registration in all sessions concurrently

users	{'full_name': 'User One', 'email': 'user.one@company.com', 'mobile': '01000000	001', 'role': 'Initiator', 'gro
Validation Criteria	All registrations succeed; Response time is within threshold	
Dependencies	Load testing tools; Test environment capacity	
Notes	Simulate at least 3 concurrent registrations.	

Test Case 10: Integration: Profile Update Reflected in Authorization Matrix

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Test ID	TC_010	
Module	User Management > Profile Management	
Category	Integration	
Priority	Medium	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	6 minutes	
Description	Ensure that changes to user role/group in profile are reflected in the authorization	n matrix for workflow
Objective	Validate integration between profile management and authorization matrix.	
Preconditions	User exists and is assigned to a workflow	
Expected Result	User's updated role and group are reflected in the authorization matrix, and the	user is eligible for ne

Step Number	1
Action	Login as admin user
Step Number	2
Action	Navigate to user management
Step Number	3
Action	Select user to update
Step Number	4
Action	Change user role
Step Number	5
Action	Change user group
Step Number	6
Action	Save profile changes

Step Number	7
Action	Navigate to authorization matrix
Step Number	8
Action	Verify updated user role/group in workflow

username	mohamed.saeed@company.com
new_role	Approver
new_group	Universal Collection Group

Validation Criteria	Profile updates are reflected in matrix; User can approve relevant workflows
Dependencies	Authorization matrix integration
Notes	Ensures profile changes impact workflow as expected.

Test Case 11: Successful Tax Payment File Upload and Processing

Test ID	TC_011	
Module	Tax Collection > File Upload	
Category	Functional	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	5 minutes	
Description	Validate that a corporate user can successfully upload a valid tax payment file a	nd the system proces
Objective	Ensure correct file upload, parsing, and transaction creation for valid files.	
Preconditions	User is logged in with tax payment initiation entitlement; Tax Collection module i	s accessible; Valid p
Expected Result	File is uploaded successfully, parsed without errors, transactions are created an	d listed for verificatio

Step Number	1
Action	Navigate to Tax Collection module
Step Number	2
Action	Select file upload option
Step Number	3

Action	Click upload button
Step Number	4
Action	Select payment file from local system
Step Number	5
Action	Submit file for processing
Step Number	6
Action	Review uploaded file summary
Step Number	7
Action	Confirm file processing

username	corpuser1@company.com
file_path	/files/valid_tax_payments.csv
file_type	CSV
file_size	1MB
browser	Chrome
module	Tax Collection

Validation Criteria	File is accepted; Transactions are created; No parsing errors; User receives confirmation
Dependencies	Tax Collection module enabled; Valid file format definition
Notes	Covers standard file upload and processing scenario.

Test Case 12: File Upload with Invalid Format

TC_012	
Custom Collection > File Upload	
Error Handling	
High	
Negative	
Medium	
3 minutes	
Verify that the system rejects files with unsupported formats during custom colle	ction payment initiat
Ensure robust validation and error messages for invalid file formats.	
User is logged in with custom collection initiation entitlement; Custom Collection	module is accessibl
System rejects the file upload, displays a clear error message indicating unsupp	orted file format, and
	Custom Collection > File Upload Error Handling High Negative Medium 3 minutes Verify that the system rejects files with unsupported formats during custom colle Ensure robust validation and error messages for invalid file formats. User is logged in with custom collection initiation entitlement; Custom Collection

Step Number	1
Action	Navigate to Custom Collection module
Step Number	2
Action	Select file upload option
Step Number	3
Action	Click upload button
Step Number	4
Action	Select unsupported file from local system
Step Number	5
Action	Submit file for processing

Test Data (Values Only):

username	corpuser2@company.com
file_path	/files/invalid_format_payments.txt
file_type	txt
file_size	500KB
browser	Firefox
module	Custom Collection

Validation Criteria File is not accepted; Appropriate error message displayed; No transactions created	
Dependencies	File format validation implemented
Notes	Tests error handling for invalid file types.

Test Case 13: API Integration - Fee Retrieval from eFinance

Test ID	TC_013	
Module	Universal Collection > API Integration	
Category	Integration	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	4 minutes	
Description	Validate that the system correctly retrieves and displays transaction fees from th	e eFinance API base
Objective	Ensure accurate fee calculation via external API.	
Preconditions	User is logged in with universal collection initiation entitlement; eFinance API is	available

Step Number	1
Action	Navigate to Universal Collection module
Step Number	2
Action	Enter payment amount
Step Number	3
Action	Trigger fee calculation
Step Number	4
Action	Review displayed fee

Test Data (Values Only):

username	corpuser3@company.com
amount	15000
currency	EGP
api_endpoint	https://api.efinance.com/fees
browser	Edge

Validation Criteria	Fee is displayed; Value matches API response; No errors during API call
Dependencies	eFinance API operational; Correct API credentials
Notes	Validates fee calculation integration.

Test Case 14: API Integration Failure Handling

Test ID	TC_014	
Module	Universal Collection > API Integration	
Category	Error Handling	
Priority	High	
Test Type	Negative	
Risk Level	High	
Estimated Time	3 minutes	
Description	Verify that the system gracefully handles eFinance API downtime and informs the	e user appropriately.
Objective	Ensure proper error handling and user notification when external API is unavaila	ble.
Preconditions	User is logged in with universal collection initiation entitlement; eFinance API is	unavailable

System displays a clear error message	indicating fee retrieval failure due to API	downtime, and preven
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Expected Result

Step Number	1	
Action	Navigate to Universal Collection module	
Step Number	2	
Action	Enter payment amount	
Step Number	3	
Action	Trigger fee calculation	

Test Data (Values Only):

username	corpuser4@company.com
amount	20000
currency	EGP
api_endpoint	https://api.efinance.com/fees
api_status	down
browser	Chrome

Validation Criteria	Error message displayed; No payment initiated; User is informed of the issue
Dependencies	API error simulation capability
Notes	Tests system resilience to external API failures.

Test Case 15: Role-Based Access Control - Unauthorized File Upload Attempt

Test ID	TC_015	
Module	Tax Collection > Access Control	
Category	Security	
Priority	Critical	
Test Type	Negative	
Risk Level	Critical	
Estimated Time	2 minutes	
Description	Ensure that users without the required entitlement cannot upload payment files.	
Objective	Validate RBAC enforcement for file upload actions.	
Preconditions	User is logged in without tax payment initiation entitlement; Tax Collection module is accessible	
Expected Result	File upload option is disabled or hidden, and user cannot proceed with uploading files.	

Step Number	1
Action	Navigate to Tax Collection module
Step Number	2
Action	Attempt to access file upload option

Test Data (Values Only):

username	unauthorizeduser@company.com
role	Viewer
browser	Safari
module	Tax Collection

Validation Criteria	Upload option not accessible; No unauthorized uploads possible
Dependencies	RBAC configuration
Notes	Validates strict access control for sensitive actions.

Test Case 16: 2FA Enforcement on Payment Approval

Test ID	TC_016	
Module	Universal Collection > Security Validation	
Category	Security	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	4 minutes	
Description	Verify that 2FA is enforced during payment approval and only users with valid 2l	A can approve trans
Objective	Ensure strong authentication for critical actions.	
Preconditions	User is logged in with payment approval entitlement; Pending payment is availal	ole for approval
Expected Result	2FA code is validated, payment is approved, and audit log is updated with appro-	val and authentication

Step Number	1
Action	Navigate to Universal Collection module
Step Number	2

Action	Access pending payments	
Step Number	3	
Action	Select payment for approval	
Step Number	4	
Action	Initiate approval process	
Step Number	5	
Action	Enter 2FA code	
Step Number	6	
Action	Submit approval	

username	approver1@company.com
payment_id	UC-20240601-001
2fa_code	654321
browser	Chrome

Validation Criteria	2FA required; Approval succeeds only with valid 2FA; Audit log updated	
Dependencies	2FA service operational; Pending payment exists	
Notes	Ensures compliance with strong authentication requirements.	

