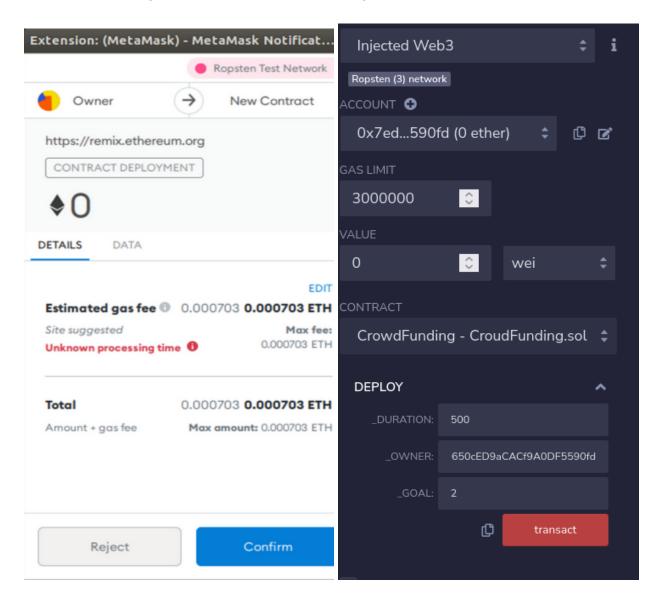
IT465: Cryptocurrencies and Blockchain Technologies Lab Assignment 2

Name: Jaidev Chittoria

Roll No. 1811T119

CrowdFunding

Deploying the contract: Since metamask had limitations on the number of test ethers requested I have made the goal of 2 ethers in the demo along with increased time duration to 500 seconds.

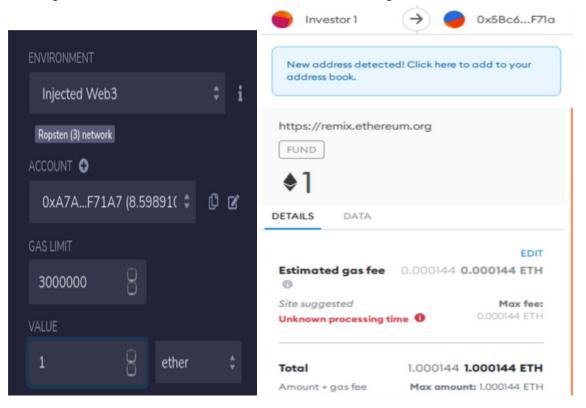


Deployed Contract confirmation:

```
    [block:11246398 txIndex:1] from: 0x19A...0dFC8 to: CrowdFunding.(constructor) value: 0 wei data: 0x608...00002 logs: 0 hash: 0x723...fe3b2

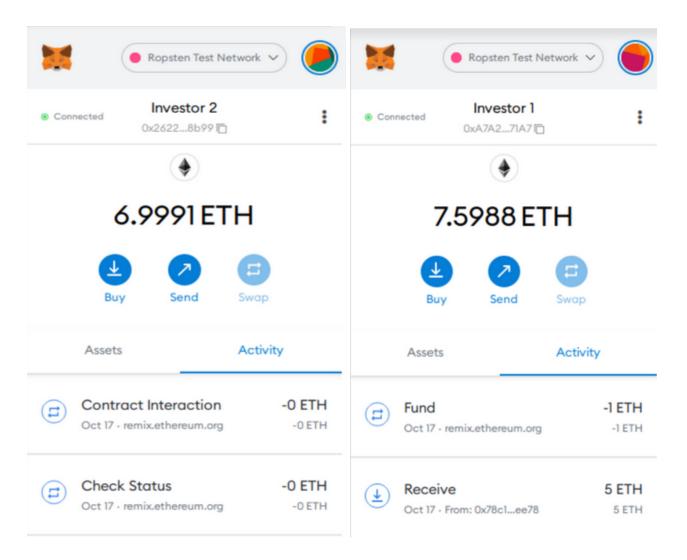
> ■ Proceedings of the process of the
```

Sending 1 ether from investor 1 and investor 2 each making it 2 ether in total:





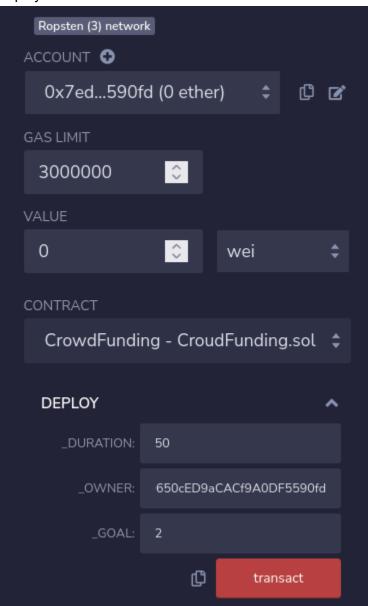
Total balance left:



