

Browser Extension Starter

Title	Browser Extension Starter
Publish Date	Mar 24, 2026
Submission End Date	Jun 24, 2026
Reward	4'000 USDt

Problem Summary

What is the problem, deficiency, or gap which will be addressed by this project?

WDK currently lacks a reference implementation for a browser extension wallet, one of the most common formats for self-custodial crypto wallets. Developers who want to build MetaMask-style experiences using WDK do not have a starting point that demonstrates packaging, security, UI flows, or extension-specific architecture.

Impact / Reason Why

What is the metric or goal this bounty aims to improve?

This bounty increases WDK adoption by enabling developers to quickly build browser-based wallets, one of the ecosystem's most in-demand formats. Contributes to goals:

- Increase WDK usage and adoption
- Increase the number of wallets launched using WDK
- Maximize developer satisfaction and documentation usability

Scope Items

What important items are in scope for the project?

- A fully functional Chrome/Brave browser extension wallet built using WDK.
- Clean, minimal UI built for extension popup.
- Support for extension background scripts, message passing, and secure storage.
- Documentation covering setup, architecture, and extension-specific security considerations.
- A short demonstration video (2–5 minutes).

Authentication & Security

- Secure seed phrase management and local storage
- Seed phrase generation, recovery, and validation
- Password lock + session timeout
- Protection against common extension threats (phishing, script injection)

Wallet Management

- Support for multiple wallets per user
- Multiple accounts within each wallet

Cryptocurrency Support

- Multi-asset support: BTC, USDt, XAUt
- Multi-network support: Bitcoin, Lightning (Spark), Ethereum, Polygon, Arbitrum, Plasma & Solana

Transaction Management

- Transaction history with filtering
- Real-time transaction status monitoring

Send & Receive Flows

- Send any supported cryptocurrency
- Manual, pasted, or QR-based address input
- Automatic address and network validation

Scope Exclusions

What important items are out of scope for the project?

- A full production-grade wallet or polished design system
- Advanced DeFi integrations (swaps, bridges, staking, lending)
- Firefox or Safari versions (optional future expansions)
- Backend infrastructure of any kind

Deliverables

What are the outputs that must be submitted?

- Public GitHub repository with complete source code
- Documentation including setup, architecture, build instructions, and security notes
- Demo video showing installation, basic flows, and transactions
- Pull Request to Tether GitHub repo (templates / examples section)

Acceptance Criteria / Definition of done

What needs to be achieved for this project to be considered completed?

- The extension installs and runs on Chrome and Brave.
- WDK is correctly implemented for balances, signing, transactions, and account management.
- Clean and functional extension UX (popup).
- Secure handling of seed phrase, password lock, and local storage.
- Documentation is clear enough for external teams to build production wallets.
- Demo video demonstrates end-to-end flow successfully.
- All submitted code must follow clean code best practices, ensuring readability, modularity, meaningful naming, and maintainability.

Milestones

What are the intermediary checkpoints necessary to track project progress?

ID	Description	Deliverables	Reward
M1	Browser Extension Starter Delivery	All deliverables above	100% of bounty

Success Indicators / Key Results

What are the key results that help us measure if this project was a success?

- 25+ products created or prototyped using the browser extension starter within 6 months
- Positive developer satisfaction (NPS > 70)

Applicants Requirements

What requirements that applicants must meet?

- N/A

Reward & Payment Schedule

What are the payout structure and conditions?

A single payment of 2,500 USDt upon completion and approval of all deliverables.

Resources & Links

What are additional useful links and resources for applicants?

- N/A