Test Case 17: Bulk Verification of Uploaded Payments

Test ID	TC_017	
Module	Custom Collection > Bulk Actions	
Category	Functional	
Priority	High	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	5 minutes	
Description	Validate that users can select and verify multiple uploaded payment transactions	in a single bulk acti
Objective	Ensure bulk verification functionality works as intended.	
Preconditions	User is logged in with verification entitlement; Multiple uploaded payments are p	ending verification
Expected Result	All selected payments are verified in bulk, status is updated, and user receives of	onfirmation for each

Step Number	1
Action	Navigate to Custom Collection module
Step Number	2
Action	Access pending payments list
Step Number	3
Action Select multiple payments	
Step Number	4
Action	Click bulk verify button
Step Number	5
Action	Confirm bulk verification

username	verifier1@company.com
payment_ids	CC-20240601-101, CC-20240601-102, CC-20240601-103
browser	Edge

Validation Criteria	All selected payments verified; Status updated; User receives confirmation
Dependencies	Bulk verification feature enabled; Pending payments available
Notes	Tests efficiency of bulk actions for high-volume users.

Test Case 18: Boundary Test - Maximum File Size for Upload

Test ID	TC_018	
Module	Tax Collection > File Upload	
Category	Boundary	
Priority	Medium	
Test Type	Boundary	
Risk Level	Medium	
Estimated Time	4 minutes	
Description	Verify that the system accepts a file upload at the maximum allowed file size and	rejects files exceed
Objective	Ensure file size validation works at boundary conditions.	
Preconditions	User is logged in with tax payment initiation entitlement; Tax Collection module i	s accessible
Expected Result	File at maximum allowed size is accepted and processed successfully; files exce	eding the limit are re

Step Number	1
Action	Navigate to Tax Collection module
Step Number	2
Action	Select file upload option
Step Number	3
Action Click upload button	
Step Number	4
Action Select file at maximum allowed size	
Step Number	5
Action	Submit file for processing

username	corpuser5@company.com
file_path	/files/max_size_tax_payments.csv
file_type	CSV
file_size	10MB
max_file_size	10MB
browser	Chrome

Validation Criteria	File at limit accepted; Oversized files rejected; Clear error messages
Dependencies	File size validation implemented
Notes	Validates system behavior at file size boundaries.

Test Case 19: Performance Test - Bulk File Upload Processing Time

Test ID	TC_019	
Module	Universal Collection > File Upload	
Category	Performance	
Priority	Medium	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	7 minutes	
Description	Measure the time taken to upload and process a large bulk payment file and ensu	ire it meets perform
Objective	Ensure system can handle large file uploads within acceptable time limits.	
Preconditions	User is logged in with universal collection initiation entitlement; Universal Collection	on module is acces

File is uploaded and processed within 60 seconds, all records are created, and no timeouts or errors

Expected Result

Test Steps (Actions Only):		
Step Number	1	
Action	Navigate to Universal Collection module	
Step Number	2	
Action	Select file upload option	
a. N. I		
Step Number	3	
Action	Click upload button	
Step Number	4	
Action	Select large bulk payment file	
Step Number	5	
Action	Submit file for processing	
Step Number	6	
Action	Measure processing time until completion	

Test Data (Values Only):

username	corpuser6@company.com
file_path	/files/large_bulk_payments.csv
file_type	csv
file_size	9MB
number_of_records	5000
browser	Firefox
performance_threshold	60 seconds

Validation Criteria	Processing time within threshold; No errors or timeouts; All records created
Dependencies	Performance monitoring tools available
Notes	Assesses system scalability for large uploads.

Test Case 20: Usability - Download and Print Receipt in Arabic

Test ID	TC_020
Module	Universal Collection > Receipt Management
Category	Usability
Priority	Low

Test Type	Positive	
Risk Level	Low	
Estimated Time	3 minutes	
Description	Verify that users can download and print payment receipts in Arabic and the con	tent is correctly local
Objective	Ensure multilingual support and correct formatting for receipts.	
Preconditions	User is logged in with receipt access entitlement; Payment transaction is comple	ted
Expected Result	Receipt is downloaded and printed in Arabic, all content is correctly localized, ar	d formatting is prese

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Step Number	1
Action	Navigate to Universal Collection module
Step Number	2
Action	Access completed payments
Step Number	3
Action	Select payment for receipt
Step Number	4
Action	Choose Arabic language option
Step Number	5
Action	Download receipt
Step Number	6
Action	Print receipt

Test Data (Values Only):

rest bata (values only).			
username		corpuser7@company.com	
payment_id		UC-20240601-201	
language		Arabic	
browser		Chrome	
Validation Criteria	Receipt	in Arabic; Correct localization; Proper formatting	
Dependencies	Arabic lo	Arabic localization enabled; Printer configured	
Notes	Validate	Validates multilingual support for end-users.	

Test Case 21: Initiate and Approve Tax Payment with Valid Workflow

Test ID	TC_021	
Module	Tax Collection > Payment Workflow	
Category	Functional	
Priority	Critical	
Test Type	Positive	
Risk Level	Critical	
Estimated Time	8 minutes	
Description	Tests the end-to-end process of initiating and approving a tax payment, ensuring	workflow steps and
Objective	Validate that tax payment workflow executes correctly with proper entitlements a	and approvals.
Preconditions	User is onboarded and assigned to the correct authorization group; Workflow is	configured with initia
Expected Result	Tax payment is successfully initiated, verified, and approved; transaction status	updates to 'Approved

2002 010/20 (2104	
Step Number	1
Action	Navigate to tax collection module
Step Number	2
Action	Select payment initiation option
Step Number	3
Action	Enter payment details
Step Number	4
Action	Submit payment for verification
Step Number	5
Action	Verify payment as authorized verifier
Step Number	6
Action	Approve payment as authorized approver
Step Number	7
Action	Check transaction status in dashboard

tax_type	Income Tax
amount	25000.00
account_number	EG1234567890123456
initiator_username	corp_user1
verifier_username	corp_verifier1

approver_username	corp_approver1
2fa_code	123456

Validation Criteria	All workflow steps completed; Correct entitlements enforced; Audit logs generated
Dependencies	User roles and entitlements configured; Workflow engine operational
Notes	Covers standard workflow for tax payment with multi-level approval.

Test Case 22: Error Handling for Invalid Amount in Custom Collection

Module Custom Collection > Payment Initiation Category Error Handling Priority High Test Type Negative Risk Level High Estimated Time 3 minutes Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is accessible			
Category Error Handling Priority High Test Type Negative Risk Level High Estimated Time 3 minutes Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is	Test ID	TC_022	
Priority High Test Type Negative Risk Level High Estimated Time 3 minutes Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is accessible	Module	Custom Collection > Payment Initiation	
Test Type Negative Risk Level High Estimated Time 3 minutes Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is	Category	Error Handling	
Risk Level High Estimated Time 3 minutes Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is	Priority	High	
Estimated Time 3 minutes Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is	Test Type	Negative	
Description Verifies system validation and error messaging when a non-numeric or negative amount is entered. Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is accessible	Risk Level	High	
Objective Ensure the system rejects invalid payment amounts and provides clear error messages. Preconditions User is logged in with payment initiation privileges; Custom collection module is accessible	Estimated Time	3 minutes	
Preconditions User is logged in with payment initiation privileges; Custom collection module is accessible	Description	Verifies system validation and error messaging when a non-numeric or negative	amount is entered.
	Objective	Ensure the system rejects invalid payment amounts and provides clear error me	ssages.
Expected Result System displays validation error indicating invalid amount; payment is not submitted; no transaction in	Preconditions	User is logged in with payment initiation privileges; Custom collection module is	accessible
	Expected Result	System displays validation error indicating invalid amount; payment is not submi	tted; no transaction i

Test Steps (Actions Only):

Step Number	1
Action	Navigate to custom collection module
Step Number	2
Action	Select payment initiation option
Step Number	3
Action	Enter invalid amount in payment form
Step Number	4
Action	Attempt to submit payment

custom_type	Import Duty
amount	-5000AB

account_number		EG9876543210987654	
initiator_username		corp_user2	
Validation Criteria	Error me	Error message is clear and accurate; No invalid transaction is created	
Dependencies	Validation	Validation logic implemented for amount fields Tests numeric and format validation for payment amount.	
Notes	Tests nu		

Test Case 23: Performance Test for Bulk Approval in Universal Collection

Test ID	TC_023	
Module	Universal Collection > Bulk Approval	
Category	Performance	
Priority	High	
Test Type	Positive	
Risk Level	High	
Estimated Time	10 minutes	
Description	Measures system response time and success rate when approving a large batch	of transactions.
Objective	Validate system performance and stability during bulk approval operations.	
Preconditions	User has bulk approval privileges; At least 100 pending transactions exist	
Expected Result	All selected transactions are approved within 60 seconds; system remains response	nsive; no errors or

Test Steps (Actions Only):

Step Number	1
Action	Navigate to universal collection module
Step Number	2
Action	Access pending transactions grid
Step Number	3
Action	Select all transactions for bulk approval
Step Number	4
Action	Initiate bulk approval action
Step Number	5
Action	Monitor system response and completion time

approver_username	bulk_approver1
transaction_count	100
browser	Chrome
timeout	60 seconds

Validation Criteria	All transactions approved; Operation completes within timeout; No system errors
Dependencies	Bulk approval feature enabled; Sufficient test data in pending state
Notes	Focuses on system scalability and responsiveness under load.