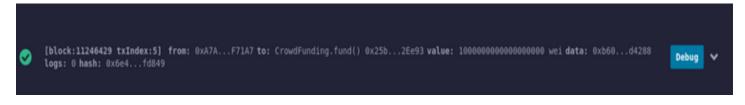
Owner Balance Left:



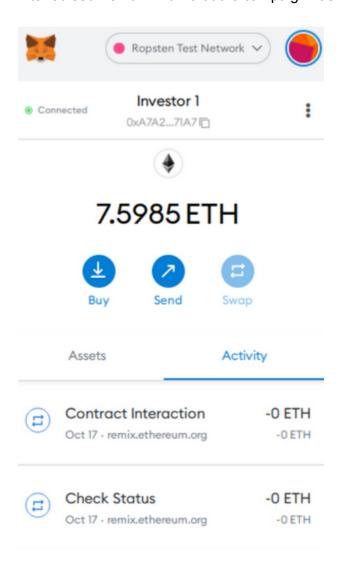
Deploy another contract whose duration is 50 sec:



Send 1 ether from investor 1:

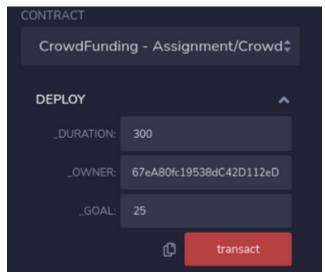


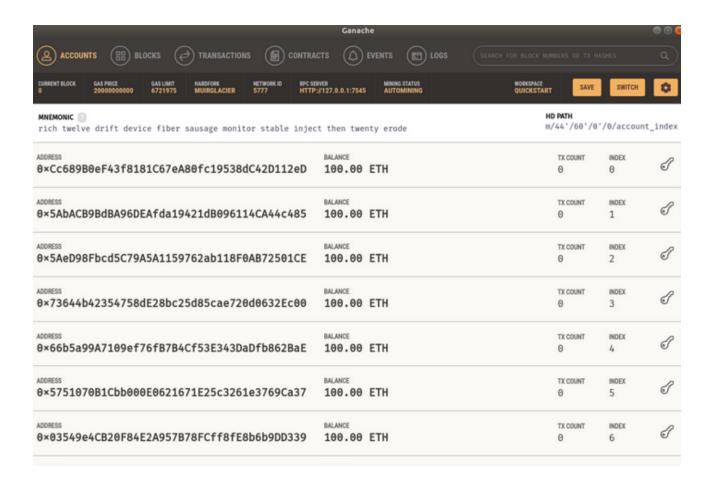
After 50 sec we now know that the campaign has failed. and money returns back to investor 1:



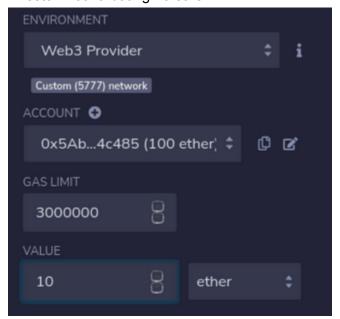
Ganache

Ganache dashboard with 10 accounts with 100 ether each. Contact deployed with 25 ether as a goal:





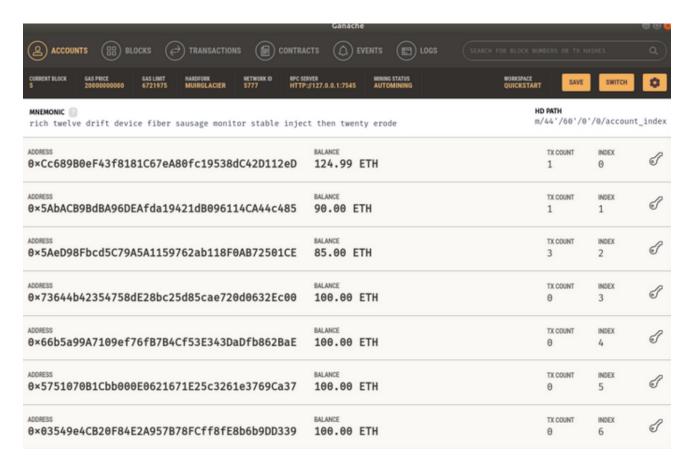
Investor 1 contributing 10 ether:



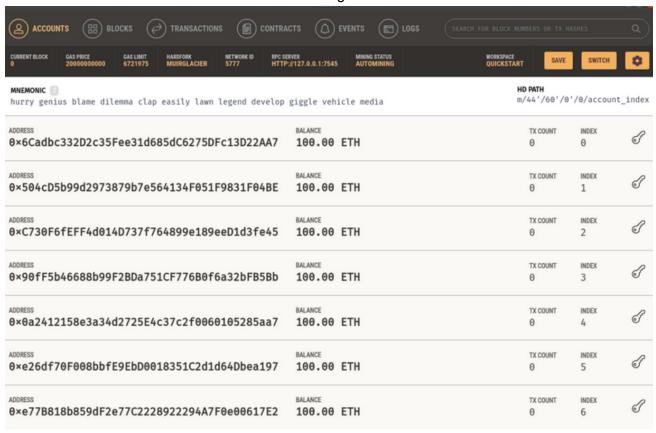
Investor 2 contributing 15 ether.:



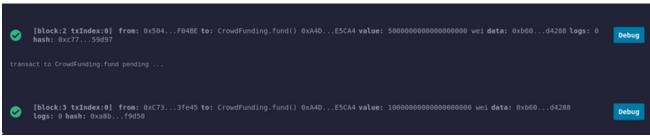
Campaign successful after goal reached:

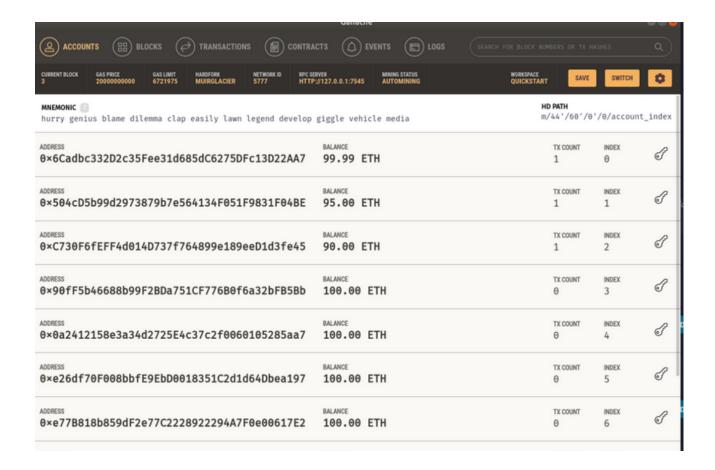


A new contract with a 50-sec duration and 25 ether goal:

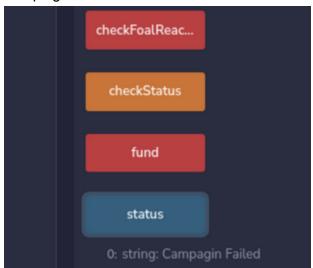


Sending 5 ether from investor 1 and 10 ether from investor 2:



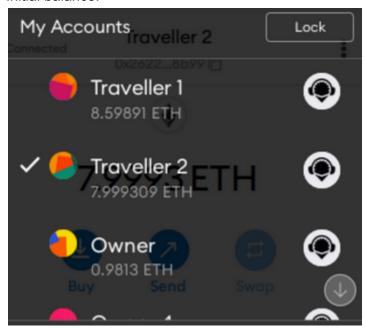


Campaign Fails:

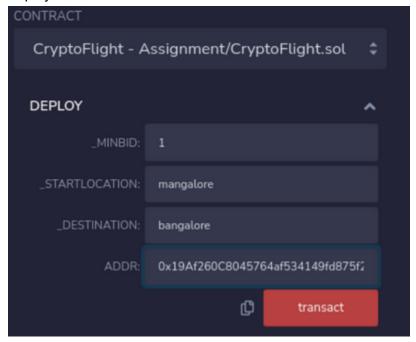


CryptoFlight

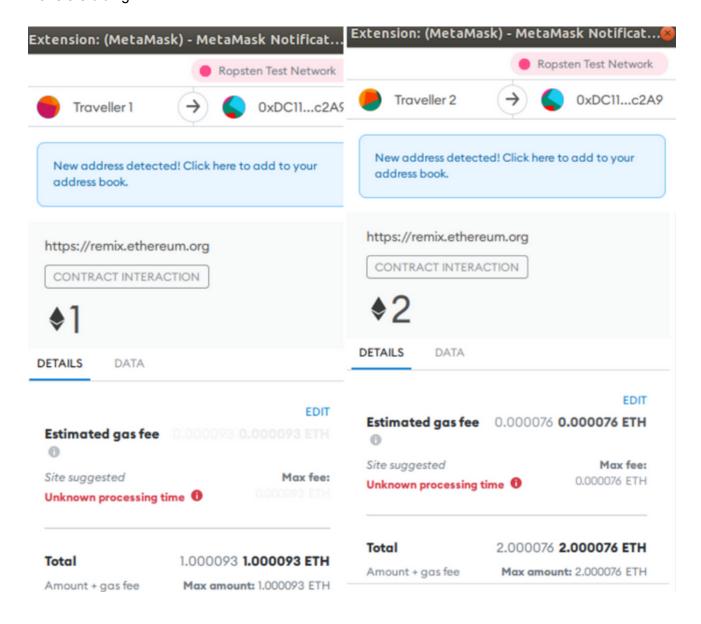
Initial balance:



Deploy the contract with min bid 1 ether:



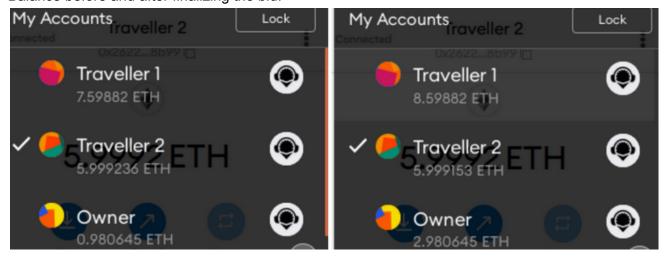
Travelers biding:



Finalize bidding for 1 seat:



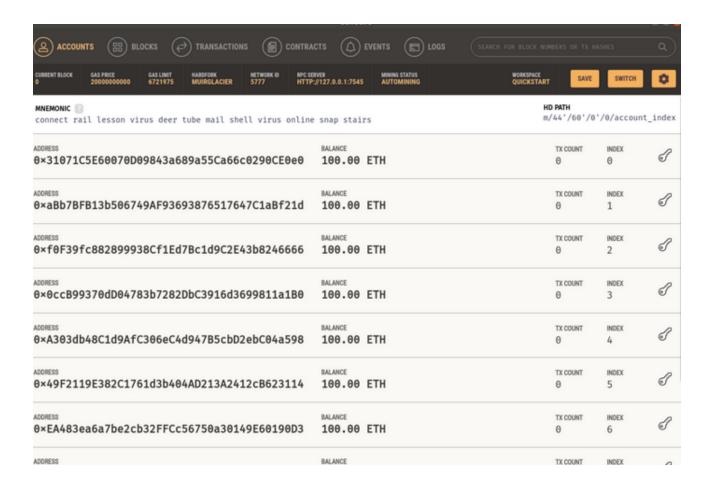
Balance before and after finalizing the bid:



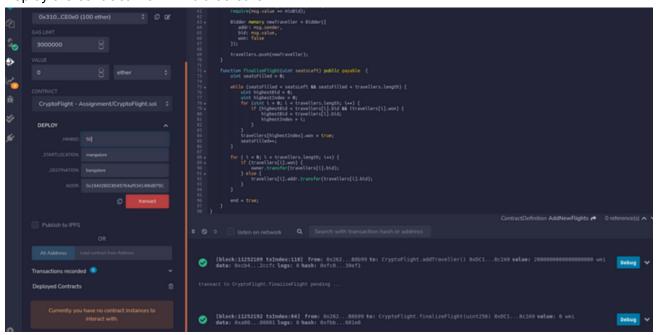
We see that traveler 2 won the bid and got the ticket while traveler 1 bid was returned to him.

Ganache

Initial balance:



Deploy the contract with min bid 50 ether:



Traveler 1 bidding 55 ether:

MNEMONIC [] connect rail lesson virus deer tube mail shell virus online snap stairs		HD PATH m/44'/60'/0	HD PATH m/44'/60'/0'/0/account_index		
ADDRESS 0×31071C5E60070D09843a689a55Ca66c0290CE0e0	BALANCE 99.97 ETH	TX COUNT 2	INDEX 0	S	
ADDRESS 0×aBb7BFB13b506749AF93693876517647C1aBf21d	BALANCE 45.00 ETH	TX COUNT	INDEX	S	
ADDRESS 0×f0F39fc882899938Cf1Ed7Bc1d9C2E43b8246666	BALANCE 100.00 ETH	TX COUNT Ø	INDEX 2	S	
ADDRESS 0×0ccB99370dD04783b7282DbC3916d3699811a1B0	BALANCE 100.00 ETH	TX COUNT Θ	INDEX	S	
ADDRESS 0×A303db48C1d9AfC306eC4d947B5cbD2ebC04a598	BALANCE 100.00 ETH	TX COUNT Θ	INDEX 4	S	
ADDRESS 0×49F2119E382C1761d3b404AD213A2412cB623114	BALANCE 100.00 ETH	TX COUNT Θ	INDEX 5	S	
ADDRESS 0×EA483ea6a7be2cb32FFCc56750a30149E60190D3	BALANCE 100.00 ETH	TX COUNT 0	INDEX	B	

