

# Lenfi V2 Aiken Audit + Bug Bounty Finalisation Report

Made by Lenfi  
For Catalyst Fund Team  
and Public Interest

Project ID	1000102
Link	<a href="#">Open full project</a>
Challenge	F10: Products & Integrations
Budget	ADA 265,000.00
Funds distributed	ADA 233,000.00
Start date	Oct 8, 2023

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## Milestone 1: Initiation of Audit Process

- We began our audit in August 2023, ahead of the Catalyst funding decision, by using personal funds to fast-track the process. This allowed us to avoid delays and ensure timely delivery of the audit.
- We chose **Anastasia Labs** for the audit due to their proven expertise in the space. Given the newness of our coding language, there were limited auditing firms willing to take on the task. Anastasia Labs, however, demonstrated professionalism and strong communication throughout.
- **Proof of Audit Initiation:**
  - [Medium Article Announcing Audit Start](#)
  - [Telegram Announcement](#)
  - [Transaction Confirming Audit Start](#)

We searched for an auditor within the Cardano ecosystem and identified **Anastasia Labs** as the best fit. Their proven track record and expertise gave us confidence in their ability to perform the audit effectively, especially given the unique challenges posed by our new code.

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## Milestone 2: Audit is Half Way Done

Since we initiated the audit early, we were able to open-source the Lenfi V2 code to the public. This milestone was crucial in fostering transparency and allowing developers in the community to engage with our work.

- **Outputs of Milestone 2:**
  - [Audit Report for the Audit](#)
  - [Lenfi V2 Code \(written in Aiken\)](#)

At the halfway point of the audit, the process went smoothly thanks to **Anastasia Labs'** professionalism. They identified several issues in our code, some of which were logic-related, providing valuable insights for improvement.

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### **Milestone 3: Fixing Vulnerabilities**

Upon receiving the first audit report, our developers worked diligently to address any vulnerabilities identified. Following the guidance of the auditor, we ensured the smart contracts were modified and improved to enhance security and functionality.

- **Outputs of Milestone 3:**
  - [Improved Smart Contracts](#)
  - [Smart Contract Documentation Present by Lenfi team](#)
  - [Developer Approval of Vulnerability Fixes](#)
  - [YouTube Stream Detailing Audit Fixes](#) (Key Segment: 3:50 - 4:20)

After receiving the initial report from **Anastasia Labs**, our development team spent many hours addressing the identified vulnerabilities. We successfully fixed the issues and returned the improved code to the auditor for further review.

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### **Milestone 4: Final Audit and Bug Bounty Launch**

With the completion of the audit, we received the final report from Anastasia Labs, confirming that no known vulnerabilities remained. This marked the official start of our **Bug Bounty Program**, inviting developers from the Cardano ecosystem to help further strengthen the security of our code.

- **Outputs of Milestone 4:**
  - [Final Audit Report](#)
  - [Open-Source Code](#)
  - [Bug Bounty Program Details](#)
  - [Bug Bounty Program Launch Announcement](#)
  - [Medium Article on Bug Bounty Program](#)

After extensive hard work by the auditors, we successfully completed the audit and launched our Bug Bounty program. We've been consistently updating our community through various channels, sharing the open-sourced code and encouraging developers to participate in the Bug Bounty for further security enhancement.

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### **Milestone 5: Bug Bounty Completion**

Over the past year, we have had a successful Bug Bounty program, with no vulnerabilities being reported. While this is a positive outcome, we are committed to continuous security improvements. To improve the security of Lenfi's smart contracts, we have conducted another audit, which was made by the TxPipe team.

- **Outcomes of Milestone 5:**
    - [Tweet that audit has been completed](#)
    - [Second Audit Completed by TxPipe](#)
    - [Medium article](#)
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## **Conclusion:**

This project has been an incredible journey of development, transparency, and community collaboration. With the successful completion of the Lenfi V2 audit, public code release, and Bug Bounty program, we are well-positioned for future growth and innovation with a secure lending solution for the Cardano Community.

We extend our deepest gratitude to the Catalyst program and the broader Cardano community for their support. We remain committed to building a secure, efficient, and user-friendly platform for all.