

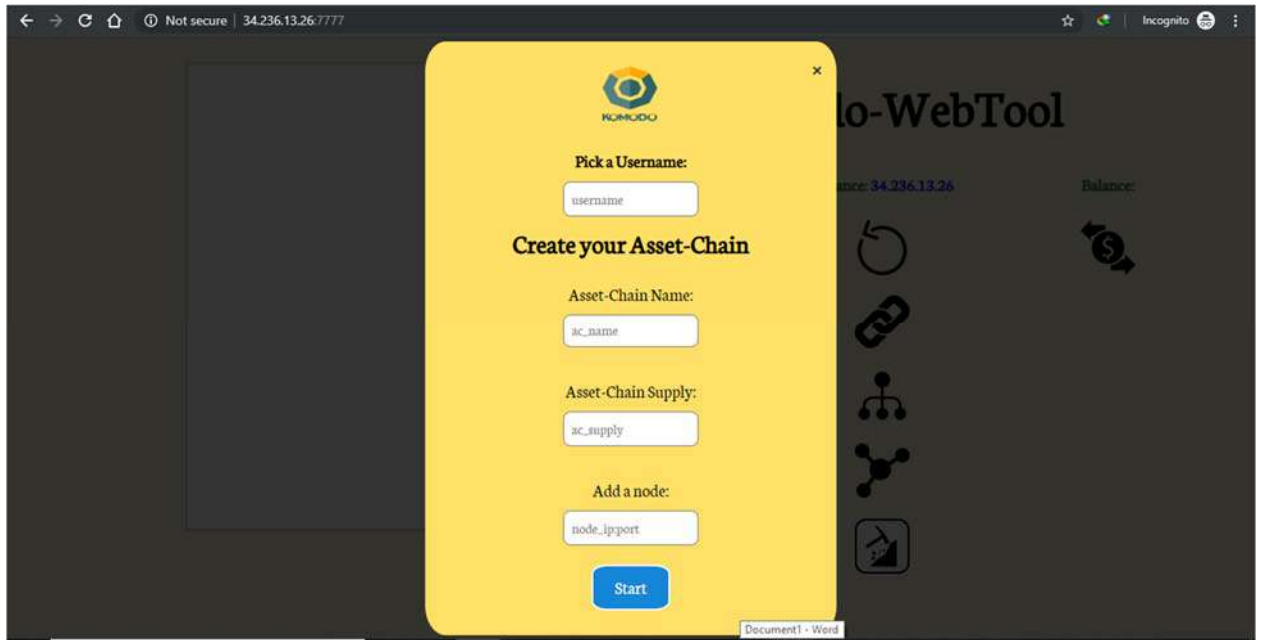
Blockchain-Utility

Rank #1

Komodo-WebApp by Vaibhav Murkute: (Category: **Utility** app for Blockchain)

Email: vaibhav.murkute@mavs.uta.edu

Blockchain: Komodo



Features:

- This tool can be used as an Online wallet for a Komodo-based asset-chains.
- Major functionalities:
 - Create a new chain
 - Connect to existing chain on the server
 - Get wallet information
 - Get network information
 - Send coins to address
 - Add new nodes to this chain
 - List address groupings
 - Issue a new wallet address
 - Enable mining on this instance
 - Get transaction details
 - Remotely Stop the chain

Rank #2

BlockRedit by Mohammad Ali: (Category: Utility Application for Blockchain)

Email: ali.mohamedi2@mavs.uta.edu

Blockchain: Komodo



Features:

- Users can use this app to convert cash to crypto-coins. (For cash, it has to be linked to bank account).
- This project can be extended to create a Payment Gateway or Coin conversion portal to exchange various coins, (like atomic swaps in Komodo).

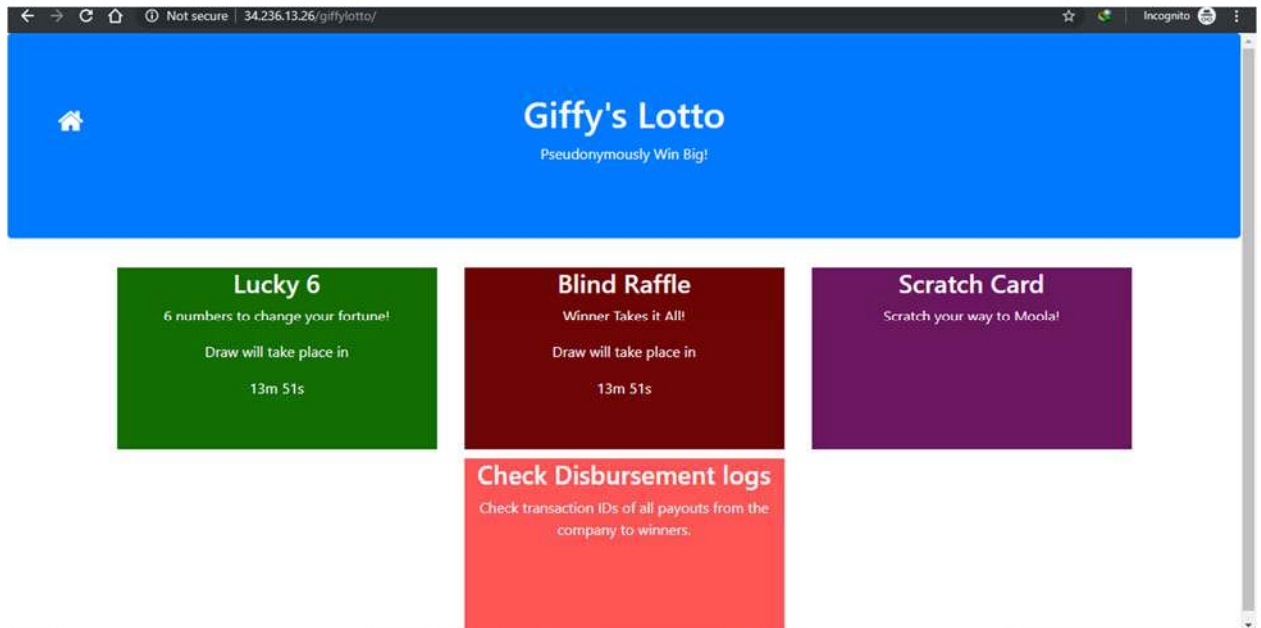
Blockchain-Game

Rank #1

Giffy's Lotto (Lotto Raffle) by Giffy Chris: (Category: **Trivia Game** with Blockchain)

Email: giffy.chris@mavs.uta.edu

Blockchain: Komodo



Features:

- Trivia-gambling game, with 3 subparts:
- **Lucky 6 and Blind Raffle:** Players buy a ticket with GIFFYCOINS for a lucky draw that happens every 15 mins. If Player's ticket wins, he gets the wining reward.
- **Scratch Card:** Player can buy a scratch card, which may have some coin reward on it.
- App also checks whether a previous transaction-id is not being used multiple times.
- **Disbursement logs:** Anyone can check the disbursement logs, which shows previous coin disbursements.