Traveler 2 bidding 60 ether:

MNEMONIC [] connect rail lesson virus deer tube mail shell virus online snap stairs		HD PATH m/44'/60'/0'	HD PATH m/44'/60'/0'/0/account_index		
ADDRESS 0×31071C5E60070D09843a689a55Ca66c0290CE0e0	BALANCE 99.97 ETH	TX COUNT 2	INDEX 0	S	
ADDRESS 0×aBb7BFB13b506749AF93693876517647C1aBf21d	BALANCE 45.00 ETH	TX COUNT	INDEX	S	
ADDRESS 0×f0F39fc882899938Cf1Ed7Bc1d9C2E43b8246666	BALANCE 40.00 ETH	TX COUNT	INDEX	S	
ADDRESS 0×0ccB99370dD04783b7282DbC3916d3699811a1B0	BALANCE 100.00 ETH	TX COUNT Θ	INDEX	S	
ADDRESS 0×A303db48C1d9AfC306eC4d947B5cbD2ebC04a598	BALANCE 100.00 ETH	TX COUNT Θ	INDEX	S	
ADDRESS 0×49F2119E382C1761d3b404AD213A2412cB623114	BALANCE 100.00 ETH	TX COUNT 0	INDEX	S	
ADDRESS 0×EA483ea6a7be2cb32FFCc56750a30149E60190D3	BALANCE 100.00 ETH	TX COUNT 0	INDEX	S	

Traveler 3 bidding 70 ether:

NEMONIC [] onnect rail lesson virus deer tube mail shell virus online snap stairs		HD PATH m/44'/60'/0'/	HD PATH m/44'/60'/0'/0/account_index		
ADDRESS 0×31071C5E60070D09843a689a55Ca66c0290CE0e0	BALANCE 99.97 ETH	TX COUNT 2	index 0		
ADDRESS 0×aBb7BFB13b506749AF93693876517647C1aBf21d	BALANCE 45.00 ETH	TX COUNT	INDEX 1		
ADDRESS 0×f0F39fc882899938Cf1Ed7Bc1d9C2E43b8246666	BALANCE 40.00 ETH	TX COUNT	INDEX 2		
ADDRESS Θ×θccB9937θdD04783b7282DbC3916d3699811a1Bθ	BALANCE 30.00 ETH	TX COUNT	INDEX 3		
ADDRESS 0×A303db48C1d9AfC306eC4d947B5cbD2ebC04a598	BALANCE 100.00 ETH	TX COUNT Θ	INDEX 4		
ADDRESS 0×49F2119E382C1761d3b404AD213A2412cB623114	BALANCE 100.00 ETH	TX COUNT θ	INDEX 5		
ADDRESS 0×EA483ea6a7be2cb32FFCc56750a30149E60190D3	BALANCE 100.00 ETH	TX COUNT Θ	INDEX 6		

Finalize bidding for 2 seats:



Final balance. We can see travelers 2 and 3 won the bid and traveler 1 got his bid returned:

MNEMONIC [] connect rail lesson virus deer tube mail shell virus online snap stairs		HD PATH m/44*/60*/8	HD PATH m/44'/60'/0'/0/account_index		
ADDRESS 0×31071C5E60070D09843a689a55Ca66c0290CE0e0	BALANCE 229.97 ETH	TX COUNT 2	INDEX 0	S	
ADDRESS Θ×aBb7BFB13b506749AF93693876517647C1aBf21d	BALANCE 100.00 ETH	TX COUNT	INDEX	S	
ADDRESS 0×f0F39fc882899938Cf1Ed7Bc1d9C2E43b8246666	BALANCE 40.00 ETH	TX COUNT	INDEX	S	
ADDRESS 0×0ccB99370dD04783b7282DbC3916d3699811a1B0	BALANCE 30.00 ETH	TX COUNT 2	INDEX	S	
ADDRESS 0×A303db48C1d9AfC306eC4d947B5cbD2ebC04a598	BALANCE 100.00 ETH	TX COUNT 0	INDEX 4	S	
ADDRESS 0×49F2119E382C1761d3b404AD213A2412cB623114	BALANCE 100.00 ETH	TX COUNT Θ	INDEX 5	S	
ADDRESS 0-EA/0200507h020h22EEC0EE7E00201/0E60100D2	BALANCE	TX COUNT	INDEX	R	