Web3 Functional QA & Security Test Log

SAMPLE · SYNTHETIC DATA

dApp regression & transaction-integrity testing · report template (sample)

PROJECT	BUILD / COMMIT	TEST WINDOW	RESULT	TESTER
Sample dApp (wallet + DEX + CEX sync)	**v2.14.0-rc3 · 8f3c1ab**	**12–16 Mar · 42 test cases**	**8 defects · 3 fixed · 5 open**	**Ulil Abshor**

Bug ID	Module	Severity	Environment	Steps to Reproduce	Expected Result	Actual Result	Status	Evidence
BUG-001	**Wallet Sign-in**	Blocker	iOS 18 / Safari / MetaMask Mobile 7.42	1. Connect via WalletConnect v2 2. Approve session 3. Background app 35s 4. Reopen, tap "Swap"	Session resumes, or one "Reconnect" action with state preserved.	Session flagged expired, form resets, no reconnect CTA — full reload needed.	Verified Fixed	loom.com/qa-001
BUG-002	**DEX Swap Signature**	Critical	Windows 11 / Chrome 131 / Rabby Extension	1. ETH → USDC pool 2. 12 ETH at 0.1% slippage 3. Price moves 0.4%, press Swap	Plain-language warning: price moved past slippage, fetch new quote.	Raw RPC error: `INSUFFICIENT_OUTPUT_AMOUNT`. User can't tell if funds moved.	Open	qa-002-gasex.png
BUG-003	**Signature Prompt Timeout**	Critical	Android 14 / Chrome 131 / MetaMask Mobile	1. Start approve() 2. Leave prompt 60s 3. Reject in wallet, retry at once	Request cancelled cleanly, nonce released, retry reuses it.	Spinner never ends; retry sends stale nonce → `replacement underpriced`.	Verified Fixed	loom.com/qa-003
BUG-004	**Mobile Deep-link**	Moderate	Android 14 / Chrome 131 / Trust Wallet	1. Start swap on mobile web 2. Open in wallet 3. Approve, follow return link	Back to swap screen with txHash attached.	Lands on dApp home; txHash/chainId dropped. User assumes swap failed.	Open	qa-004-deeplink.mp4
BUG-005	**CEX API Sync**	Moderate	Windows 11 / Chrome 131 / API sandbox	1. Connect read-only API key 2. Order fills in 2 parts 3. Refresh after 60s	Both fills aggregated; status PARTIALLY_FILLED → FILLED.	Only first fill counted; order stays open; 0.42 ETH drift until manual resync.	Open	qa-005-partial.png
BUG-006	**Token Approval**	Minor	iOS 18 / Safari / MetaMask Mobile	1. Approvals screen 2. Custom allowance 250 USDC 3. Review wallet prompt	Prompt shows 250 USDC.	Summary still reads "Unlimited" though encoded amount is 250 USDC.	Verified Fixed	qa-006-approval.png
BUG-007	**Network Switch Guard**	Critical	Windows 11 / Chrome 131 / MetaMask Extension	1. Submit tx on BNB Chain 2. Switch to Ethereum while pending 3. Confirm 2nd tx	2nd tx queued or blocked with a clear warning.	2nd tx broadcast on wrong chain; double gas paid, first tx orphaned in UI.	Open	loom.com/qa-007
BUG-008	**Fiat / i18n**	Minor	iOS 18 / Safari / any wallet	1. Switch to IDR 2. Go offline 3. Reopen portfolio	Last known value with a "stale" badge.	Every asset shows `NaN`; no fallback or retry hint.	Open	qa-008-nan.png

Severity model

- **Blocker** — flow cannot complete; funds or session at risk
- **Critical** — wrong tx data, nonce/chain desync, silent failure
- **Moderate** — broken recovery path, workaround exists
- **Minor** — display/i18n, damages trust not funds

What gets checked on-chain

- Gas estimation failures (revert reasons in human text)
- Signature lifecycle: timeout, reject, retry, nonce reuse
- Chain switch while a transaction is pending
- Deep-link return: txHash / chainId preserved
- CEX-RPC sync after partial fills and reconnects

Deliverables per engagement

- This log, updated per run (Sheets or XLSX)
- Screenshot / Loom evidence per defect
- Retest after fix + triage call with devs

Sample document — defects, builds and evidence links are illustrative, not a real client report. Template is reused per engagement; columns and severity model stay identical so your team can diff runs.