Test Case 24: Database Integrity after Payment Rejection

Test ID	TC_024	
Module	Tax Collection > Payment Workflow	
Category	Integration	
Priority	Critical	
Test Type	Negative	
Risk Level	Critical	
Estimated Time	7 minutes	
Description	Ensures that rejecting a payment updates all related database records correctly	and no orphaned da
Objective	Validate data integrity and status updates after payment rejection.	
Preconditions	User is assigned as verifier or approver; At least one payment is pending verification	ation/approval
Expected Result	Payment status is updated to 'Rejected' in the database; all related audit and wo	rkflow records reflec

Step Number	1
Action	Navigate to tax collection module
Step Number	2
Action	Access pending payments list
Step Number	3
Action	Select a pending payment
Step Number	4
Action	Reject the selected payment
Step Number	5
Action	Query database for payment and related audit records

payment_id	TXP123456
verifier_username	corp_verifier2

Validation Criteria	Database reflects correct status; Audit trail is complete; No orphaned records	
Dependencies	Database access for validation; Audit logging enabled	
Notes	Validates backend data integrity after workflow action.	

Test Case 25: Unauthorized Access Attempt to Entitlement Management

Test ID	TC_025	
Module	Admin > Entitlement Management	
Category	Security	
Priority	Critical	
Test Type	Negative	
Risk Level	Critical	
Estimated Time	2 minutes	
Description	Tests system security by attempting to access sensitive entitlement managemen	t screens as a non-a
Objective	Ensure RBAC prevents unauthorized access to entitlement management.	
Preconditions	User is logged in with standard (non-admin) privileges	
Expected Result	Access is denied; user is shown an authorization error message; no entitlement	data is exposed.

Test Steps (Actions Only):

Step Number	1
Action	Navigate to admin section
Step Number 2	
Action	Attempt to access entitlement management page

username		corp_user3
Validation Criteria	Access i	s blocked; No sensitive data is leaked
Dependencies	RBAC implemented; Entitlement management UI available	
Notes	Covers	security enforcement for admin-only features.

Test Case 26: Boundary Test for Maximum Allowed Payment Amount

Test ID	TC_026	
Module	Universal Collection > Payment Initiation	
Category	Boundary	
Priority	High	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	5 minutes	
Description	Verifies system behavior when initiating a payment at the upper boundary of allo	wed amount.
Objective	Ensure system accepts payment at the maximum allowed limit and processes it	correctly.
Preconditions	User is logged in with payment initiation privileges; Maximum allowed amount is	defined in system co
Expected Result	Payment is accepted and processed successfully; transaction status is 'Initiated'	; no validation errors

Test Steps (Actions Only):

Step Number	1
Action	Navigate to universal collection module
Step Number	2
Action	Select payment initiation option
Step Number	3
Action	Enter maximum allowed amount
Step Number	4
Action	Submit payment
Step Number	5
Action	Verify transaction status

payment_type	Service Fee
amount	1000000.00
account_number	EG1122334455667788
initiator_username	corp_user4

Validation Criteria	Payment is processed at boundary value; No errors or warnings	
Dependencies	System configuration for amount limits	
Notes	Tests upper boundary for payment amount field.	

Test Case 27: API Failure Handling During Fee Retrieval

Test ID	TC_027	
Module	Universal Collection > Fee Calculation	
Category	Integration	
Priority	High	
Test Type	Error	
Risk Level	High	
Estimated Time	4 minutes	
Description	Simulates an external API failure during fee retrieval and verifies system fallback	and error messagin
Objective	Ensure system gracefully handles API downtime and informs the user appropria	tely.
Preconditions	User is logged in with payment initiation privileges; eFinance API is intentionally	made unavailable
Expected Result	System displays an error message indicating fee retrieval failure; payment is not	submitted; user is p

Test Steps (Actions Only):

Step Number	1	
Action	Navigate to universal collection module	
Step Number	2	
Action	Select payment initiation option	
Step Number	3	
Action	Enter payment details	
Step Number	4	
Action	Submit payment to trigger fee retrieval	

payment_type	License Renewal
amount	500.00
account_number	EG5566778899001122
initiator_username	corp_user5

Validation Criteria	User is informed of API failure; No incomplete transaction is created	
Dependencies	eFinance API integration; API can be disabled for testing	
Notes	Validates error handling for external service unavailability.	

Test Case 28: Usability Test for Multilingual Receipt Download

Test ID	TC_028	
Module	Universal Collection > Receipt Management	
Category	Usability	
Priority	Medium	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	6 minutes	
Description	Checks the availability and correctness of downloadable receipts in multiple lang	juages.
Objective	Ensure users can download receipts in their preferred language and content is a	ccurate.
Preconditions	User has completed a successful payment transaction	
Expected Result	Receipts are successfully downloaded in both English and Arabic; all transaction	details are accurate

Test Steps (Actions Only):

Step Number	1
Action	Navigate to completed transactions list
Step Number	2
Action	Select a completed transaction
Step Number	3
Action	Download receipt in English
Step Number	4
Action	Download receipt in Arabic
Step Number	5
Action	Open and review downloaded receipts

Test Data (Values Only):

transaction_id		UCX987654	
user_language_preferences		English, Arabic	
Validation Criteria	Receipts available in both languages; Content is accurate and localized		
Dependencies	Multilingual support enabled; Completed transaction available		
Notes	Covers multilingual usability for receipt downloads.		

Test Case 29: Audit Trail Verification for Entitlement Changes

Test ID	TC_029
Module	Admin > Entitlement Management
Category	Functional
Priority	High
Test Type	Positive
Risk Level	High
Estimated Time	7 minutes
Description	Ensures all changes to user entitlements are logged with complete details for compliance.
Objective	Validate that entitlement changes are fully auditable.
Preconditions	Admin user is logged in; Audit logging is enabled
Expected Result	All entitlement changes are recorded in the audit log with timestamps, admin user details, an

Step Number	1
Action	Navigate to entitlement management page
o. N. I	
Step Number	2
Action	Select a user to modify entitlements
Step Number	3
Action	Change entitlements for the user
Step Number	4
Action	Save changes
Step Number	5
Action	Access audit log viewer
Step Number	6
Action	Search for recent entitlement change entries

admin_username	sys_admin1
target_username	corp_user6
entitlement_changes	Add Universal Collection, Remove Custom Collection

Validation Criteria	Audit log contains complete details; All changes are traceable
Dependencies	Audit log feature operational
Notes	Ensures compliance and traceability for entitlement management.

