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Manual Test Plan & Approach for Scopex Money

Test Approach

This manual test plan outlines the testing strategy for three key functionalities of Scopex Money User Registration, Adding a Recipient, and Logout. The approach includes identifying key test scenarios, defining test data requirements, determining expected outcomes, specifying the test environment, and documenting assumptions, risks, and constraints.

Key Test Scenarios

1. User Registration

Positive Scenarios

- Successful registration with valid inputs.
- User is redirected to the dashboard upon successful registration.

Negative Scenarios

- **Invalid Email Format** Attempt registration with an improperly formatted email (e.g., "user@domain").
- **Email Already Registered** Use an email that is already associated with an existing account.
- **Weak Password** Attempt to register with a password that does not meet security criteria (e.g., too short or lacking special characters).
- **Missing Required Fields** Leave mandatory fields blank (e.g., name or email).
- **Non-Matching Passwords** Enter different values in the password and confirm password fields.
- **Terms and Conditions Not Accepted** Attempt registration without agreeing to the terms and conditions.
- **KYC Document Issues** Submit invalid or incomplete KYC documents if required.

2. Adding a Recipient

Positive Scenarios

- Successful addition of a recipient with valid details.
- Recipient appears in the recipient list after addition.

Negative Scenarios

- **Duplicate Recipient** Attempt to add a recipient that already exists in the recipient list.
- **Invalid Recipient Details** Input invalid data such as incorrect email format or missing required fields (e.g., name).
- **Exceeding Character Limits** Enter names or details that exceed specified character limits.

- **Network Issues** Simulate network failure during the addition process to check error handling.
- **Unauthorized Access** Attempt to add a recipient without proper user permissions (if applicable).
- **KYC Compliance Failures** Try adding a recipient without providing necessary documentation if required by regulations.

3. Logout

Positive Scenarios

- Successful logout redirects to the login screen.

Negative Scenarios

- **Session Timeout** Attempt to log out after a session timeout to ensure proper handling.
- **Concurrent Session Logout** Log out from one device while being logged in on another and check session management.
- **Access Restricted Pages Post Logout** Try accessing previously visited pages after logout to ensure session termination.
- **Logout Without Being Logged In** Attempt to log out when not logged in and verify appropriate error handling.

Non-Functional Testing

Performance Testing

Load Testing

- Assess system performance under load during peak transaction times (e.g., multiple users registering simultaneously).

Expected Outcome

- System should handle concurrent registrations without significant delays or failures.

Response Time Measurement

- Measure response time for registration and recipient addition processes.

Expected Outcome

- Response times should be within acceptable limits (e.g., under 3 seconds for user actions).

Security Testing

Data Protection Validation

- Validate user data protection measures against unauthorized access (e.g., SQL injection, XSS).

Expected Outcome

- No vulnerabilities should be found; user data must remain secure.

Session Management Testing

- Ensure that sessions are properly managed and terminated upon logout.

Expected Outcome

- Users should not be able to access their account after logging out.

Usability Testing

Interface Evaluation

- Evaluate the user interface for intuitiveness and ease of navigation based on user feedback.

Expected Outcome

- Users should find the interface easy to navigate with clear instructions.

Help and Support Accessibility

- Ensure that help and support features are accessible as described in the FAQs.

Expected Outcome

- Users should be able to easily find help resources when needed.

Test Data Requirements

Valid Data Requirements

1. User Registration

- Valid email addresses (e.g., user@example.com)
- Strong passwords (at least 8 characters, including uppercase, lowercase, numbers, and special characters)
- Personal details (full name, date of birth)
- KYC documents (valid ID proof, address proof)

2. Adding a Recipient

- Valid recipient names (e.g., John Doe)
- Valid email addresses (e.g., recipient@example.com)
- Payment details (bank account information, if applicable)
- Any required documentation for compliance with KYC regulations

3. Logout

- No specific data required; use any logged-in user account for testing logout functionality.

