

WEEKLY REPORT and MEETING AGENDA

Report #: 7 Project Name: Resol
Date: 03/30/2022 Prepared by: Anu Khatri

Agenda for the weekly meeting

1.

Accomplishments during this period

1. Tried trading strategy of both tops from Jupiter
2. Able to send transactions we get from Jupiter using Solana/web3 commands
3. Able to log transactions and store them in a file

Plans for next period

1. Read from file of transaction logs
2. Modify UI scaffold to fit our project needs
3. Finish moving transaction module on chain

Project management status

1. Schedule and milestones - hitting all goals
2. Teamwork - team is working well together with even distribution of work is and making progress
3. Purchases - \$9/month RPC node

Minutes from previous meeting

1. Trading Strategy
 - Is a little random
 - Is doing Orca then Jupiter
 - Orca is right now OXY -> SOL
 - Jupiter is SOL -> OXY
2. Move the transaction steps into 1 function that's on chain
Check after two steps if there's profit, if not, cancel both
3. How is Jupiter getting the info for the routes, and is it real-time?
4. Simulation vs. Real Transaction may have discrepancies, so can only be precise if we have our own on chain program for doing simulation to see profit and immediately sending real one
5. Write a logging functionality
Macro message in smart contract - msg something
 - Refer to hello world programLog message is stored on chain, and can go back to look at them
6. Get results from sending to smart contract on rpc
 - Problem may arise when there a lot of transactions, harder to visualize
7. Priority
 - Write atomic function on chain
 - Send transaction to that, and see if can improve profit
8. Can get reimbursement for the expenses like the RPC node and the rent
Will also be more when deploying the smart contract because takes many transactions
9. Need infrastructure, get on chain, rollback if not profitable, then can optimize it
10. Right now we're doing currency pairs, but could expand to do more beyond that

A large, empty rectangular box with a thin black border, occupying the upper two-thirds of the page. It is intended for a student to write their weekly report.

Weekly Report Form. CSCE 482