

UTXO LENSES

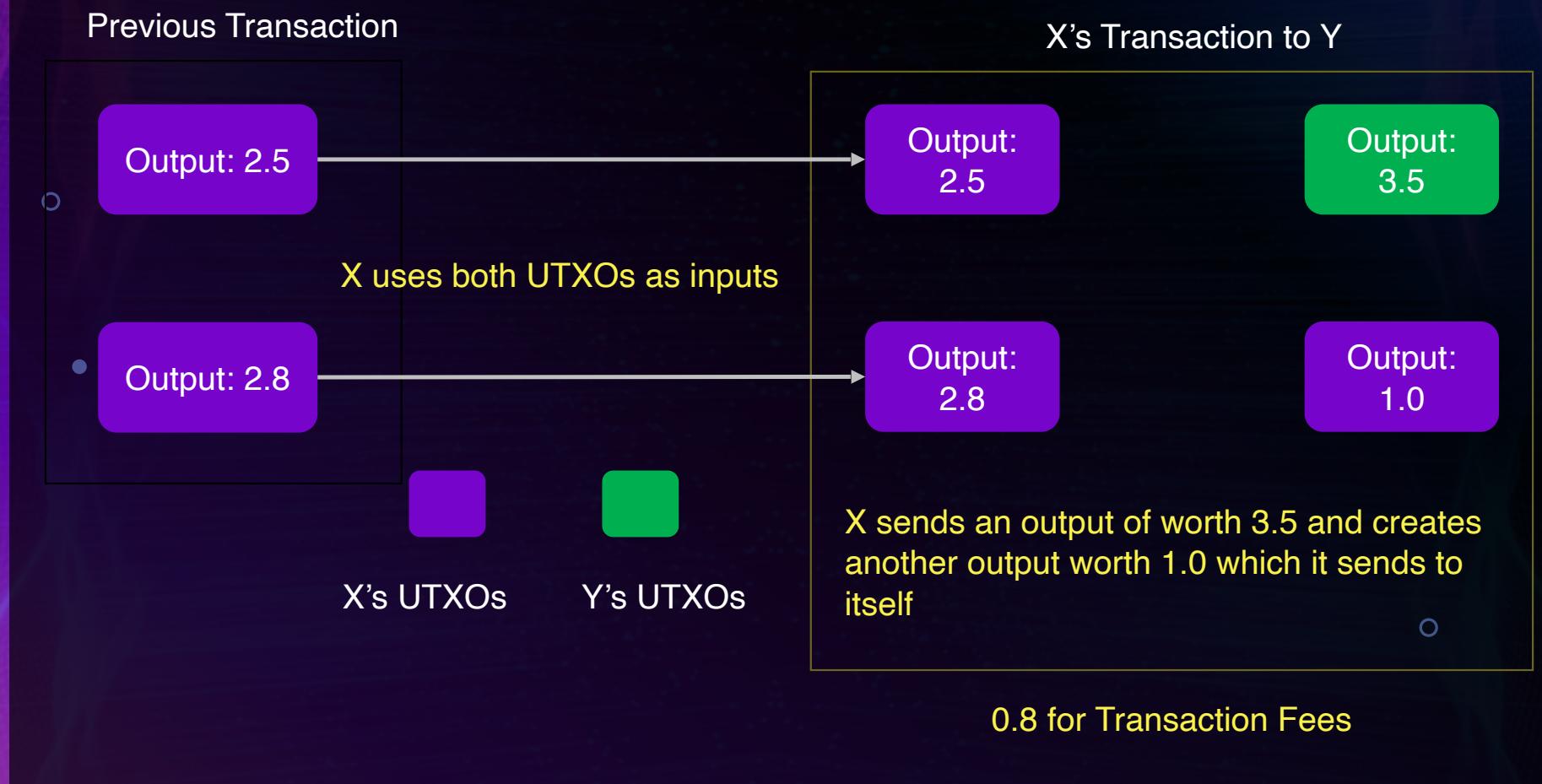
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Introduction

Unspent Transaction Outputs (UTXO)

- Discrete Piece of Cryptocurrency
- Output of a transaction that exists until it is used as an input in a subsequent transaction
- Users reference unspent outputs (UTXOs) from previous transactions as their inputs

How it Works



PROJECT GOAL

Building a Visualization Tool for ResilientDB apps (i.e, ResVault) that utilize the concept of UTXOs or token transactions.

