

Template Wallet

Title	Template Wallet
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 offers starter templates only for React Native. Developers working with other popular frameworks & platforms such as Next.js, Vue, Svelte, Angular, and Flutter must build integrations from scratch, facing steep learning curves and inconsistent patterns. This limits WDK adoption across a significant portion of the web and mobile developer community.

Impact / Reason Why

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

Expanding the starter template library directly reduces onboarding friction and accelerates adoption across diverse developer communities.

Contributes to goals:

- Maximize developer satisfaction (NPS)
- Increase usage and adoption
- Increase the number of WDK-powered wallets

Scope Items

What important items are in scope for the project?

- Design and develop one or more new production-ready template wallets for frameworks not yet covered by WDK (e.g., Next.js, Vue, Svelte, Angular, Flutter)
- Each template must integrate the WDK, Indexer API, and demonstrate core wallet flows: onboarding, balance display, send/receive, transaction history, and multi-chain support
- Documentation covering project setup, architecture decisions, and framework-specific integration notes
- A short demonstration video (2–5 minutes) per template
- Authentication & Security
 - Secure seed phrase management and storage
 - Seed phrase generation, recovery, and validation
- Wallet Management
 - Support for multiple wallets per user
 - Multiple accounts within each wallet

- Cryptocurrency Support
 - Multi-asset support for BTC, USDt, XAUt
 - Multi-network support for Bitcoin, Lightning (Spark), Ethereum, Polygon, Arbitrum, Plasma & Solana
- Transaction Management
 - Transaction history with filtering
 - Transaction status monitoring
- Send & Receive Flows
 - Send any supported cryptocurrency
 - Input recipient address manually, by paste, or via QR scan
 - Automatic address format validation

Note: Use the worklet as the secure execution layer for seed/key custody, signing, account/wallet operations, and config-driven multi-chain transaction flows, while the app layer handles UX, history, and monitoring.

Scope Exclusions

What important items are out of scope for the project?

- Full production-grade wallet applications with polished design systems
- Advanced DeFi features (swaps, bridges, staking, lending)
- Backend infrastructure or custom indexer implementations
- Modifications to WDK core SDK or Indexer source code

Deliverables

What are the outputs that must be submitted?

- Public GitHub repository with complete source code for each template
- Documentation: setup instructions, architecture overview, framework-specific integration guide
- Demo video showcasing key wallet flows per template
- 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?

- Each template runs correctly on the target framework's latest stable version
- WDK is correctly integrated for wallet creation, balance queries, signing, and transactions
- Core wallet flows (onboarding, send, receive, history) are functional and demonstrated
- Documentation is clear enough for an external developer to set up and extend the project within 30 minutes
- Demo video verifies end-to-end functionality
- 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	Proposal & Architecture Review	Framework selection rationale, architecture document, integration plan	20% of grant
M2	Core Integration & Wallet Flows	Working prototype with SDK integration, onboarding, balances, and send/receive	40% of grant
M3	Final Delivery	Complete template, documentation, demo video, and PR submitted	40% of grant

Success Indicators / Key Results

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

- 15+ projects created using the new template(s) within 6 months
- Positive developer feedback (NPS > 70)
- Template included in official WDK documentation and starter list

Applicants Requirements

What requirements that applicants must meet?

- Demonstrated experience building production applications in the proposed framework
- Familiarity with blockchain wallet concepts (key management, multi-chain support)
- Portfolio or open-source contributions showing relevant technical depth

Reward & Payment Schedule

What are the payout structure and conditions?

Payment split across milestones: 20% upon proposal approval, 40% upon working prototype, 40% upon final delivery and acceptance. Paid in USDt.

Resources & Links

What are additional useful links and resources for applicants?

- WDK Documentation: <https://docs.wallet.tether.io>
- WDK on npm: [@tetherto/wdk-core](https://www.npmjs.com/package/@tetherto/wdk-core)
- Existing React Native Starter: <https://github.com/tetherto/wdk-starter-react-native>