Test Case 30: Session Timeout Handling During Payment Initiation

Test ID	TC_030	
Module	Universal Collection > Payment Initiation	
Category	Error Handling	
Priority	Medium	
Test Type	Negative	
Risk Level	Medium	
Estimated Time	8 minutes	
Description	Tests system behavior when user session expires during payment initiation.	
Objective	Ensure incomplete payment is not processed and user is prompted to re-authen	ticate.
Preconditions	User is logged in with payment initiation privileges; Session timeout is configured	d (e.g., 5 minutes for
Expected Result	User is logged out after timeout; payment is not submitted; user is redirected to	ogin page and prom

Test Steps (Actions Only):

Step Number	1	
Action	Navigate to universal collection module	
Step Number	2	
Action	Select payment initiation option	
Step Number	3	
Action	Enter payment details	
Step Number	4	
Action	Remain idle until session timeout occurs	
Step Number	5	
Action	Attempt to submit payment after timeout	

payment_type	Utility Bill
amount	750.00
account_number	EG3344556677889900
initiator_username	corp_user7
session_timeout	5 minutes

Validation Criteria	Session expires as configured; No incomplete transaction is processed
Dependencies	Session management configured

Test Case 31: Successful Tax Payment Initiation and Approval Workflow

Test ID	TC 031	
Module	Customer Portal > Tax Collection	
Category	Functional	
Priority	Critical	
Test Type	Positive	
Risk Level	Critical	
Estimated Time	10 minutes	
Description	Validates that a corporate user can initiate a tax payment, and the transaction for	llows the configured
Objective	Ensure tax payment workflow operates as per configuration, including all require	d steps and status u
Preconditions	Corporate user is onboarded and entitled for Tax Collection; Authorization matrix	k is configured for se
Expected Result	Payment is initiated, verified, and approved in sequence; transaction status updates	ates at each stage; a

Test Steps (Actions Only):

Step Number	1
Action	Login to the portal
Step Number	2
Action	Navigate to Tax Collection module
Step Number	3
Action	Select 'Initiate New Payment'
Step Number	4
Action	Enter payment details
Step Number	5
Action	Submit payment for verification
Step Number	6
Action	Login as verifier and verify payment
Step Number	7
Action	Login as approver and approve payment

username_initiator	corpuser1@company.com
username_verifier	verifier1@company.com
username_approver	approver1@company.com
payment_type	Тах
tax_id	EG123456789
amount	50000
currency	EGP
payment_date	05-08-2024
workflow_type	Sequential

Validation Criteria	Transaction status changes at each step; Audit log entries for each action; Integration call	to core banking after a
Dependencies	User entitlement setup; Workflow configuration; Core banking API availability	
Notes	Covers end-to-end workflow and integration	

Test Case 32: Entitlement Misconfiguration - Unauthorized Access Prevention

Test ID	TC_032	
Module	Admin Console > Entitlement Management	
Category	Security	
Priority	High	
Test Type	Negative	
Risk Level	High	
Estimated Time	5 minutes	
Description	Checks that a user without the required entitlement cannot access or initiate Cus	stom Collection paym
Objective	Validate RBAC enforcement for module access and actions.	
Preconditions	User is onboarded but not entitled for Custom Collection; Admin has not assigned	d Custom Collection
Expected Result	User is denied access to Custom Collection module and cannot initiate payment	s; appropriate error r

Step Number	1
Action	Login to the portal
Step Number	2
Action	Attempt to navigate to Custom Collection module
Step Number	3
Action	Attempt to initiate a new payment

username	user2@company.com
password	UserPass456!
module	Custom Collection

Validation Criteria	Access is blocked; Error message is clear; Audit log records unauthorized attempt	
Dependencies	Entitlement configuration	
Notes	Tests RBAC and audit trail for unauthorized access	

Test Case 33: Custom Collection Payment - API Fee Retrieval Integration

Test ID	TC_033	
Module	Customer Portal > Custom Collection	
Category	Integration	
Priority	High	
Test Type	Positive	
Risk Level	High	
Estimated Time	7 minutes	
Description	Validates that the fee is correctly retrieved from the eFinance API based on the	transaction amount o
Objective	Ensure fee calculation is accurate and integration is functional.	
Preconditions	User is entitled for Custom Collection; eFinance API is available	
Expected Result	Fee is retrieved from eFinance API based on amount; fee is displayed to user; p	ayment cannot proc

Step Number	1
Action	Login to the portal
Step Number	2
Action	Navigate to Custom Collection module
Step Number	3
Action	Select 'Initiate New Payment'
Step Number	4
Action	Enter payment details
Step Number	5
Action	Trigger fee retrieval

Step Number	6	
Action	Review calculated fee	

username	customuser@company.com
payment_type	Custom
custom_code	CUST2024
amount	120000
currency	EGP

Validation Criteria	Fee matches API response; Error handling if API fails
Dependencies	eFinance API availability
Notes	Integration point with external system

Test Case 34: Universal Collection - Mandatory Field Validation

Test ID	TC_034	
Module	Customer Portal > Universal Collection	
Category	Functional	
Priority	Medium	
Test Type	Negative	
Risk Level	Medium	
Estimated Time	4 minutes	
Description	Checks that the system enforces mandatory field validation and displays approp	riate error message
Objective	Ensure data integrity and user guidance for incomplete submissions.	
Preconditions	User is entitled for Universal Collection	
Expected Result	System prevents submission; clear error messages are displayed for each miss	ng mandatory field;

Step Number	1
Action	Login to the portal
Step Number	2
Action	Navigate to Universal Collection module
Step Number	3
Action	Select 'Initiate New Payment'

Step Number	4
Action	Leave mandatory fields blank
Step Number	5
Action	Attempt to submit payment

username		universaluser@company.com
fields_left_blank		amount, beneficiary_name
Validation Criteria	All mandatory fields are validated; Error messages are user-friendly	
Dependencies	Field validation rules	
Notes	Validates business rules for data entry	

Test Case 35: Role Mapping and Authorization Matrix Configuration

Test ID	TC_035	
Module	Admin Console > Role Management	
Category	Functional	
Priority	High	
Test Type	Positive	
Risk Level	High	
Estimated Time	6 minutes	
Description	Ensures that admin can create a new role, assign it to a group, and configure ap	proval limits in the a
Objective	Validate admin's ability to manage roles and workflow configurations.	
Preconditions	Admin user is logged into the console	
Expected Result	Role is created and mapped to group; approval limits are set and saved; change	s are reflected in aut

Step Number	1
Action	Navigate to Role Management section
Step Number	2
Action	Create new role
Step Number	3
Action	Assign role to user group

Step Number	4
Action	Set approval limits in authorization matrix
Step Number	5
Action	Save configuration

role_name	HighValueApprover
group_name	FinanceManagers
approval_limit	250000
currency	EGP

Validation Criteria Role appears in group mapping; Approval limits are enforced; Audit log entry for or		Role appears in group mapping; Approval limits are enforced; Audit log entry for configuration
	Dependencies	Admin permissions
	Notes	Critical for workflow and security configuration

Test Case 36: UI Usability - Navigation and Contextual Help

Test ID	TC_036	
Module	Customer Portal > Navigation	
Category	Usability	
Priority	Medium	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	5 minutes	
Description	Validates the intuitiveness of navigation and the availability of contextual help with	nin the portal.
Objective	Ensure users can easily access modules and receive guidance.	
Preconditions	User is onboarded and entitled for all modules	
Expected Result	Navigation is smooth and intuitive; contextual help is available and relevant in each	ch module; no na

Step Number	1
Action	Login to the portal
Step Number	2
Action	Navigate to Tax Collection module
Step Number	3

Action	Access contextual help
Step Number	4
Action	Navigate to Custom Collection module
Step Number	5
Action	Access contextual help

username	usabilityuser@company.com
modules	Tax Collection, Custom Collection

Validation Criteria	Modules are easily accessible; Help content is relevant and available
Dependencies	Contextual help content
Notes	Focus on user experience and guidance

Test Case 37: Boundary Test - Maximum Payment Amount

Test ID	TC_037	
Module	Customer Portal > Tax Collection	
Category	Boundary	
Priority	Medium	
Test Type	Boundary	
Risk Level	Medium	
Estimated Time	4 minutes	
Description	Tests system behavior when a user attempts to initiate a payment at the maximum	ım allowed limit.
Objective	Ensure system enforces upper boundary for payment amount.	
Preconditions	User is entitled for Tax Collection; Maximum amount is defined in system setting	s
Expected Result	Payment is accepted and processed if amount equals maximum limit; error is sh	own if amount exc

Step Number	1
Action	Login to the portal
Step Number	2
Action	Navigate to Tax Collection module
Step Number	3
Action	Select 'Initiate New Payment'

Step Number	4
Action	Enter maximum allowed amount
Step Number	5
Action	Submit payment

username		boundaryuser@company.com
amount		1000000
currency		EGP
tax_id		EG987654321
N. H. J. C.		