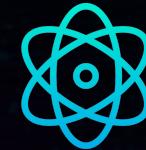
Tools



Postman



NodeJS



ReactJS



Python



ThreeJS



ngrok



Github Pages

Features

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- 1

- 2

- 2D Visualization

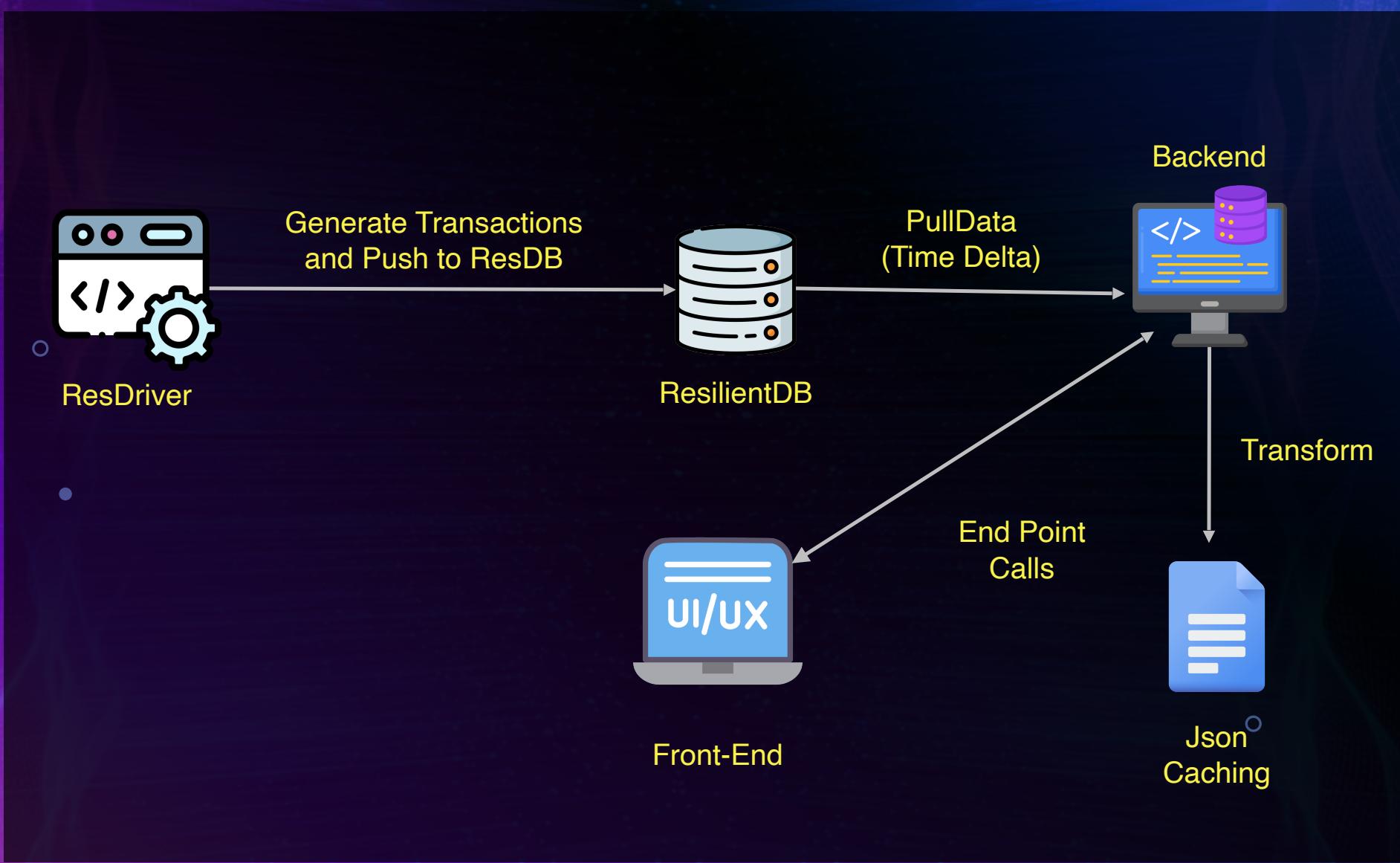
- 3D Visualizations

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Demo

Using ResilientDB

Utilized the ResDriver to generate about 5,000 transactions involving 50 users. Throughout this process, we maintained consistency with the ResVault schema.



Future Work

- Improve the Visualization (I.e., User Interface)
- Develop our tool as an SDK or package to enable other wallets seamlessly integrate with the tool.
- Make the tool Schema agnostic

Thank you
