

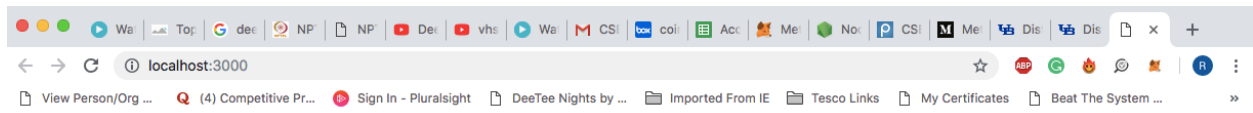
**CSE 586**  
**Project 3 Phase 1**  
**Name: Rajiv Ranjan Ub id: 50249099**  
**Report**

Phase 1: (30%) Install all the required software needed. Download and install the Ethereum blockchain node as instructed in the instructions in Appendix A and B. Now create a key pair identifying your peer node to the blockchain and an account number for coin transfer: instructions for these are given. You will be interacting with a Coin app that has been deployed already. Now you are ready to transact on the chain using the transactions for sending and receiving coins that you are given. You can send and receive coins using your account addresses. Have some fun with your friends in the class. Don't be afraid, you can interact as many times as you want. We want see significant load on the chain. This project is limited to ONLY students from this class. Please follow this rule strictly. We don't want the blockchain overloaded. We want to simulate a permissioned /private chain. Don't wait till the last minute. We may undeploy the application after sometime. Estimated time for installation – 1day, you can interact all you want.

Soln:

I have screenshots of two transactions below:

Initial Screen



## Coin Transaction

Minter : 0xfba3241edd5b892e8d7003a073674b6570f62a20

Current account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

### Check Balance

Account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

Balance :

Balance

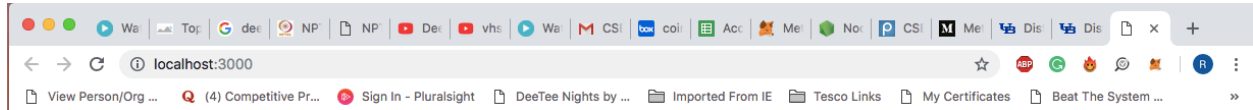
### Send Coin

To Address:

Amount :

Send

Initial Coin: 100



## Coin Transaction

Minter : 0xfba3241edd5b892e8d7003a073674b6570f62a20

Current account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

### Check Balance

Account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

Balance : 100

Balance

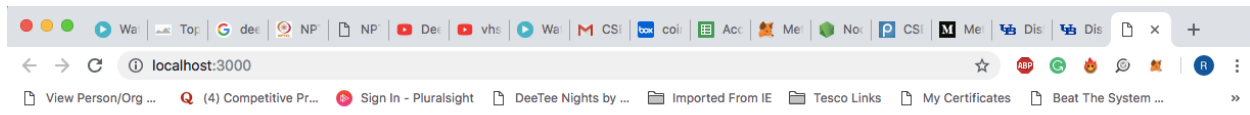
### Send Coin

To Address:

Amount :

Send

Sending 1 Coin



## Coin Transaction

Minter : 0xfba3241edd5b892e8d7003a073674b6570f62a20  
Current account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

### Check Balance

Account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

Balance :

Balance

### Send Coin

To Address:

Amount :

Send

MetaMask showing the transaction:

MetaMask Notification

CONFIRM TRANSACTION

?