Validation Criteria	Boundary is enforced; No off-by-one errors
Dependencies	System configuration for max amount
Notes	Validates upper limit enforcement

Test Case 38: Error Handling - External API Downtime During Fee Retrieval

Test ID	TC_038	
Module	Customer Portal > Custom Collection	
Category	Error Handling	
Priority	High	
Test Type	Negative	
Risk Level	High	
Estimated Time	5 minutes	
Description	Checks system response and error handling when the external fee calculation A	PI is down.
Objective	Ensure graceful error handling and user notification for integration failures.	
Preconditions	User is entitled for Custom Collection; eFinance API is intentionally made unava	ilable
Expected Result	System displays clear error message about API unavailability; payment cannot p	roceed; error is logo

Step Number	1
Action	Login to the portal
Step Number	2
Action	Navigate to Custom Collection module

Step Number	3
Action	Select 'Initiate New Payment'
Step Number	4
Action	Enter payment details
Step Number	5
Action	Trigger fee retrieval

username	erroruser@company.com
amount	50000
currency	EGP
custom_code	CUSTERR2024

Validation Criteria	Error message is user-friendly; No incomplete transaction is created; Error is logged	
Dependencies	eFinance API downtime simulation	
Notes	Critical for integration robustness	

Test Case 39: Performance Test - Bulk Verification of Pending Transactions

Test ID	TC_039	
Module	Customer Portal > Pending Transactions	
Category	Performance	
Priority	Medium	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	8 minutes	
Description	Assesses system performance and responsiveness during bulk verification oper	ations.
Objective	Ensure system can handle bulk actions efficiently without errors or timeouts.	
Preconditions	User is entitled for verification; Multiple payments are pending verification	
Expected Result	All selected transactions are verified in bulk within acceptable response time; no	errors or timeouts o

Step Number	1
Action	Login to the portal

Step Number	2	
Action	Navigate to Pending Transactions	
Step Number	3	
Action	Select multiple pending payments	
Step Number	4	
Action	Initiate bulk verification	
Step Number	5	
Action	Monitor system response time	

username	bulkverifier@company.com
pending_payments	TXN1001, TXN1002, TXN1003, TXN1004, TXN1005

Validation Criteria Bulk action completes successfully; Response time is within SLA; Audit log entry for bulk		erification
Dependencies	Bulk verification feature; Sufficient pending transactions	
Notes	Performance and scalability focus	

Test Case 40: Receipt Download and Multilingual Support

Test ID	TC_040	
Module	Customer Portal > Transaction History	
Category	Usability	
Priority	Low	
Test Type	Positive	
Risk Level	Low	
Estimated Time	3 minutes	
Description	Validates that users can download or print transaction receipts in both supported	l languages.
Objective	Ensure multilingual support and correct receipt formatting.	
Preconditions	User has completed at least one payment transaction	
Expected Result	Receipts are downloaded in both English and Arabic; all details are correctly dis	played and formatted

Step Number	1
Action	Login to the portal
Step Number	2

Action	Navigate to Transaction History	
Step Number	3	
Action	Select a completed transaction	
Step Number	4	
Action	Download receipt in English	
Step Number	5	
Action	Download receipt in Arabic	

username	multilingualuser@company.com
transaction_id	TXN20240805
languages	English, Arabic

Validation Criteria	Receipts are accurate and readable; Language switch is functional
Dependencies	Multilingual receipt templates
Notes	Covers multilingual and print/download features

Test Case 41: Export Tax Collection Report in English as PDF

Test ID	TC_041	
Module	Reporting > Tax Collection Reports	
Category	Functional	
Priority	High	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	5 minutes	
Description	Verify that a corporate user can export a tax collection report in English as a PD	F file.
Objective	Ensure correct report generation and export functionality for tax collection in Eng	lish PDF format.
Preconditions	User is logged in with reporting entitlements; Tax collection transactions exist for	the selected period
Expected Result	A PDF file containing the tax collection summary for the specified date range is	downloaded in Englis

Step Number	1
Action	Navigate to the Tax Collection Reports section
Step Number	2

Action	Select report type	
Step Number	3	
Action	Set date range for report	
Step Number	4	
Action	Choose language option	
Step Number	5	
Action	Select export format	
Step Number	6	
Action	Click export button	

report_type	Tax Collection Summary
date_from	01-06-2024
date_to	30-06-2024
language	English
export_format	PDF

Validation Criteria	Report content matches selected criteria; File is downloadable and opens correctly; Langua	age is English
Dependencies	Tax collection transactions available; User has export permissions	
Notes	Verify PDF formatting and data accuracy.	

Test Case 42: Export Universal Collection Report with Invalid Date Range

Test ID	TC_042	
Module	Reporting > Universal Collection Reports	
Category	Error Handling	
Priority	Medium	
Test Type	Negative	
Risk Level	Low	
Estimated Time	3 minutes	
Description	Test system response when a user attempts to export a report with an invalid da	te range.
Objective	Validate error handling for invalid date inputs during report export.	
Preconditions	User is logged in with reporting access	
Expected Result	System displays an error message indicating the end date cannot be before the	start date, and expo

Step Number	1
Action	Navigate to the Universal Collection Reports section
Step Number	2
Action	Select report type
Step Number	3
Action	Set date range for report
Step Number	4
Action	Choose export format
Step Number	5
Action	Click export button

Test Data (Values Only):

report_type	Universal Collection Detailed
date_from	15-07-2024
date_to	10-07-2024
export_format	Excel

Validation Criteria	Error message is clear and accurate; No file is exported
Dependencies	Date validation logic implemented
Notes	Test for both UI and backend validation.

Test Case 43: Verify Backup of Custom Collection Data

Test ID	TC_043	
Module	Backup and Recovery > Data Backup	
Category	Integration	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	10 minutes	
Description	Ensure that a scheduled backup of custom collection data completes successful	ly and data is stored
Objective	Validate backup process for custom collection data.	
Preconditions	Custom collection data exists; User has backup initiation privileges	
Expected Result	Backup completes successfully, backup file is securely stored, and confirmation	is logged in the audi

Step Number	1
Action	Navigate to the Backup Management section
Step Number	2
Action	Select data module for backup
Step Number	3
Action	Choose backup type
Step Number	4
Action	Set backup schedule
Step Number	5
Action	Initiate backup process

Test Data (Values Only):

data_module	Custom Collection
backup_type	Full
schedule	Immediate

Validation Criteria	Backup file is created and accessible; Audit log entry is generated
Dependencies	Backup service operational; Sufficient storage available
Notes	Test backup integrity in subsequent recovery test.

Test Case 44: Restore Tax Collection Data from Backup

Test ID	TC_044	
Module	Backup and Recovery > Data Recovery	
Category	Functional	
Priority	Critical	
Test Type	Positive	
Risk Level	Critical	
Estimated Time	15 minutes	
Description	Test the ability to restore tax collection data from a previously created backup fil	е.
Objective	Ensure data recovery process works and restores all records accurately.	
Preconditions	Valid backup file exists for tax collection data; User has recovery permissions	
Expected Result	Tax collection data is fully restored from the backup, all records are present and	accurate, and a reco

Step Number	1
Action	Navigate to the Data Recovery section
Step Number	2
Action	Select backup file for restoration
Step Number	3
Action	Confirm restoration action
Step Number	4
Action	Monitor restoration progress
Step Number	5
Action	Verify completion notification

Test Data (Values Only):

backup_file	tax_collection_backup_20240630.zip
Validation Criteria	All records restored; No data loss or corruption; Recovery log entry created
Dependencies	Backup file integrity; Recovery module operational
Notes	Cross-verify restored data with backup contents.

