Project Closeout Report

eUTxO Fundamentals: Building Cardano Smart Contracts [eBook]

https://www.lidonation.com/de/proposals/eutxo-fundamentals-building-cardano-smart-contracts-ebook-f11

Project number:
1100130

Project Manager:
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Date project started:
01/03/2024

Date project completed:
06/01/2025

List of Challenge KPIs

1. Open Source Repository Establishment:
   - A dedicated open-source repository was created on GitHub for the eUTxO-Fundamentals-Building-Cardano-Smart-Contracts project. This repository includes clear guidelines, detailed usage instructions, and a thorough explanation of the code, designed to help developers understand and contribute to the Cardano ecosystem.
   - https://github.com/elRaulito/eUTxO-Fundamentals-Building-Cardano-Smart-Contracts/tree/main
2. Documentation Quality:
   - Comprehensive documentation is available in the form of a light.pdf and dark.pdf, catering to different reading preferences. The documents cover various aspects of the Cardano development ecosystem, including code samples, tutorials, and step-by-step guides for new developers.
   - https://github.com/elRaulito/eUTxO-Fundamentals-Building-Cardano-Smart-Contracts/tree/main/eBook/sections/solutions
3. Library and Module Development:
   - The project provides a solid foundation for developers to learn about Cardano smart contracts, particularly focusing on the eUTxO model. The repository also includes templates for developers to create their own projects.
   - The book can be forked and integrated since the material is available and open source
4. Community Engagement:

- The repository has received positive engagement from the community through feedback, PRs, and issues. Regular updates and feedback loops on platforms like GitHub, Twitter (@ElRaulito_cnft)help ensure that the project remains relevant and aligned with user needs.
  - https://x.com/ElRaulito_cnft/status/1876240985124209119
  - https://x.com/ElRaulito_cnft/status/1875977200538886397
  - https://x.com/ElRaulito_cnft/status/1874029733211484453

List of Project KPIs

1. Clear Project Scope and Objectives:
   - The project scope and objectives were clearly established from the outset, focusing on helping new developers get started with the Cardano ecosystem. The goal is to provide a comprehensive guide that covers all key elements of building smart contracts on Cardano.
   - Starting from a very basic concept like setting up a node and connect the wallet to a website
   - To build a complex NFT marketplace with different languages for Cardano Smart Contracts
2. Proof of Concept (PoC) Codebase:
   - The project has produced a working PoC codebase, providing practical examples of how developers can integrate Cardano smart contracts into their projects using the eUTxO model.
3. Guideline and Instruction Documentation:
   - Well-documented guidelines and instructions are included, making it easy for developers to follow and integrate the content into their own projects. The content is regularly updated based on community contributions.
4. Code Optimization:
   - The codebase has undergone continuous optimization through contributions from the community. Pull requests on GitHub ensure the code remains efficient, reliable, and well-maintained.
   - Community has already contributed with PRs and improved the quality of the book

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Key Achievements

- Community Feedback: The project has garnered a great deal of attention, with significant feedback received through GitHub Issues, PRs, and messages on Discord and Twitter. This feedback has been instrumental in refining the project.
- Open Source Collaboration: The project has fostered a thriving open-source community, with contributions and improvements being made by developers worldwide, resulting in better documentation, more examples, and new features.

Key Learnings

- Importance of Documentation: Clear and concise documentation has been essential in ensuring that new developers can easily understand the project and start building on Cardano. The two versions of the PDF (light and dark) make it more accessible to a wide audience.
https://github.com/elRaulito/eUTxO-Fundamentals-Building-Cardano-Smart-Contracts/tree/rendered
- Community Engagement: Regular interaction with the community has proven to be a key factor in improving the project, as it helps identify issues and generate new ideas for enhancements.
- Continuous Improvement: The open-source nature of the project allows for continuous improvement through community contributions, ensuring that the content remains up to date with the latest developments in the Cardano ecosystem.
- Keep Improving: Beyond making sure the code works, it is crucial to ensure that developers can easily replicate the project and use it as a foundation for their own work.

Next Steps for the Product or Service Developed

- Testing: The project is entering a phase of beta testing where community members can try out the book and suggest further improvements.
- Expansion of Features: The content will be expanded to cover additional use cases and advanced topics, with community-driven contributions driving new content.
- Promotion and Outreach: Efforts will be made to increase visibility and adoption of the project by sharing updates on social media, engaging with influencers, and reaching out to new developers through various channels.

Final Thoughts/Comments

The eUTxO-Fundamentals-Building-Cardano-Smart-Contracts project has successfully established a strong foundation for teaching developers how to integrate Cardano smart contracts. The open-source nature of the project and the support from the community will help it evolve and grow as a valuable resource for developers interested in the Cardano ecosystem.

Links to other relevant project sources or documents
- GitHub Repository:
https://github.com/elRaulito/eUTxO-Fundamentals-Building-Cardano-Smart-Contracts/tree/main
- Twitter Announcement: https://x.com/ElRaulito_cnft/status/1876240985124209119

- IdeaScale/Fund Project URL:
https://projectcatalyst.io/funds/11/cardano-open-ecosystem/eutxo-fundamentals-building-cardano-smart-contracts-ebook-dbb99
-Closeout video: https://youtu.be/QUBK7MC-Bes