Private Network

Account 1


849851...1C16

20.000 ETH

2992.80 USD



>



FD6e2C...2408

Amount

0 ETH

0.00 USD

Gas Limit

UNITS

Gas Price

GWEI

Max Transaction Fee

0.000053 ETH

0.01 USD

Max Total

0.000053 ETH

0.01 USD

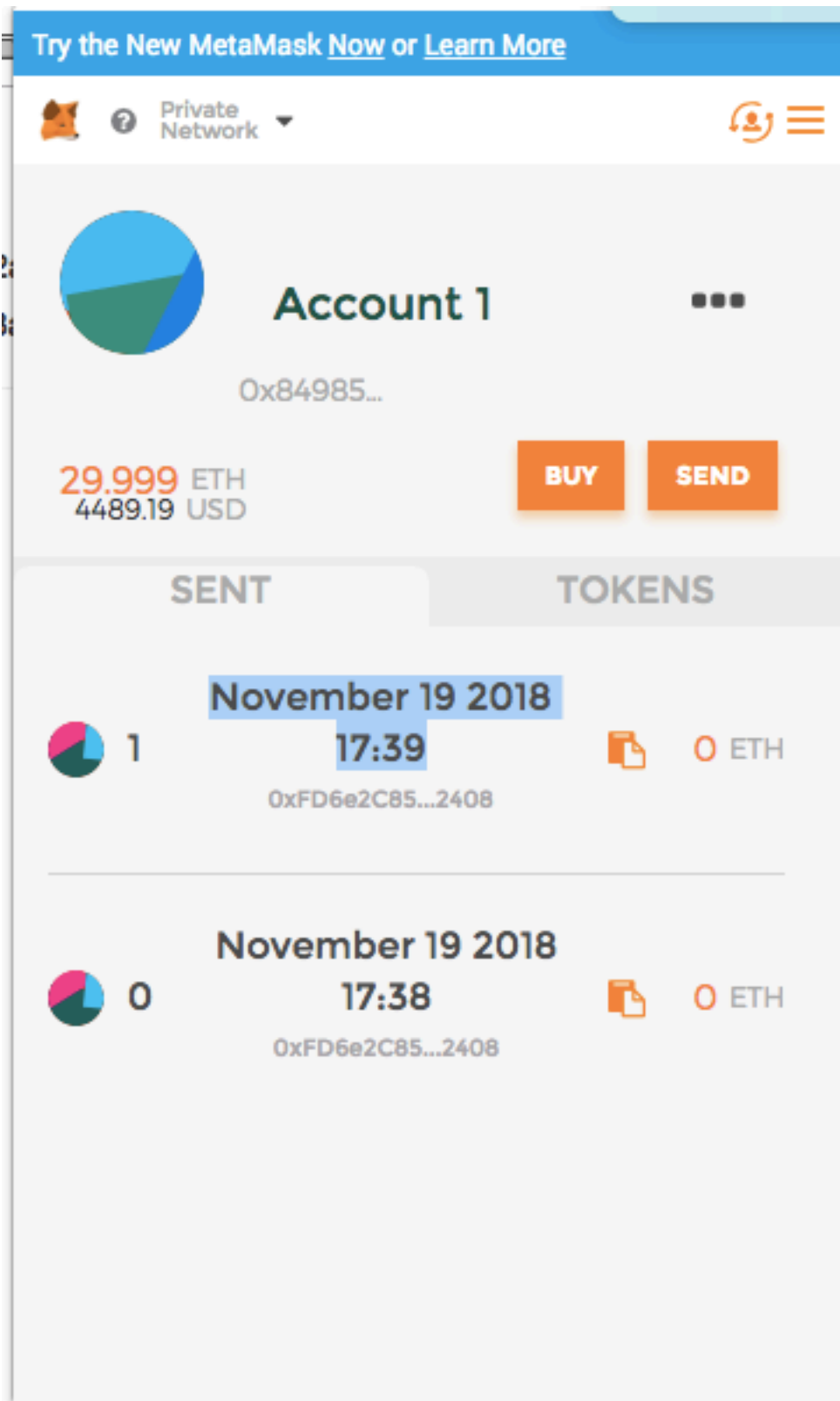
Data included: 68 bytes

RESET

SUBMIT

REJECT

Now showing it on MetaMask, the transaction:



Transaction 2:

Initial Balance: 189 coins

**Coin Transaction**

Minter : 0xfba3241edd5b892e8d7003a073674b6570f62a20  
Current account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

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### Check Balance

Account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

Balance :

### Send Coin

To Address:

Amount :

Transaction : 30 coins

Watec | Top | deep | NPT | NPT | Dee | vhs | Watec | CSE | coin | Acco | Met | Distr | Distr | C x | Ethe | +

localhost:3000

View Person/Org ... (4) Competitive Pr... Sign In - Pluralsight DeeTee Nights by ... Imported From IE Tesco Links My Certificates Beat The System ... >>

# Coin Transaction

Minter : 0xfba3241edd5b892e8d7003a073674b6570f62a20

Current account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

Coin transfer: 30 coins were sent from 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16 to 0xa00f961977e0a2a50a4b77ed6611d62755cb096a.

## Check Balance

Account : 0x849851517e7bc57b2a7dcf20a9bf7ba13ad01c16

Balance :

Balance

## Send Coin

To Address:

Amount :

Send

Final : 159 coins



## MetaMask Notification

### CONFIRM TRANSACTION



Private  
Network

#### Account 1

849851...1C16

29.999 ETH

4529.99 USD



FD6e2C...2408

Amount

0 ETH  
0.00 USD

Gas Limit

53658

UNITS

Gas Price

1

GWEI

Max Transaction Fee

0.000053 ETH  
0.01 USD

Max Total

0.000053 ETH  
0.01 USD

Data included: 68 bytes

RESET

SUBMIT

REJECT