Rank #2

Crypto-Rock-Paper-Scissor by Lalit Jayavantt Goski

Email: lalitjayavantt.goski@mavs.uta.edu

Blockchain: Komodo

CRYPTO-RPS: ROCK, PAPER, SCISSORS!

Submit your name and wallet address to begin the game. Select either rock, paper, or scissors when prompted. Your opponent will do the same. Rock beats scissors, scissors beats paper, and paper beats rock. Good luck, and have fun!

PLAYER 1

WAITING ON PLAYER 1 AND
PLAYER 2...

PLAYER 2

You can chat with your opponent here!
1 has left the game.

Features:

- Players can chat with each other
- Winner will be awarded coins
- Players cannot see each other's screen.
- A player can withdraw refund or wait more to get an opponent.

Rank #2

Hangman by Binaya Khadka: (Category: **Trivia Game** with Blockchain)

Email: binaya.khadka@mavs.uta.edu

Blockchain: Komodo



Features:

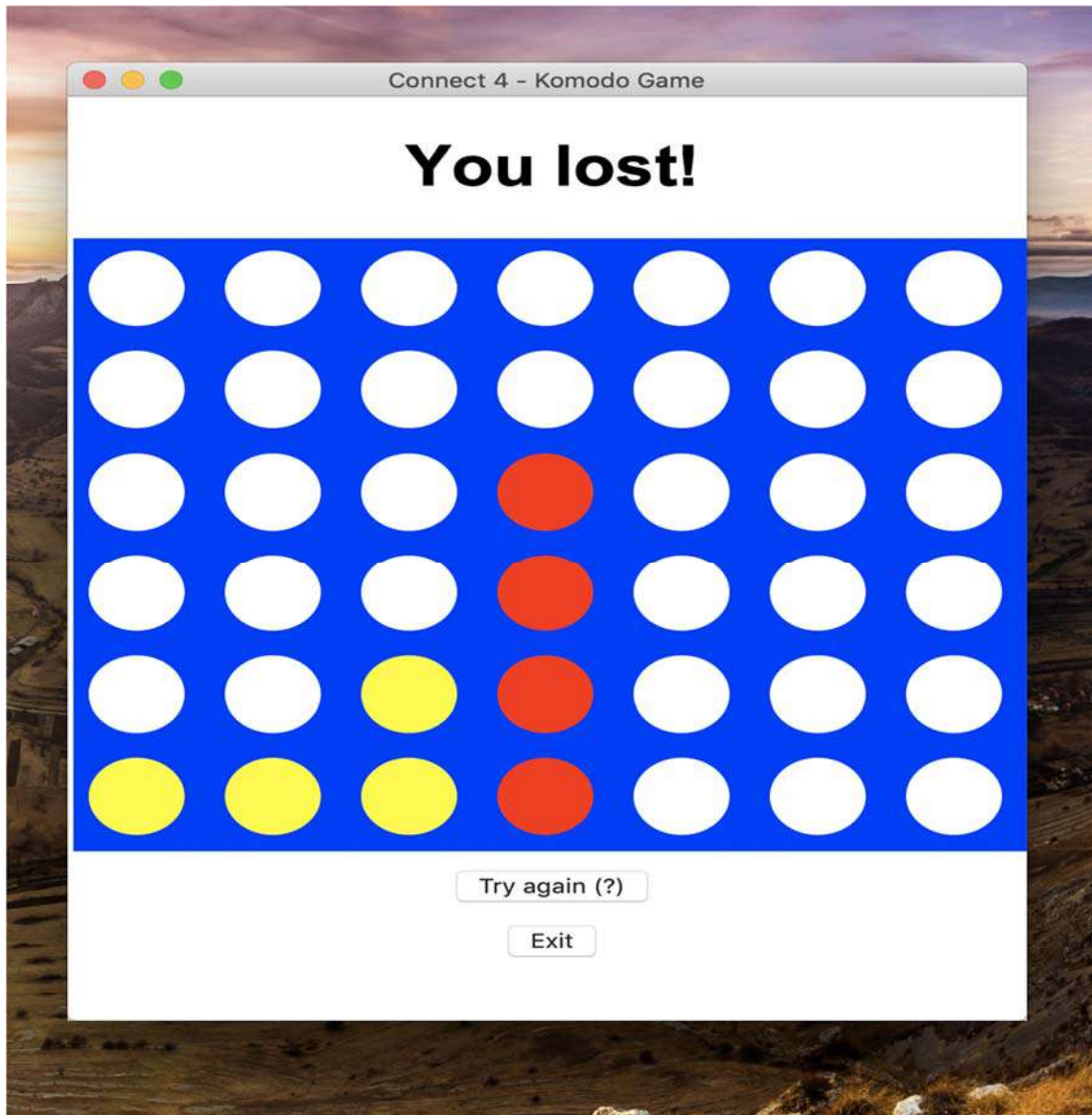
- A trivia game where player needs to guess Movie name or Movie Dialogues or Songs. If players make certain number of mistakes while guessing, they lose.
- Winner gets the wining reward (coins).
- Good GUI, need to work on chain-integration

Rank #3

Connect 4-Komodo by Sidharth Raj

Email: sidharth.raj@mavs.uta.edu

Blockchain: Komodo



Features:

- Connect4 game with AI
- Competitive match with AI
- Transaction using WALRUSCOIN Komodo Chain.

