KrishToken CROWDSALE

Rice University FinTech BootCamp

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AGENDA

- Introductions/Objective (Onur)
- Crowdsale and NFT Smart Contracts (Parag)
- Streamlit Interface (Bolaji)
- Demonstration (Onur)
- Cost Estimate (Bolaji)
- Questions

OBJECTIVE

➢ We are a software development company who want to launch a Crowdsale fund raising by selling our own fungible tokens (KrishToken) created under ERC-20 standard

➢ KrishToken will be used to buy game avatars which are represented by non-fungible tokens created under ERC-721 standard

➢ MVP: Development of an Application where KrishToken can be used to buy NFTs

BACK-END AND FRONT-END

Back-end consists:

- KrishToken Mintable

- KrishToken Crowdsale

- ArtToken-NFT Contract

Front-end consists:

- Web based User Interface (Streamlit Libraries)

- Web3 Libraries for calling contract functions

- Metamask is used to transfer ether to project wallet account

CROWDSALE AND NFT SMART CONTRACTS

KrishToken Mintable:

- Community-accepted Ethereum-based ERC-20 standard

- Create and deploy mintable fungible tokens that comply with ERC-20

KrishToken Crowdsale:

- Distribute the tokens to other blockchain participants

ArtToken-NFT Contract:

- Use the ERC-721 non-fungible token standard to register new pieces of artwork

FRONT END USER STORIES

1- As a Metaverse Investor I want to be able to buy Krish Token via Web interface

2- As a Metaverse Investor I want to be able to choose Krish Token Avatar from the stock
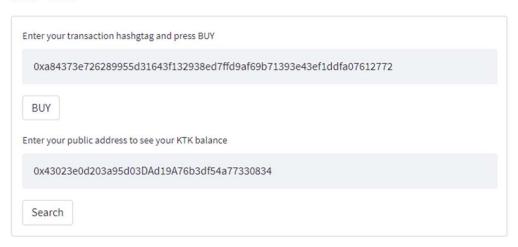
3- As a Metaverse Investor I want to able to purchase and view purchased Avatar

INTERFACE TO BUY TOKEN

Acceptance Criteria:
Interface to buy KrishToken

BUY KRISH TOKEN (KTK)!!

1 ETH = 1 KTK

Enter your transaction hashgtag and press BUY

0xa84373e726289955d31643f132938ed7ffd9af69b71393e43ef1ddfa07612772

BUY

Enter your public address to see your KTK balance

0x43023e0d203a95d03DAd19A76b3df54a77330834

Search

AVATAR SAMPLE

Acceptance Criteria:
Avatar Choice

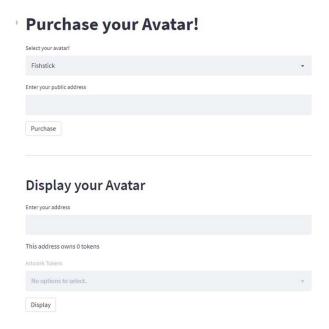**CHOOSE YOUR AVATAR!!**

PURCHASE INTERFACE

Acceptance Criteria:
Purchase and Display Interface

COST ESTIMATE

Position	Role	Number	Cost /hr ($)	Total Hours	Total ($)
Technical Architect	Responsible for the technical architecture and technology for the solution	1	500	24	12000
Web 3 Developer	Responsible for developing contracts	1	500	24	12000
Front End Developer	Responsible for the developing of the user interface	1	300	24	7200
Quality Engineer	Responsible for ensuring the quality of the development	1	250	12	3000
Scrum Master/Product Owner	Responsible for the delivery of the project and the cadence	1	300	30	9000

Grand Total: $43,200

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