Invalid Data Requirements

1. User Registration

- Invalid email formats (e.g., "user@domain", "user.com")
- Weak passwords (e.g., "password", "12345678")
- Missing required fields (e.g., leaving name or email blank)
- Non-matching passwords (e.g., "Password123" vs. "Password321")
- KYC documents that are expired or do not meet requirements.

2. Adding a Recipient

- Duplicate recipient names or emails already in the system.
- Invalid recipient names (e.g., special characters like "@#\$%").
- Missing required fields when adding a recipient (e.g., leaving name blank).
- Exceeding character limits for names or details (if applicable).

3. Logout

- No specific invalid data scenarios applicable; focus on session management issues as described in negative scenarios.

Expected Outcomes

1. User Registration

- Successful registration redirects to the dashboard with a confirmation message.
- Appropriate error messages are displayed for invalid inputs.

- User receives a confirmation email as part of the registration process.

2. Adding a Recipient

- The recipient is successfully added and visible in the recipient list without errors.
- Error messages are displayed for invalid or duplicate entries.

3. Logout

- User is redirected to the login screen after logout.
- Access to previous sessions is denied post-logout.

Test Environment

- **Devices** Desktop (Windows, macOS), Mobile (iOS, Android)
- **Browsers** Chrome, Firefox, Safari
- **OS Versions** Latest versions of supported operating systems
- **Network Conditions** Stable internet connection for testing functionalities
- **Testing Tools**
 - **Performance testing tools** (e.g., JMeter or LoadRunner)
 - **Security testing tools** (e.g., OWASP ZAP or Burp Suite)
 - **Usability testing tools** (e.g., UserTesting)

Effort Schedule Estimation

Activity	Estimated Effort (Hours)	Start Date	End Date	Responsible Team Members
Test Planning	8	Feb 02, 2025	Feb 03, 2025	QA Lead
Test Design	16	Feb 04, 2025	Feb 06, 2025	QA Engineers
Test Data Preparation	8	Feb 07, 2025	Feb 08, 2025	QA Engineers
Test Execution	40	Feb 09, 2025	Feb 16, 2025	QA Engineers
Defect Reporting & Management	12	Feb 17, 2025	Feb 18, 2025	QA Engineers
Test Closure	4	Feb 19, 2025	Feb 20, 2025	QA Lead
Total Estimated Effort	88 Hours			

Out of Scope

The following items are considered out of scope for this test plan

Third-party Integrations

- Testing of external APIs or services that Scopex Money integrates with will not be covered in this plan.

Mobile App Functionality

- If Scopex Money has a mobile application that operates independently from the web application being tested here, its functionality will not be included in this test plan.

Performance Beyond Load Testing

- While load testing will be conducted to assess performance under normal peak conditions, stress testing beyond typical loads will not be included in this scope.

End-to-End Transaction Testing

- This plan focuses on specific functionalities rather than comprehensive end-to-end transaction workflows involving multiple steps across different modules.

User Acceptance Testing (UAT)

- UAT will be conducted separately by business stakeholders once functional and non-functional testing is complete.

Post-release Support Testing

- Any testing related to bug fixes or enhancements after the initial release will not fall under this test plan's scope.

Assumptions, Risks, and Constraints

Assumptions

- All necessary backend services are operational during testing.
- Users have stable internet access for registration and transactions.
- The KYC process is functioning correctly as per regulatory requirements.

Risks

- Potential downtime of the Scopex Money platform during testing phases.
- Changes in requirements or functionalities may affect test scenarios.

Constraints

- Limited access to certain features due to user role restrictions during testing.

Acceptance Criteria

- User Registration should be successful, redirecting the user to their dashboard with a confirmation message. Appropriate error messages should be displayed for all negative scenarios involving invalid data inputs.
- The recipient should be added successfully and displayed in the recipient list without errors. Error messages should be provided for all negative scenarios related to adding recipients using invalid data inputs.
- Logout should function correctly, returning the user to the login screen with no access to previous sessions. Proper handling of negative logout scenarios should also be verified.