Blockchain-Business

Rank #1

Wine & Cheese by Aman Arora: (Category: **Business** Application for Blockchain):

Email: aman.arora@mavs.uta.edu

Blockchain: Ethereum

Wine Chain

Tracking the Journey of the Bottle

Register New Yard

Yard Id
1

WineYard Name
Aman's WineYard

Yard Description
Great WineYard in middle of Texas

Yard Location
Arlington

Yard Longitude
-68.239770

Yard Latitude
121.341490

Register

Features:

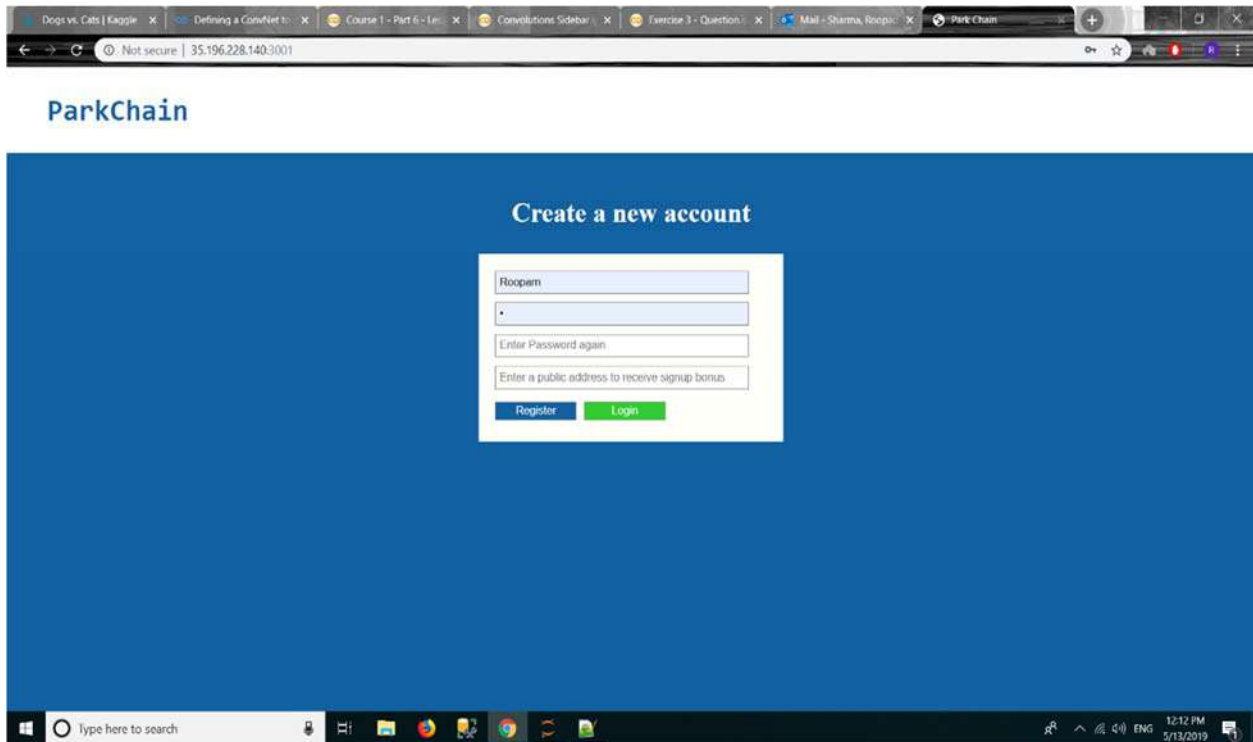
- Built on Ethereum, Users can check the origin of Wine and Cheese
- User puts-in product parameters on a web app which creates an hash and puts it on the blockchain.
- Language used: Solidity

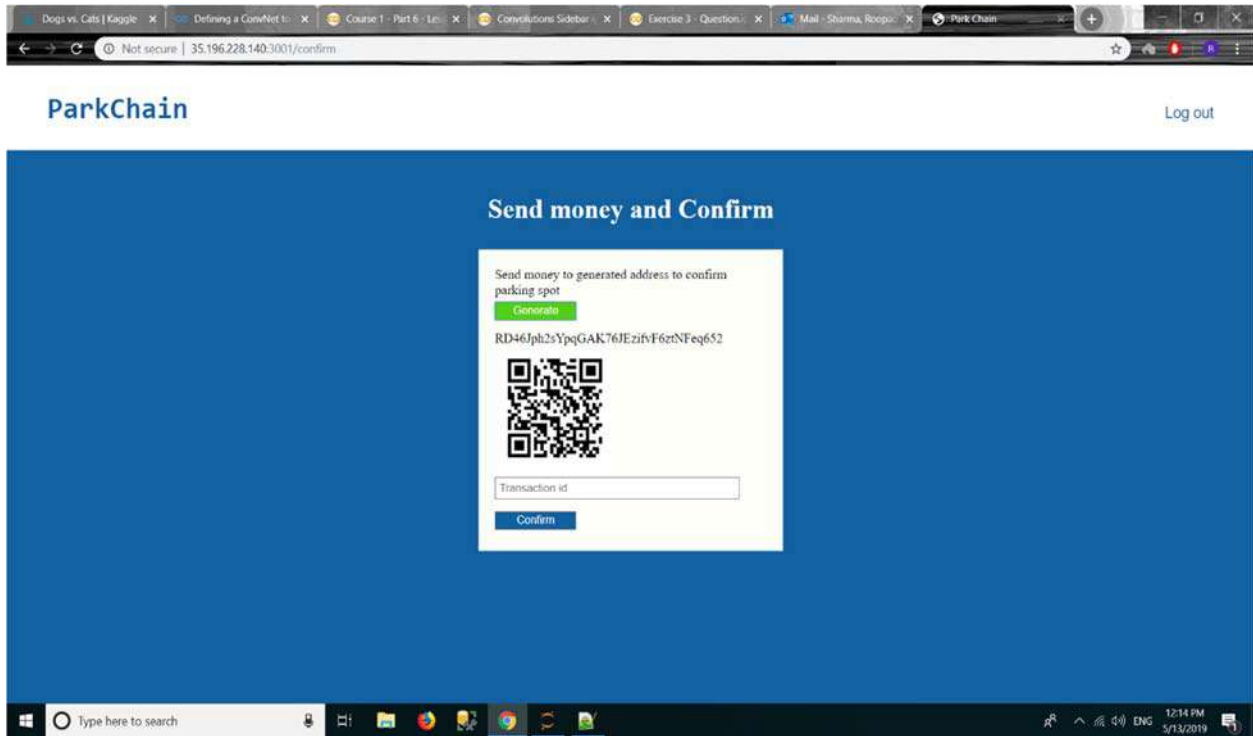
Rank #1

ParkChain by Roopam Sharma

Email: roopam.sharma@mavs.uta.edu

Blockchain: Komodo





Features:

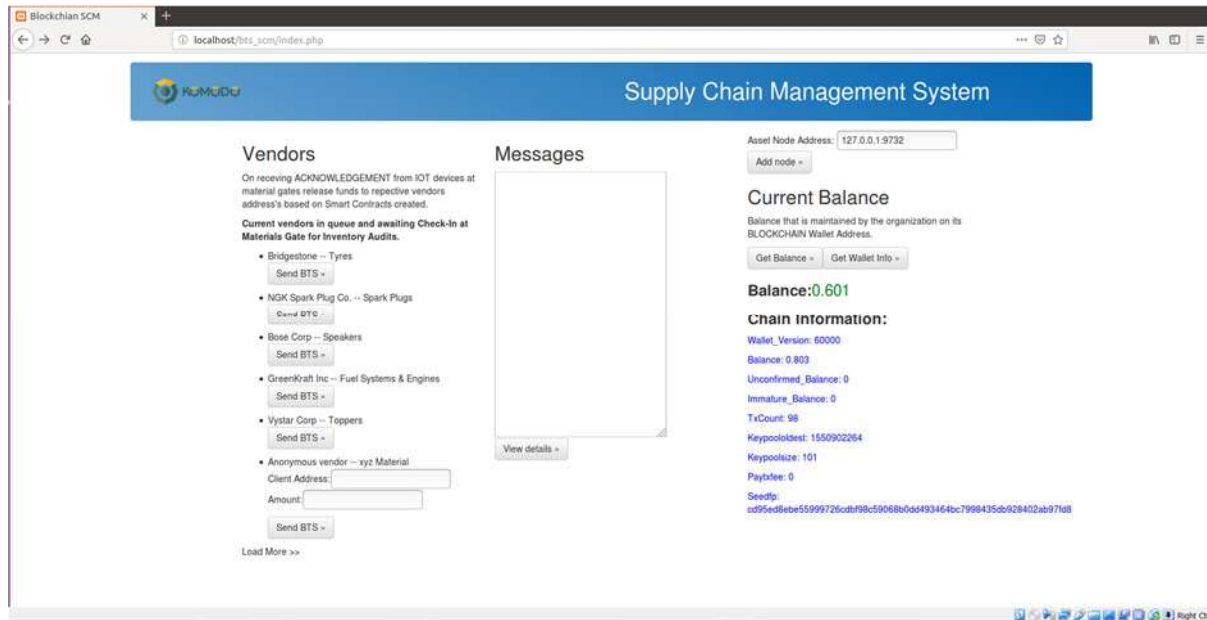
- People can park in parking spots and pay by using bitcoins
- Transaction Id Validation (Parking reservation successful only if valid transaction Id is provided)
- New address can be generated each time generate button is clicked for sending money.
- QR code generated for the Mobile Apps
- People can receive sign up bonus while registration.
- Parking history is maintained.
- Users can register, login and logout from system

Rank #2

BLOCKCHAIN IN IOT AND SUPPLY CHAIN by Chirag Shah

Email: chiraghareshkum.shah@mavs.uta.edu

Blockchain: Komodo



Features:

- The combination of IoT and Blockchain will effectively reduce the friction in Supply Chain Management mainly eliminating central third-party entities.
- Currently, simple transactions involved in industries with multiple clients/vendors have lengthy procedures. These can be automated using Smart Contracts and distributed ledgers. The contracts can be recorded publicly for reliability.
- End-2-End visibility across multiple clients in supply chains is possible. Blockchain based framework will ensure that all the involved parties/clients can access the data in real-time.
- It is also possible to capture the information or data that is received from IoT devices such time, location, etc. to further complement data integrity and security.

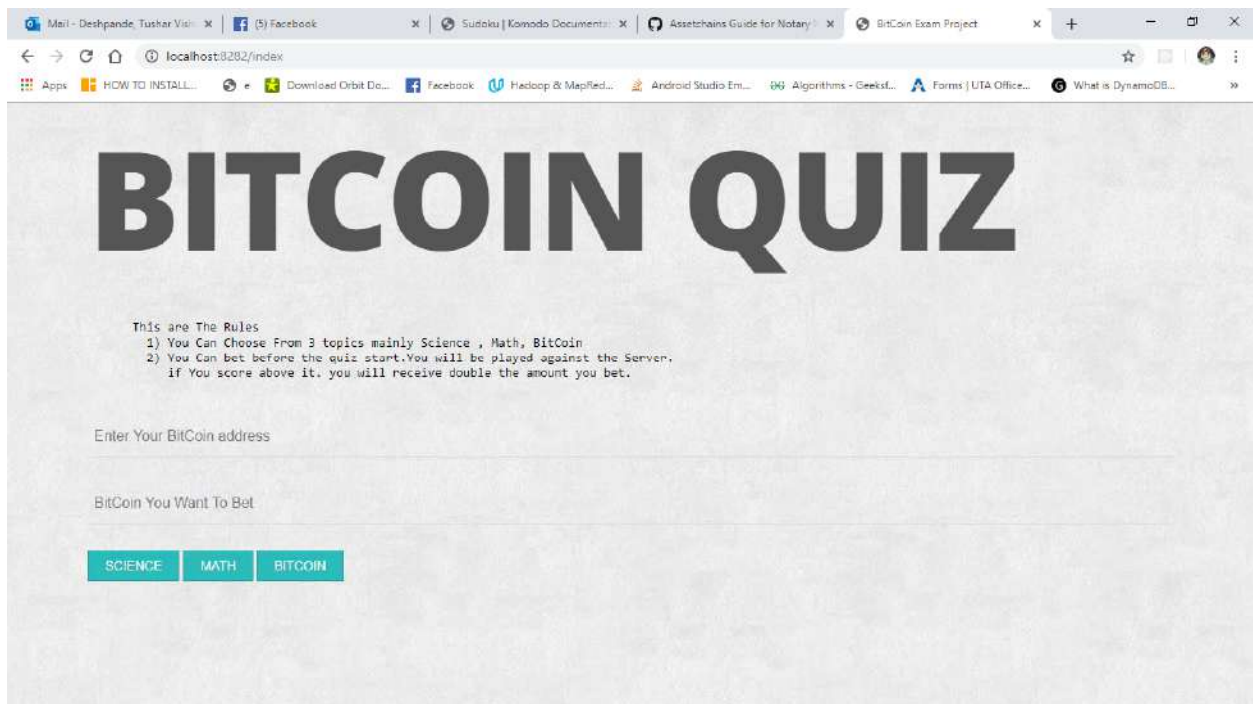
Blockchain-Educational

Rank #1

Bitcoin Quiz by Tushar Vishvas Deshpande

Email: tusharvishvas.deshpande@mavs.uta.edu

Blockchain: Komodo



Features:

- Student will receive coins based on correct answers provided for a quiz.
- The coin transaction uses Komodo.
- Users can take a test and obtain coins if they score above some pre-determined score.
- User can choose from different tests.

