

Problem Statement Title: Blockchain Based: Loyalty and Rewards Program using Fungible Tokens

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LIMITATIONS

This section focuses on the limitations of our project

02 Use Case

Illustrates real-world applications, showcasing practical usage scenarios effectively..

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FUTURE SCOPE

This section focuses on the advanced improvements that can be made in the project

U3 WEBSITE UI

This section focuses on different functionalities of our website UI and also show its flow with **Block Diagram**

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WHY THIS PROJECT ?

This section focus on the why this project stands out.

Deliverables

Idea Component:

- Project Proposal: Present a comprehensive overview of our loyalty program, including the problem statement, solution, key features, tokenomics.
- *Tokenomics and Rules*: Define token value, issuance rules, and how users earn/redeem tokens.
- <u>User Interface</u>: Provide visual mockups of the user-friendly interface for managing points and rewards.

Code Component:

- Solidity Code: Submit well-structured Solidity code for generating tokens, managing transactions, and settlements.
- User Interface Prototype: Deliver a functional web prototype of the user interface.
- <u>Testing and Completion</u>: Demonstrate essential functions, ensure clean code, integration, and testing.

P0: Token Generation & CASES **Tokenomics**

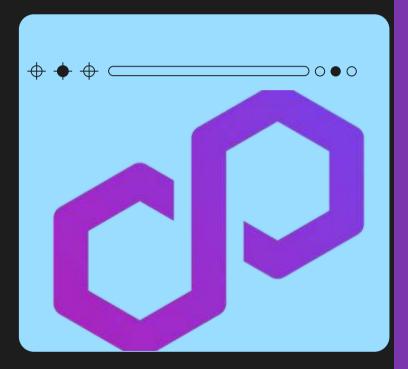
- Users receive tokens for purchases, boosting customer loyalty.

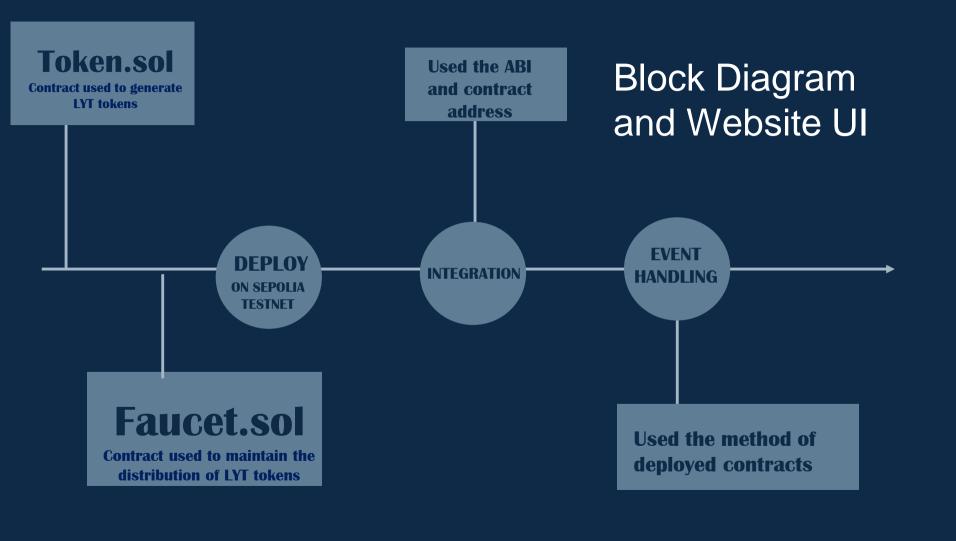
• Record settlements transparently on-chain P1: Earning Tokens & Partner Issuance

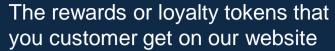
- Referral rewards in tokens promote user referrals.
- Partners reward tokens for high-value

P2pRewards Redemption

Tokens used for discounts and coupons.



