

Banking App - QA Test Matrix

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Authentication Module Tests

ID	Scenario	Input	Action	Expected Output	Sev
AUTH-01	Valid login	user@bank.com / Pass123!	1.Open app 2.Enter creds 3.Tap Login	Dashboard loads, session token generated, last login updated	P1
AUTH-02	Biometric login	Registered fingerprint	1.Open app 2.Tap fingerprint icon 3.Scan finger	Authenticated in <1s, no password prompt	P1
AUTH-03	Account lockout	Wrong password x5	1.Enter wrong pass 2.Repeat 5 times	Account locked 30min, email sent to user, 20min notified	P2
AUTH-04	Session timeout	Valid session, 15min idle	1.Login 2.Wait 15min 3.Try action	Logged out automatically, redirect to login page	P3
AUTH-05	2FA setup	Phone number +1234567890	1.Go to security 2.Enable 2FA 3.Enter phone 4.Verify OTP	OTP sent within 30s, 2FA enabled after verification	P1

Transaction Processing Tests

Test Case	Precondition	Steps & Expected Result
TXN-001: Fund Transfer - Same Bank Priority: CRITICAL Type: Functional	Logged in, balance > \$100, payee saved	Step 1: Select "Transfer" Step 2: Choose saved payee Step 3: Enter \$50 Step 4: Confirm Result: Transfer completes <3s, balance updated, confirmation# shown, notification sent
TXN-002: International Wire Priority: HIGH Type: Integration	Verified account, SWIFT enabled	Step 1: Select "Wire Transfer" Step 2: Enter SWIFT/IBAN Step 3: Enter amount + currency Step 4: Review fees (\$25) Step 5: Authenticate Result: Wire queued, status "Processing", email confirmation, expected 2-3 days
TXN-003: Payment Declined - Insufficient Funds Priority: HIGH Type: Error Handling	Balance = \$10	Step 1: Try transfer \$100 Result: Error "Insufficient funds", no debit, transaction logged as failed

TXN-004: Duplicate Transaction Prevention Priority: CRITICAL Type: Security	None	Step 1: Submit transfer Step 2: Quickly tap submit again Result: Second request blocked, only ONE transaction processed, warning shown
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Security & Compliance Matrix

Code	Test	Attack Vector	Expected Defense	Priority
SEC-001	SQL Injection on login	Enter: admin'--	Input sanitized, login fails normally	CRITICAL
SEC-002	XSS in profile name	Set name: <script>alert(1)</script>	Script escaped, shows as text	CRITICAL
SEC-003	Brute force API	Send 100 login requests/min	Rate limited after 10, IP blocked temp	HIGH
SEC-004	Token expiration	Use 25-hour old token	Token rejected, re-auth required	HIGH
SEC-005	Certificate pinning	MITM proxy intercept	Connection refused, alert logged	CRITICAL