Blockchain-Utility

Summer 2019

Rank #1

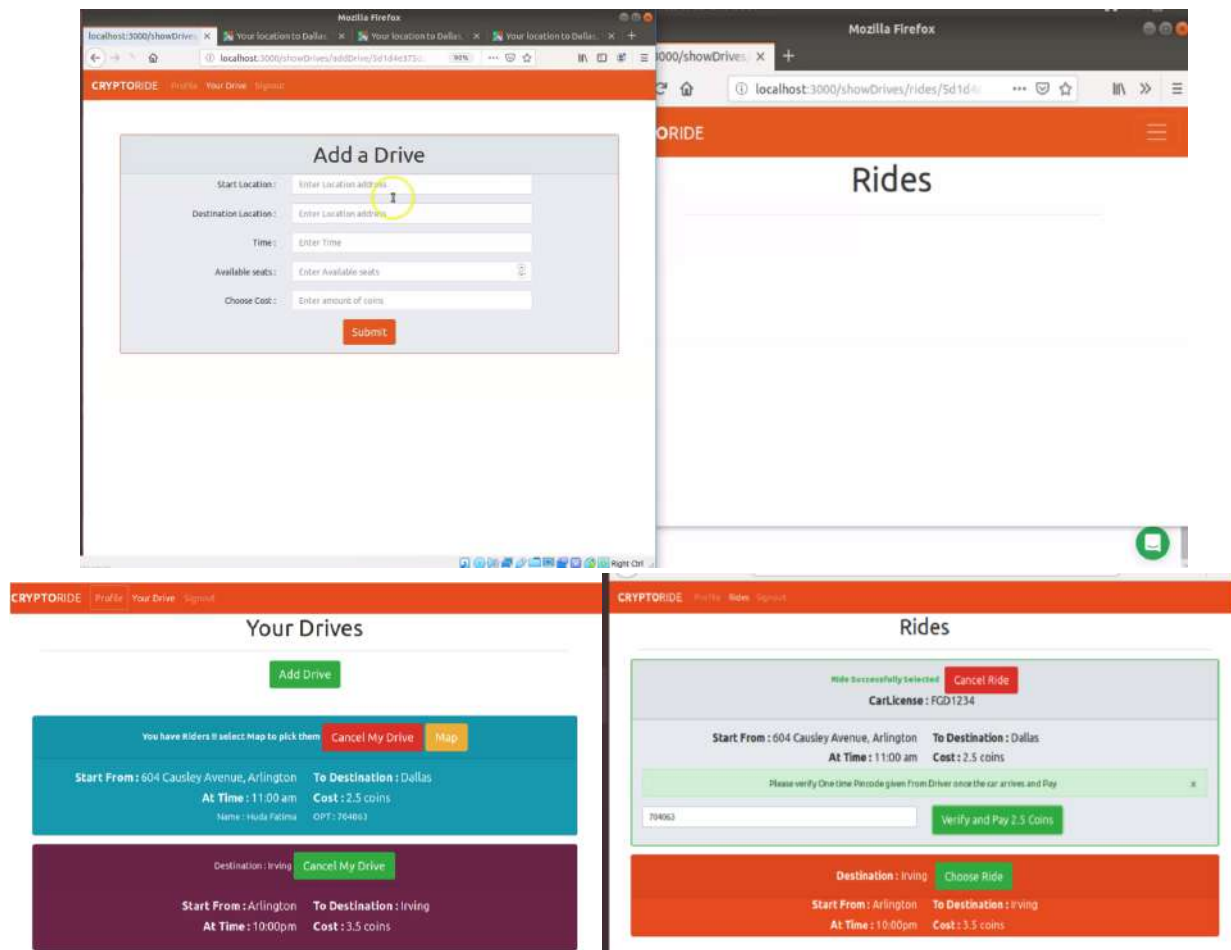
Project Name: Crypto-Ride

Author: Hafsa Fatima

E-mail: hafsa.fatima@mavs.uta.edu

Blockchain Platform: Komodo

Category: Utility application of blockchain



Features:

- Ride-share with crypto-coins
- Join as a rider or passenger and pay with coins for shared rides
- Good and scalable idea
- Accessible on Mobile devices
- Integration with Google maps

Rank #2

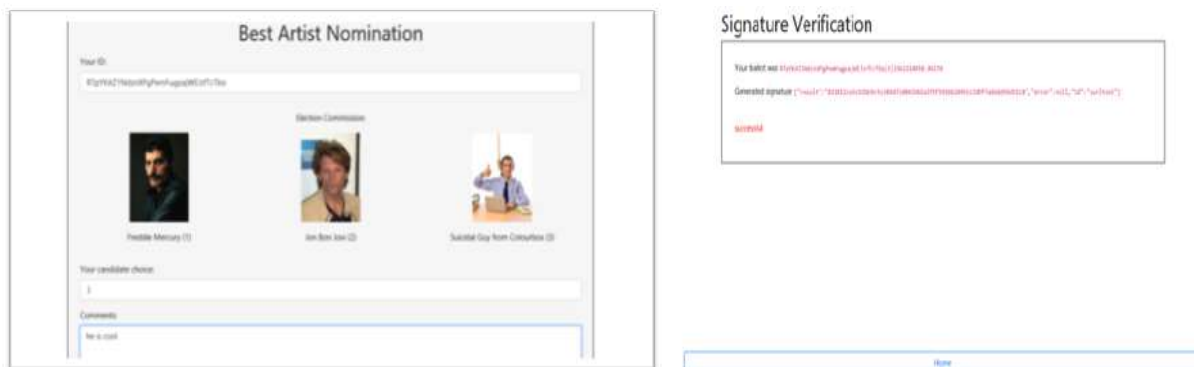
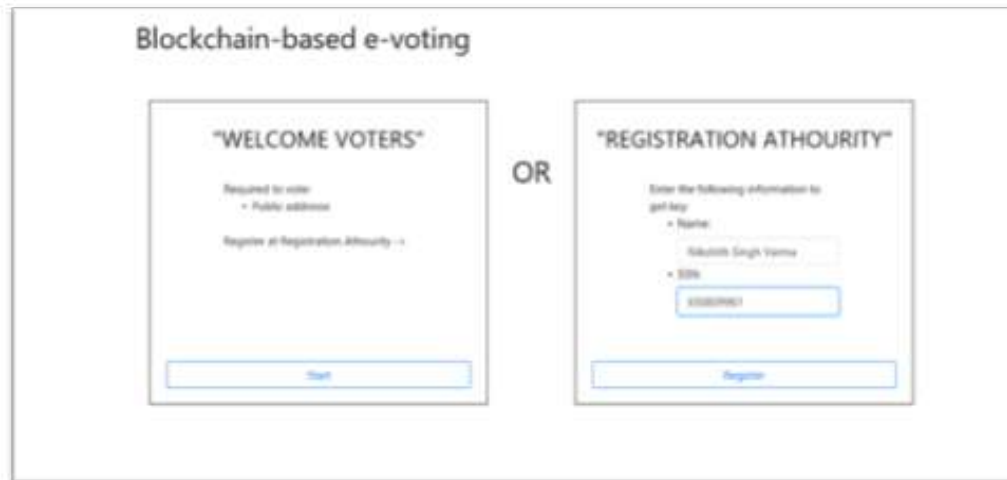
Project Name: E-voting