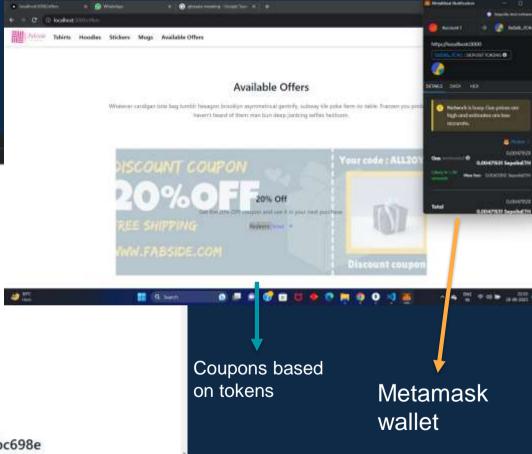






Your Loyalty Token: 20.0

Your Wallet Address: 0x262f33b0ea8fc998659ad592c5980a06eebc698e

















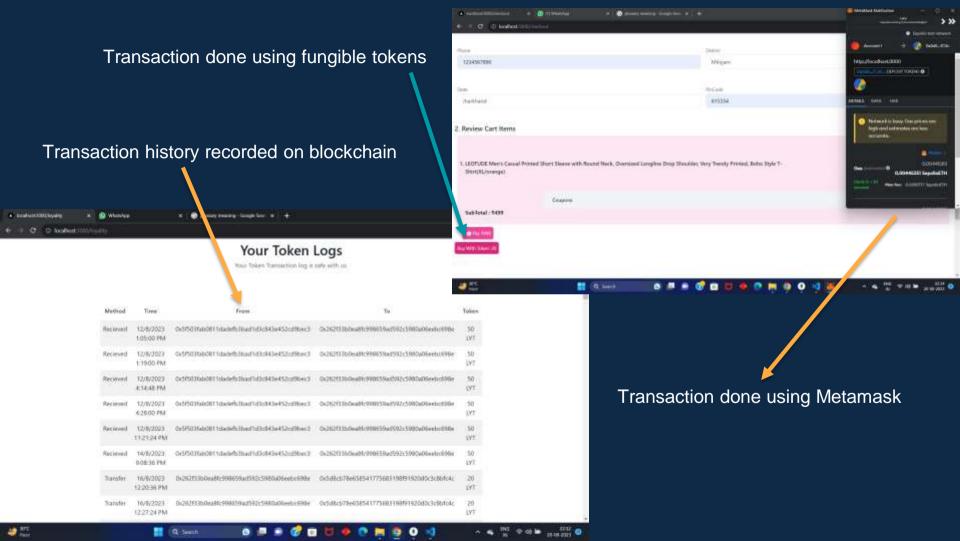












LIMITATIONS



Polygon's Layer 2 solutions may not fully prevent gas fees, impacting loyalty points' value and user appeal during network congestion.



Public blockchain storing sensitive data raises privacy concerns; balancing transparency and user privacy is crucial.



NETWORK RELIABILITY

While blockchains strive for high reliability, unexpected network downtime or delays could impact the user experience and real-time interactions.

FUTURE SCOPE



AI INTEGRATION

Incorporating artificial intelligence for personalized rewards, predictive analytics, and user behavior analysis to optimize the rewards program's effectiveness.

WFT INTEGRATION

Introducing nonfungible tokens (NFTs) for exclusive rewards and experiences, adding uniqueness and collectibility to the loyalty program.

PARTNERSHIP S

Cross-chain compatibility and partnerships with diverse networks and industries broaden program reach and versatility.

WHY OUR PROJECT?

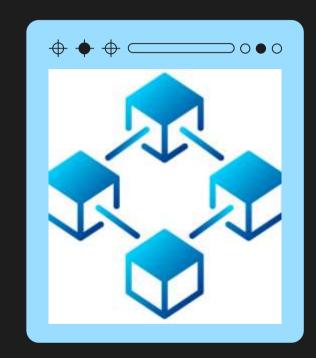
Enhanced User Engagement: Our Project provides transparent and rewarding user experience, fostering increased engagement and loyalty.

Transparency and Trust: Transactions recorded on the blockchain ensure transparency, building trust between users, brands, and platforms.

Innovation and Differentiation: Implementing blockchain sets the program apart, attracting tech-savvy users and positioning brands as innovative.

Secure and Efficient Settlement: On-chain settlements streamline transactions, reducing reconciliation time between brands and E-commerce platforms.

Global Accessibility: Blockchain's borderless nature enables global participation, appealing to a wider audience and expanding market reach.





Thank You