Test Case 45: Cross-Platform Export of Custom Collection Report

Test ID	TC_045	
Module	Reporting > Custom Collection Reports	
Category	Performance	
Priority	High	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	20 minutes	
Description	Verify that the custom collection report export works correctly on multiple browse	ers and operating sys
Objective	Ensure cross-platform compatibility of report export functionality.	
Preconditions	User has access to custom collection reports; Custom collection data exists	
Expected Result	Report is exported successfully in Excel format on all tested platforms and brown	sers, with consistent

Step Number

Action	Open the application on the selected platform and browser	
Step Number	2	
Action	Navigate to Custom Collection Reports section	
Step Number	3	
Action	Select report type	
Step Number	4	
Action	Set date range	
Step Number	5	
Action	Choose export format	
Step Number	6	
Action	Click export button	

platforms	Windows 11, macOS Ventura, Ubuntu 22.04
browsers	Chrome 125, Firefox 115, Edge 123
report_type	Custom Collection Summary
date_from	01-07-2024
date_to	10-07-2024
export_format	Excel

Validation Criteria	Export works on all platforms; File content and format are identical	
Dependencies	Application supports all listed browsers and OS; Network connectivity	
Notes	Compare exported files across platforms for discrepancies.	

Test Case 46: Unauthorized User Attempts Data Backup

Test ID	TC_046
Module	Backup and Recovery > Data Backup
Category	Security
Priority	High
Test Type	Negative
Risk Level	High
Estimated Time	3 minutes
Description	Test that a user without backup privileges cannot initiate a backup operation.
Objective	Ensure proper enforcement of backup privileges.

Preconditions User is logged in without backup permissions		User is logged in without backup permissions	
	Expected Result	User is denied access to backup functionality, and an appropriate error or acces	s denied message is

Step Number	1	
Action	Navigate to the Backup Management section	
Step Number	2	
Action	Attempt to select data module for backup	
Step Number	3	
Action	Attempt to initiate backup process	

Test Data (Values Only):

user_role		Standard Corporate User
data_module		Universal Collection
Validation Criteria	Access i	s denied; No backup is initiated; Error message is clear
Dependencies	RBAC implemented for backup operations	
Notes	Check audit logs for unauthorized attempt.	

Test Case 47: Performance of Bulk Report Export

Test ID	TC_047	
Module	Reporting > Bulk Export	
Category	Performance	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	15 minutes	
Description	Measure the system's ability to handle bulk export of multiple governmental pay	nent reports.
Objective	Validate system performance and stability during bulk export operations.	
Preconditions	User has bulk export privileges; Multiple report types available	
Expected Result	All selected reports are exported successfully within acceptable time limits, with	no data loss or syste

Step Number

Action	Navigate to the Bulk Export section	
Ston Number	2	
Step Number	2	
Action	Select multiple report types	
Step Number	3	
Action	Set date range for all reports	
Step Number	4	
Action	Choose export format	
Step Number	5	
Action	Initiate bulk export	
Step Number	6	
Action	Monitor export progress	

report_types	Tax Collection, Custom Collection, Universal Collection
date_from	01-06-2024
date_to	30-06-2024
export_format	PDF

Validation Criteria	All reports exported; Export completes within 2 minutes; No errors or timeouts
Dependencies	Bulk export feature enabled; Sufficient system resources
Notes	Monitor system resource usage during export.

Test Case 48: Usability of Data Export Interface for New Users

Test ID	TC_048	
Module	Reporting > Export UI	
Category	Usability	
Priority	Medium	
Test Type	Positive	
Risk Level	Medium	
Estimated Time	7 minutes	
Description	Assess the usability of the report export interface for a first-time user.	
Objective	Ensure the export UI is intuitive and user-friendly.	
Preconditions	User account is newly created with reporting access	
Expected Result	User is able to easily locate and use the export feature without confusion, and the	e report is exported

Step Number	1
Action	Log in as a new user
Step Number	2
Action	Navigate to the Reports section
Step Number	3
Action	Attempt to locate export options
Step Number	4
Action	Select report type and date range
Step Number	5
Action	Export the report

Test Data (Values Only):

user_type	First-time Corporate User
report_type	Tax Collection
date_from	01-07-2024
date_to	07-07-2024
export_format	PDF

Validation Criteria	No user confusion or errors; Export completes successfully
Dependencies	Export UI is deployed; User onboarding completed
Notes	Observe user interaction for possible UI improvements.

Test Case 49: Boundary Test: Export Report with Maximum Date Range

Test ID	TC_049	
Module	Reporting > Date Range Validation	
Category	Boundary	
Priority	High	
Test Type	Boundary	
Risk Level	Medium	
Estimated Time	12 minutes	
Description	Test system behavior when exporting a report with the maximum permitted date	rang

Objective	Validate system's ability to handle large data exports within boundary limits.		
Preconditions	User has reporting access; Sufficient data exists for the full date range		
Expected Result	Report is exported successfully with all data for the maximum date range, no tru	ncation or	errors occ

Step Number	1
Action	Navigate to the Reports section
Step Number	2
Action	Select report type
Step Number	3
Action	Set date range to maximum allowed
Step Number	4
Action	Choose export format
Step Number	5
Action	Click export button

Test Data (Values Only):

report_type	Universal Collection
date_from	01-01-2023
date_to	31-12-2024
export_format	Excel

Validation Criteria	All data included; No export errors or timeouts
Dependencies	System supports large data exports; Export limits configured
Notes	Monitor system performance during export.

Test Case 50: Security Test: Export Attempt Without 2FA

Test ID	TC_050
Module	Reporting > Export Security
Category	Security
Priority	Critical
Test Type	Negative
Risk Level	Critical
Estimated Time	4 minutes

Description Test that a user cannot export reports without completing two-factor author	
Objective Ensure 2FA enforcement before allowing report export.	
Preconditions User account requires 2FA for sensitive actions; 2FA is not completed	
Expected Result	Export is blocked and user is prompted to complete 2FA before proceeding.

Step Number	1
Action	Log in without completing 2FA
Step Number	2
Action	Navigate to the Reports section
Step Number	3
Action	Select report type and date range
Step Number	4
Action	Attempt to export report

Test Data (Values Only):

user_role	Corporate Admin
report_type	Tax Collection
date_from	01-06-2024
date_to	30-06-2024
export_format	PDF
2fa_status	Not Completed

Validation Criteria	Export is blocked; User receives 2FA prompt
Dependencies	2FA is enforced for report export
Notes	Test with both SMS and authenticator app 2FA methods.

Test Case 51: Successful Corporate User Registration

Test ID	TC_051
Module	User Management > User Registration
Category	Functional
Priority	Critical
Test Type	Positive
Risk Level	High

Estimated Time	5 minutes	
Description	Verify that a corporate user can successfully register by providing all required in	ormation with valid o
Objective	Ensure that the registration process works as expected for valid input and create	s a new user profile.
Preconditions	User is not already registered; Registration page is accessible	
Expected Result	User account is created successfully, confirmation email is sent, and user is redi	rected to the login pa

Step Number 1 Action Navigate to the registration page Step Number 2 Action Enter full name Step Number 3 Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password		
Step Number 2 Action Enter full name Step Number 3 Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Step Number	1
Action Enter full name Step Number 3 Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Action	Navigate to the registration page
Action Enter full name Step Number 3 Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password		
Step Number 3 Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Step Number	2
Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Action	Enter full name
Action Enter corporate email address Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password		
Step Number 4 Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Step Number	3
Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Action	Enter corporate email address
Action Enter mobile number Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password		
Step Number 5 Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Step Number	4
Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password	Action	Enter mobile number
Action Select user role from dropdown Step Number 6 Action Set password Step Number 7 Action Confirm password		
Step Number 6 Action Set password Step Number 7 Action Confirm password	Step Number	5
Action Set password Step Number 7 Action Confirm password	Action	Select user role from dropdown
Action Set password Step Number 7 Action Confirm password		
Step Number 7 Action Confirm password	Step Number	6
Action Confirm password	Action	Set password
Action Confirm password		
	Step Number	7
	Action	Confirm password
Step Number 8	Step Number	8
Action Click register button	Action	Click register button

Test Data (Values Only):

full_name	Ahmed Mostafa
email	ahmed.mostafa@company.com
mobile	01234567890
role	Corporate Initiator
password	StrongPass!2024
confirm_password	StrongPass!2024
browser	Chrome
url	https://vtransact.eg/register

Validation Criteria	User profile is created in the database; Confirmation email is received; Success message	e is shown	
Dependencies	Email service operational; Registration page deployed		
Notes	Covers standard registration workflow for new corporate users.		