Author: Nikshith Singh Varma

E-mail: nikshithsingh.varma@mavs.uta.edu

Blockchain Platform: Komodo

Category: Utility application of blockchain



Features:

- Voters registers to Registration authority
- E-voting application provides voters with key
- The idea of combine blockchain and voting system is noval

Rank #3

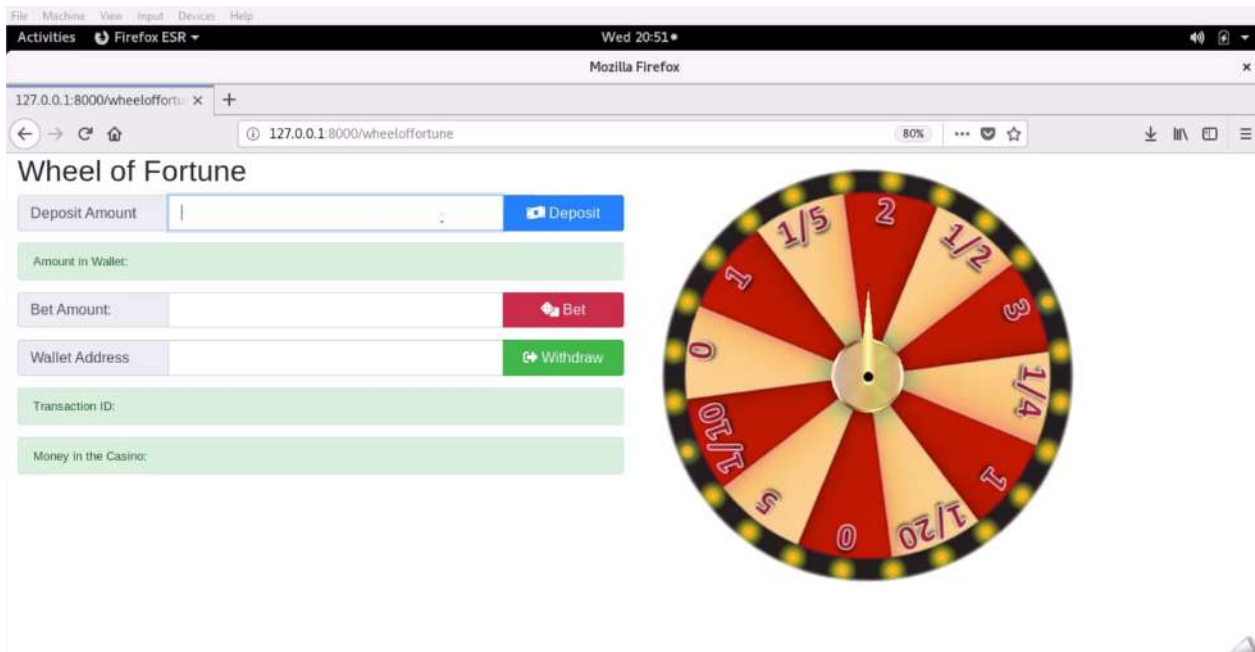
Project Name: Wheel of Fortune

Author: Shoan Pinto

E-mail: shoanherman.pinto@mavs.uta.edu

Blockchain Platform: Komodo

Category: Game with blockchain



Features:

- User can bet coins on Roulette wheel number and win coins for each match
- **Major functionalities:** 1) Player needs to deposit coins; 2) Player bets money and rolls the wheel of fortune; 3) User can withdraw to his wallet by providing the address

Rank #4

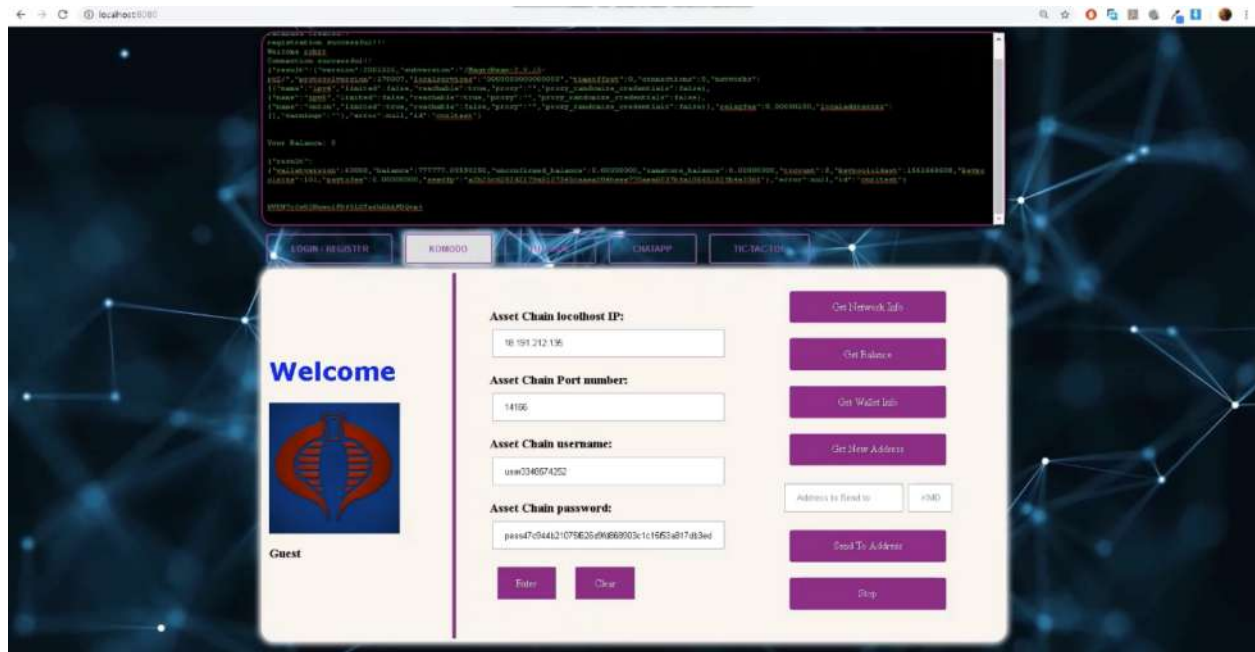
Project Name: Komodo-GUI

Author: Rohit Santosh Nagvenkar

E-mail: rohitsantosh.nagvenkar@mavs.uta.edu

Blockchain Platform: Komodo

Category: Utility application and Game with blockchain



Features:

