

Project Close-out Report for: Open-Source One-Click Wallet Library

Name of Project and Project URL on IdeaScale/Fund

- **Name:** Open-Source One-Click Wallet Library: No Extensions Needed
 - **URL:** [Project on IdeaScale](#)
 - **Project Number ID:** 1200172
 - **Name of Project Manager:** Roman Majovsky
 - **Date Project Started:** September 15, 2024
 - **Date Project Completed:** December 15, 2024
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List of Challenge KPIs and How the Project Addressed Them

Challenge KPIs Addressed:

1. **Accessibility:** Simplified wallet creation and management for users by eliminating browser extensions and ensuring compatibility across devices.
 2. **Transparency and Open-source:** Made the library and seed phrase gateway fully open-source, encouraging developer collaboration.
 3. **Developer Empowerment:** Enabled seamless integration of the wallet API into dApps using the CIP-0030 standard.
 4. **User-friendly Experience:** Offers a secure, intuitive interface for managing wallets, including seed phrases, balances, and collateral.
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List of Project KPIs and How the Project Addressed Them

1. **Functional dApp Integration Library:**
 - Created a library that adheres to the CIP-0030 standard, with all functions implemented and tested.
2. **Seed Phrase Gateway Website:**
 - Developed a secure, browser-based gateway allowing users to encrypt seed phrases, view balances, and manage collateral.
3. **Comprehensive Documentation:**
 - Published user manuals, developer guides, FAQs, and troubleshooting documentation to ensure smooth onboarding and support.
4. **Thorough Testing:**
 - Completed unit tests for all core functionalities and resolved major issues reported during testing.

Key Achievements

1. Open-source Release:

- Published both the dApp integration library and seed phrase gateway on GitHub under the MIT license.

2. Real-world Demonstrations:

- Showcased integrations in example dApps, demonstrating how developers can use the library to retrieve balances, UTxOs, and addresses.

3. User-friendly Interface:

- Designed an intuitive UI that simplifies wallet management for end-users.

4. Developer Engagement:

- Received and implemented developer feedback to improve functionality and customization.
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Key Learnings

1. Ease of Use Encourages Adoption:

- Clear documentation and a straightforward integration process ensure the library is accessible to developers of all skill levels.

2. Community Feedback Drives Improvement:

- Input from developers and users highlighted key areas for refinement, including browser compatibility and customization options.

3. Cross-device Compatibility is Crucial:

- Supporting various browsers and devices significantly expanded the tool's usability and reach.
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Next Steps for the Product or Service Developed

1. Feature Expansion:

- Add support for multi-wallet management and user accounts.
- Enhance API functionality to meet developer needs.

2. Collaboration and Adoption:

- Partner with dApps to integrate the library into real-world applications.

3. Continuous Improvement:

- Maintain and enhance the open-source repository with updates, bug fixes, and additional resources.
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Final Thoughts/Comments

The **Open-Source One-Click Wallet Library** simplifies wallet management and interaction with Cardano applications, reducing barriers for developers and users alike. By making this solution open-source, the project contributes to the broader Cardano ecosystem, encouraging adoption and innovation.

This milestone concludes the project, but the journey continues with plans to expand features and collaborate with the community to ensure long-term value.

Links to Other Relevant Project Sources or Documents

1. [GitHub Repository for dApp Integration Library](#)
 2. [GitHub Repository for Seed Phrase Gateway](#)
 3. [Example Application](#)
 4. [Test Report / Results and Unit Tests](#)
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Link to Close-out Video (YouTube or Vimeo)

- [Close-out Video Link](#)