Test Case 52: Registration with Invalid Email Format

Test ID	TC_052	
Module	User Management > User Registration	
Category	Functional	
Priority	High	
Test Type	Negative	
Risk Level	Medium	
Estimated Time	3 minutes	
Description	Check that the system validates email format and prevents registration with an i	nvalid email.
Objective	Ensure email field validation is enforced during registration.	
Preconditions	Registration page is accessible	
Expected Result	Registration is blocked, and a clear error message is displayed indicating invalid	email format. No a

Step Number	1
Action	Navigate to the registration page
Step Number	2
Action	Enter full name
Step Number	3
Action	Enter invalid email address
Step Number	4
Action	Enter mobile number
Step Number	5
Action	Select user role from dropdown
Step Number	6
Action	Set password
Step Number	7
Action	Confirm password

Step Number	8
Action	Click register button

full_name	Sara Khaled
email	sara.khaled@company
mobile	01122334455
role	Corporate Approver
password	Password@2024
confirm_password	Password@2024
browser	Firefox
url	https://vtransact.eg/register

Validation Criteria	Error message is shown for invalid email; No user account is created
Dependencies	Registration page deployed
Notes	Validates frontend and backend email format checks.

Test Case 53: Session Timeout After Inactivity

Test ID	TC_053	
Module	Authentication > Session Management	
Category	Security	
Priority	Critical	
Test Type	Positive	
Risk Level	High	
Estimated Time	18 minutes	
Description	Check if the user is automatically logged out after the configured session timeout	t period due to inac
Objective	Ensure session management enforces automatic logout for security compliance.	
Preconditions	User is logged in; Session timeout is set to 15 minutes	
Expected Result	User is automatically logged out after 15 minutes of inactivity. Any action prompt	s a login screen an

Step Number	1	
Action	Login to the portal	
Step Number	2	
Action	Remain inactive for the session timeout period	

Step Number	3
Action	Attempt to perform any action after timeout

username	mona.hassan@company.com
password	MonaPass#2024
browser	Edge
url	https://vtransact.eg/login
timeout	15 minutes

Validation Criteria	Session is terminated after timeout; User is redirected to login screen
Dependencies	Session management configured
Notes	Validates compliance with security requirements for session handling.

Test Case 54: Login Attempt with Incorrect Password

Test ID	TC_054	
Module	Authentication > Login	
Category	Security	
Priority	High	
Test Type	Negative	
Risk Level	High	
Estimated Time	2 minutes	
Description	Verify that the system rejects login attempts with incorrect credentials and displa	ys an appropriate er
Objective	Ensure login security by preventing unauthorized access.	
Preconditions	User account exists	
Expected Result	Login is denied, and a clear error message is displayed indicating incorrect cred	entials. No session is

Step Number	1	
Action	Navigate to login page	
Step Number	2	
Action	Enter valid username	
Step Number	3	
Action	Enter incorrect password	

Step Number	4
Action	Click login button

username	youssef.ali@company.com
password	WrongPass123
browser	Chrome
url	https://vtransact.eg/login

Valida	tion Criteria	Error message is shown for wrong password; No session is created
Depen	ndencies	User account exists
Notes		Tests password validation and error messaging.

Test Case 55: Mandatory Field Validation During Registration

Test ID	TC_055	
Module	User Management > User Registration	
Category	Functional	
Priority	Medium	
Test Type	Negative	
Risk Level	Medium	
Estimated Time	3 minutes	
Description	Verify that the system enforces mandatory field validation and prevents registrat	ion if required fields
Objective	Ensure data integrity by requiring all mandatory fields during registration.	
Preconditions	Registration page is accessible	
Expected Result	Registration is blocked, and an error message is displayed indicating that the ful	I name is required. N

Step Number	1
Action	Navigate to the registration page
Step Number	2
Action	Leave full name field blank
Step Number	3
Action	Enter email address
Step Number	4

Action	Enter mobile number		
Step Number	5		
Action	Select user role from dropdown		
Step Number	6		
Action	Set password		
Step Number	7		
Action	Confirm password		
Step Number	8		
Action	Click register button		

full_name	
email	laila.samir@company.com
mobile	01099887766
role	Verifier
password	LailaPass!2024
confirm_password	LailaPass!2024
browser	Safari
url	https://vtransact.eg/register

Validation Criteria	Error message for missing mandatory field; No user account is created
Dependencies	Registration page deployed
Notes	Validates mandatory field enforcement.

Test Case 56: Password Complexity Enforcement During Registration

Test ID	TC_056	
Module	User Management > User Registration	
Category	Security	
Priority	High	
Test Type	Negative	
Risk Level	High	
Estimated Time	3 minutes	
Description	Verify that the system enforces password complexity rules and prevents registra	tion with a weak pa
Objective	Ensure strong password policies are enforced for user accounts.	

Preconditions	Registration page is accessible			
Expected Result	Registration is blocked, and an error message is displayed indicating password	does not	meet	comp

reat etape (National emy).		
Step Number	1	
Action	Navigate to the registration page	
Step Number	2	
Action	Enter full name	
Step Number	3	
Action	Enter email address	
Step Number	4	
Action	Enter mobile number	
Step Number	5	
Action	Select user role from dropdown	
Step Number	6	
Action	Set weak password	
Step Number	7	
Action	Confirm password	
Step Number	8	
Action	Click register button	

Test Data (Values Only):

full_name	Omar Fathy
email	omar.fathy@company.com
mobile	01211223344
role	Releaser
password	12345
confirm_password	12345
browser	Chrome
url	https://vtransact.eg/register

Validation Criteria	Error message for weak password; No user account is created
Dependencies	Password policy configured
Notes	Tests password policy enforcement.

Test Case 57: Profile Update with Valid Data

Test ID	TC_057
Module	User Management > Profile Management
Category	Functional
Priority	Medium
Test Type	Positive
Risk Level	Low
Estimated Time	2 minutes
Description	Verify that a user can successfully update their profile details with valid data.
Objective	Ensure profile update functionality works as expected for valid input.
Preconditions	User is logged in
Expected Result	Profile is updated successfully, and a confirmation message is displayed. Char

Test Steps (Actions Only):

Step Number	1	
Action	Navigate to profile management page	
Step Number	2	
Action	Edit full name	
Step Number	3	
Action	Edit mobile number	
Step Number	4	
Action	Click save changes button	

Test Data (Values Only):

full_name	Omar Fathy ElSayed
mobile	01233445566
browser	Edge
url	https://vtransact.eg/profile

Validation Criteria	Profile data is updated in the database; Success message is shown
Dependencies	User profile exists
Notes	Covers standard profile update scenario.

Test Case 58: Profile Update with Invalid Mobile Number

Test ID	TC_058	
Module	User Management > Profile Management	
Category	Functional	
Priority	Medium	
Test Type	Negative	
Risk Level	Medium	
Estimated Time	2 minutes	
Description	Check that the system validates mobile number format and prevents profile updates	ate if the number is ir
Objective	Ensure data validation for profile fields.	
Preconditions	User is logged in	
Expected Result	Profile update is blocked, and an error message is displayed indicating invalid m	obile number format

Test Steps (Actions Only):

Step Number	1
Action	Navigate to profile management page
Step Number	2
Action	Edit mobile number with invalid format
Step Number	3
Action	Click save changes button

Test Data (Values Only):

mobile	123abc
browser	Firefox
url	https://vtransact.eg/profile

Validation Criteria	Error message for invalid mobile number; No profile changes are saved
Dependencies	User profile exists
Notes	Validates input format for mobile number.

Test Case 59: 2FA Authentication During Login

Test ID	TC_059
Module	Authentication > 2FA Verification
Category	Security
Priority	Critical

Test Type	Positive	
Risk Level	High	
Estimated Time	4 minutes	
Description	Verify that the system enforces two-factor authentication after successful creder	tial entry.
Objective	Ensure enhanced security through 2FA during login.	
Preconditions	User account is enabled for 2FA	
Expected Result	User is authenticated and logged in successfully. Dashboard is displayed, and s	ession is established

Step Number	1
Action	Navigate to login page
Step Number	2
Action	Enter valid username
Step Number	3
Action	Enter valid password
Step Number	4
Action	Click login button
Step Number	5
Action	Enter 2FA code received via SMS
Step Number	6
Action	Click verify button

Test Data (Values Only):

username	fatma.hassan@company.com
password	FatmaPass2024!
2fa_code	856321
browser	Chrome
url	https://vtransact.eg/login

Validation Criteria	2FA code is required and validated; User is logged in after successful 2FA
Dependencies	2FA service operational
Notes	Validates 2FA enforcement for secure login.