- GUI for komodo with other utilities like TicTacToe Game and Chat
- Incorporating multiple commands and interacting with different users
- Able to run komodo API commands such as adding a node, getaddress and walletinfo
- Mine the node by playing a mini game with different users

Rank #5

Project Name: RAM-CHAIN

Author: Venkata Sai Manoj Twarakavi

E-mail: venkatasaimanoj.twarakavi@mavs.uta.edu

Blockchain Platform: Komodo

Category: Utility application of blockchain



Features:

- Created an online portal to pay apartment rents through coins
- Payment of Rent for apartments
- Apartment wise rent
- Decentralized payment for all in house tenants
- Permanent record of tenants' rental payment because of the Blockchain Backend

FALL 2019

RANK #1

Project: CryptoScholar

Team Members: Navaneeth Thekkumpat, Christopher Barnwell

Email: navaneeth.thekkumpat@mavs.uta.edu, christopher.barnwell@mavs.uta.edu

Blockchain: Komodo

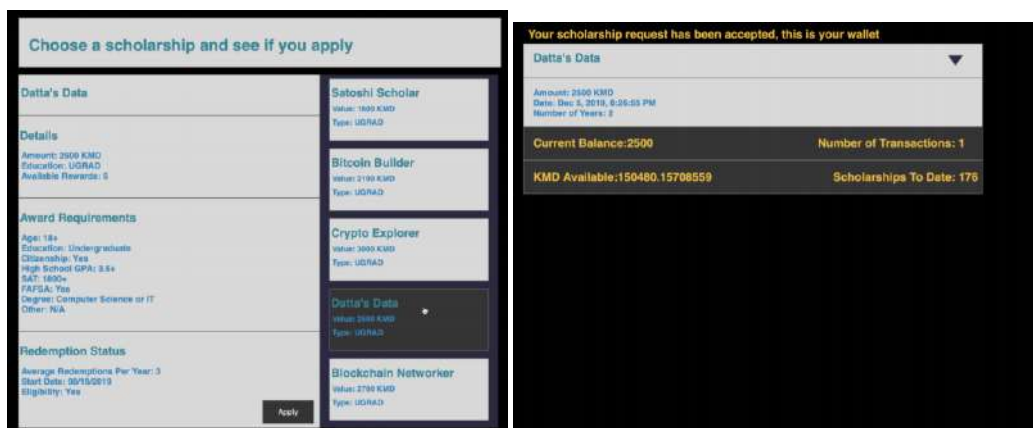
Category: Blockchain-Utility

Concept: CryptoScholar would be an application where parents and students could receive scholarship money through Komodo cryptocurrency. Cryptocurrency is a great investment for a student's future. Cryptocurrency and blockchain platforms have the ability to replace bonds bought from the state for education as they hold less fluctuation in the face of government issues. We went through many small iterations, trying to figure out what should and shouldn't be part of this sort of application. We created the bare minimum product which simply lets a user apply to a scholarship, view a set of cached transaction information, and view their wallet balance as well their number of total transactions.

Features:



- dynamic scholarship application and give the ability for the user to look at their transactions over time
- select information from the blockchain transactions for the user to view their previous scholarship transactions
- design decisions were influenced by the concept of what is good practice for blockchain applications, so we revised our project multiple times as some traditional bonds/fund/scholarship parts are not suitable for blockchain unless we reimagine certain conventional centralized concepts.



FALL 2019

RANK #2

Project: ProctoMon

Team Members: Sarathy Venkatesh TJ and Veena Ahir

Email: sarathyvenkates.thoppejeyapraka@mavs.uta.edu, veenaraju.ahir@mavs.uta.edu

Blockchain: Komodo

Category: Blockchain-Utility

Concept:

A proctor monitors tests and exam. The purpose is simply to provide accountability, making sure students do not cheat or manipulate the test in any way.

Features

1. Project has been implemented using NodeJS and Komodo as the backend blockchain.
2. Disable Copy paste functionality and enable full-screen window while taking tests.
3. Authentication using the webcam.
4. Virtual Proctor analysis.
5. Students and School can extract score sheet/transcripts directly with the hash value.



Welcome to ProcMon
Take tests. Anywhere. Everywhere.

Name
Your name goes here

Enter your ID
Your ID goes here

Enter your bitcoin address
Please do not type in your private address here

Enter Quiz

FALL 2019

RANK #3

Project: Vaultz

Name: Thinnappan, Balasubramanian

Email: balsubramanian.thinnappan@mavs.uta.edu

Blockchain: Komodo

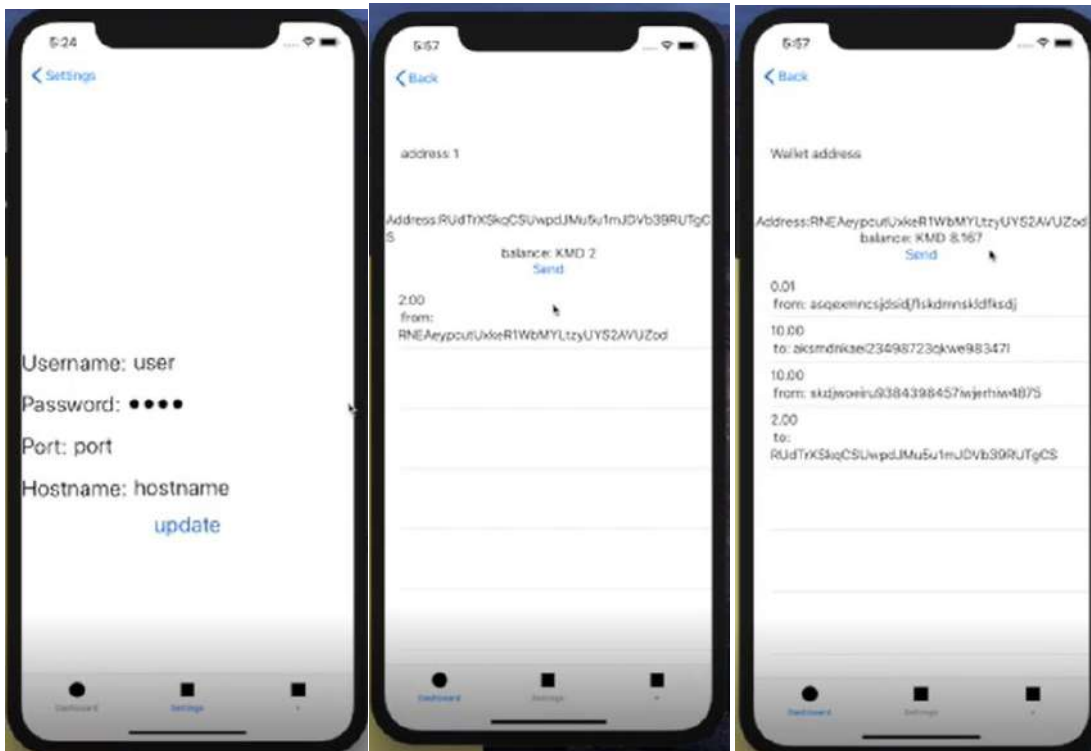
Category: Komodo Wallet/RPC interface

Concept:

Vaultz is an iOS application that allows users to send, receive and participate in the Komodo blockchain. The aim is to create an elegant and simple application that allows any user to make use of the assets in the Komodo blockchain.