Test Case 60: Performance of Registration Form Submission

Test ID	TC_060	
Module	User Management > User Registration	
Category	Performance	
Priority	Medium	
Test Type	Boundary	
Risk Level	Medium	
Estimated Time	3 minutes	
Description	Assess the performance of the registration process to ensure it meets acceptable	e response time crite
Objective	Ensure registration form submission is performant and does not degrade user ex	rperience.
Preconditions	Registration page is accessible; Normal system load	
Expected Result	Registration form submission completes within 2 seconds, and user receives con	nfirmation of success

Step Number	1
Action	Navigate to the registration page
Step Number	2
Action	Enter full name
Step Number	3
Action	Enter email address
Step Number	4
Action	Enter mobile number
Step Number	5
Action	Select user role from dropdown
Step Number	6
Action	Set password
Step Number	7
Action	Confirm password
Step Number	8
Action	Click register button and measure response time

Test Data (Values Only):

full_name	Hossam Tarek
email	hossam.tarek@company.com
mobile	01055667788

role	Corporate Initiator
password	HossamPass@2024
confirm_password	HossamPass@2024
browser	Chrome
url	https://vtransact.eg/register

Validation Criteria	Form submission response time is ≤ 2 seconds; User is registered successfully	
Dependencies	Performance monitoring tools available	
Notes	Tests system responsiveness under normal conditions.	

Test Case 61: Successful Upload and Processing of Bulk Payment File in Tax Collection Module

Test ID	TC_061	
Module	Tax Collection > File Upload & Document Processing	
Category	Functional	
Priority	Critical	
Test Type	Positive	
Risk Level	Critical	
Estimated Time	10 minutes	
Description	Validate that a corporate user can successfully upload a valid bulk payment file,	and the system proc
Objective	Ensure file upload, parsing, and processing work as expected for valid files in th	e Tax Collection mod
Preconditions	User is logged in with appropriate entitlements for Tax Collection; Bulk payment	file is prepared in the
Expected Result	File is uploaded successfully, all records are validated and processed, a summa	ry of successful and

Step Number	1	
Action	Navigate to the Tax Collection module	
Step Number	2	
Action	Select the bulk payment upload option	
Step Number	3	
Action	Click the upload button	
Step Number	4	
Action	Select the bulk payment file from local storage	
Step Number	5	

Action	Submit the file for processing
Step Number	6
Action	Review the processing summary displayed

userna	ame	corp_user1@company.com	
file_na	ame	bulk_tax_payments_2024_07.csv	
file_fo	ormat	CSV	
record	ds	{'taxpayer_id': 'EG1234567890', 'amount': '15000.00', 'due_date': '15-07-2024'},	{'taxpayer_id': 'EG0987
brows	ser	Chrome	
url		https://vtransact.eg/tax/bulk-upload	

Validation Criteria	File accepted and parsed; All valid records processed; Processing summary displayed; Re	cords visible in pending
Dependencies	Tax Collection module enabled; User has bulk upload entitlement	
Notes	Test with a valid file containing multiple records to verify end-to-end processing.	

Test Case 62: API Integration - Fee Retrieval via eFinance API for Custom Collection

Test ID	TC_062	
Module	Custom Collection > API Integration	
Category	Integration	
Priority	High	
Test Type	Positive	
Risk Level	High	
Estimated Time	5 minutes	
Description	Verify that the system correctly retrieves and displays transaction fees from the	eFinance API base
Objective	Ensure external API integration for fee retrieval works and displays accurate fee	s.
Preconditions	User is logged in with access to Custom Collection; eFinance API is available	
Expected Result	System sends a request to the eFinance API, receives the correct fee for the en	tered amount, and

Step Number	1
Action	Navigate to the Custom Collection module
Step Number	2
Action	Initiate a new payment transaction

Step Number	3	
Action	Enter payment amount	
Step Number	4	
Action	Proceed to fee calculation step	
Step Number	5	
Action	Review the displayed transaction fee	

username	custom_user@company.com
amount	50000.00
currency	EGP
api_endpoint	https://api.efinance.eg/fees
browser	Firefox
url	https://vtransact.eg/custom/initiate

Validation Criteria	API call is made with correct parameters; Fee is retrieved and displayed accurately	
Dependencies	eFinance API operational; User has payment initiation entitlement	
Notes	Monitor API response time and correctness of fee calculation.	

Test Case 63: Security Validation - Unauthorized Access Attempt to Admin Entitlement Management

Test ID	TC_063	
Module	Admin > Entitlement Management	
Category	Security	
Priority	Critical	
Test Type	Negative	
Risk Level	Critical	
Estimated Time	3 minutes	
Description	Ensure that users without admin privileges cannot access or modify entitlement	settings.
Objective	Validate RBAC implementation and prevent unauthorized access to sensitive ad	min functions.
Preconditions	User is logged in with non-admin role	
Expected Result	Access is denied at both navigation and modification attempts, with a clear error	message indicating

Step Number	1
Action	Navigate to the admin section
Step Number	2
Action	Attempt to access the Entitlement Management page
Step Number	3
Action	Try to modify an existing entitlement

username	regular_user@company.com
role	CorporateUser
target_entitlement	TaxCollectionApproval
browser	Edge
url	https://vtransact.eg/admin/entitlements

Validation Criteria	Unauthorized access is blocked; No entitlement changes possible; Error message is clear	and user-friendly
Dependencies	RBAC configured; Non-admin user exists	
Notes	Test both UI and direct URL access to ensure robust access control.	

Test Case 64: Performance - File Upload Timeout Handling in Universal Collection

Test ID	TC_064	
Module	Universal Collection > File Upload	
Category	Performance	
Priority	Medium	
Test Type	Boundary	
Risk Level	Medium	
Estimated Time	7 minutes	
Description	Check system behavior when uploading a file that exceeds the processing timed	out threshold.
Objective	Ensure the system gracefully handles file uploads that take too long and provide	s appropriate feedba
Preconditions	User is logged in with Universal Collection access	
Expected Result	System detects the upload timeout, aborts the process, displays a timeout error	message, and does

Step Number	1
Action	Navigate to the Universal Collection module

Step Number	2
Action	Select the file upload option
Step Number	3
Action	Click the upload button
Step Number	4
Action	Select a large file from local storage
Step Number	5
Action	Submit the file for upload

username	uni_user@company.com
file_name	large_universal_collection_2024_07.csv
file_size	150MB
file_format	CSV
browser	Chrome
url	https://vtransact.eg/universal/upload
timeout_threshold	60 seconds

Validation Criteria	Timeout is enforced; User receives clear feedback; No partial processing occurs
Dependencies	Timeout threshold configured; Large test file available
Notes	Test with a file size intentionally above the threshold to trigger timeout.

Test Case 65: Usability - Error Handling for Invalid File Format During Payment Upload

Test ID	TC_065	
Module	Tax Collection > File Upload & Document Processing	
Category	Usability	
Priority	Low	
Test Type	Negative	
Risk Level	Low	
Estimated Time	3 minutes	
Description	Verify that the system detects and handles uploads of unsupported file formats v	with clear error mess
Objective	Ensure robust error handling and user guidance for invalid file uploads.	
Preconditions	User is logged in with file upload permissions	
Expected Result	System rejects the upload, displays a clear error message specifying the support	ted formats, and doe

Step Number	1			
Action	Navigate to the Tax Collection module			
Step Number	2			
Action	Select the bulk payment upload option			
Step Number	3			
Action	Click the upload button			
Step Number	4			
Action	Select a file with an unsupported format from local storage			
Step Number	5			
Action	Submit the file for upload			

Test Data (Values Only):

username	corp_user2@company.com
file_name	invalid_format_bulk_payments_2024_07.txt
file_format	TXT
browser	Safari
url	https://vtransact.eg/tax/bulk-upload

Validation Criteria	Invalid format is detected; User receives actionable error message; No processing of invalid	d files
Dependencies	File format validation implemented	
Notes	Test with a .txt file to verify error handling and user guidance.	