Functionalities: These are the major functionalities that the application will have:

1. Will be able to create new Komodo wallet.
2. Will be able to send and receive Komodo assets.
3. Will be able to view transactions for a particular wallet.
4. Will have apple watch support
5. User will be able to set the credentials for the Komodo server.



FALL 2019

RANK #4

Project: Windows Application for Komodo RPC

Team Members: Daga, Harsh Kishan

Email: harshkishan.daga@mavs.uta.edu

Blockchain: Komodo

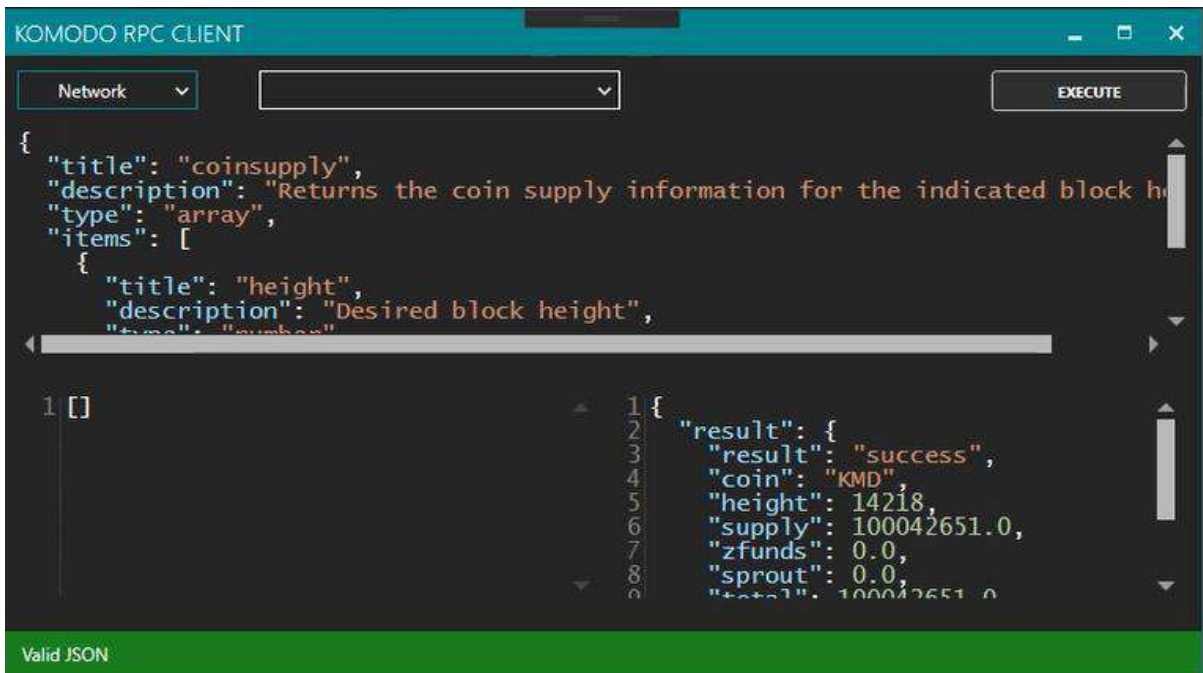
Category: Komodo Wallet/RPC interface

Concept:

A Windows application that allows users to send, receive and participate in the Komodo blockchain. The aim is to create interface that allows any user to make use of the smart chain in the Komodo blockchain.

Features:

1. windows GUI for Komodo wallet.
2. send and receive Komodo assets.
3. All Komodo Smart Chain API implemented.



FALL 2019

RANK #5

Project: Ballot – Decentralized Voting Application Using smart contract

Team :Rahul Thapar and Shashank Shekhar

Email: rahul.thapar@mavs.uta.edu, shashank.shekhar2@mavs.uta.edu

Blockchain: Komodo

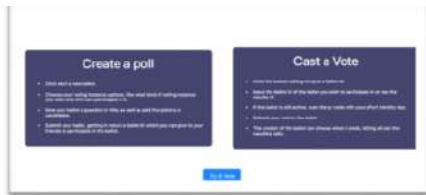
Category: Blockchain-Utility

Concept:

This app is not limited to just election voting, but polling in general. Users would be able to set up their own polls within seconds. Privacy settings would be controlled by the user.

Features

1. Create polls instantly by anyone on any platform. (Desktop/Mobile)
2. Restrict user to cast multiple votes (prevent duplicate votes).
3. Restrict false or duplicate users to register on the app and Single Auth system using blockchain.



Brief description of the project



Creating a poll



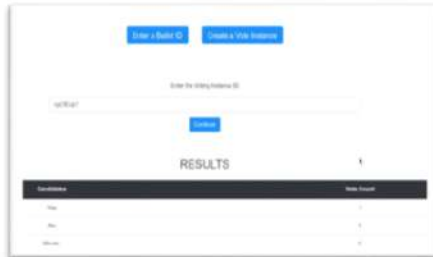
Ballot ID Generated



No ballot can be found with the Inputted ID



QR Code Generated



Poll Results

FALL 2019

RANK #5

Project: HELPING HAND

Team Members: Chaudhary, Rajat and Bouddh, Vimlendra

Email: rajat.chaudhary@mavs.uta.edu, vimlendra.bouddh@mavs.uta.edu

Blockchain: Bitcoin

Category: Blockchain-Utility

Concept : Floods, wildfires, tornadoes, earthquakes, hurricanes, tsunamis, war, terror attacks, famine, drought. Many of these disasters cannot be prevented or avoided. These disasters cause severe damage and destruction, and often lead to loss of life. So, HELPING HAND is a donation website that would accept payment/donations in cryptocurrency. The intention is to connect all organization that can accept donations using the website.

Features:

- Web and mobile App.
- Donations can be accepted via a personal Quick Response (QR) code linked to a Bitcoin address.

