

ETHEREUM TO DO LIST

ABOUT THE PROJECT

A blockchain based ToDoList that runs on Ethereum Networks. Every task added or completed triggers a smart contract and is counted as a transaction on the blockchain. A new block is mined for every transaction. The Wallet balance before and after every transaction also reflects on Metamask Wallet (or any Ethereum Wallet).

TECH STACK USED

Solidity, Javascript, Truffle, Ganache, HTML, CSS

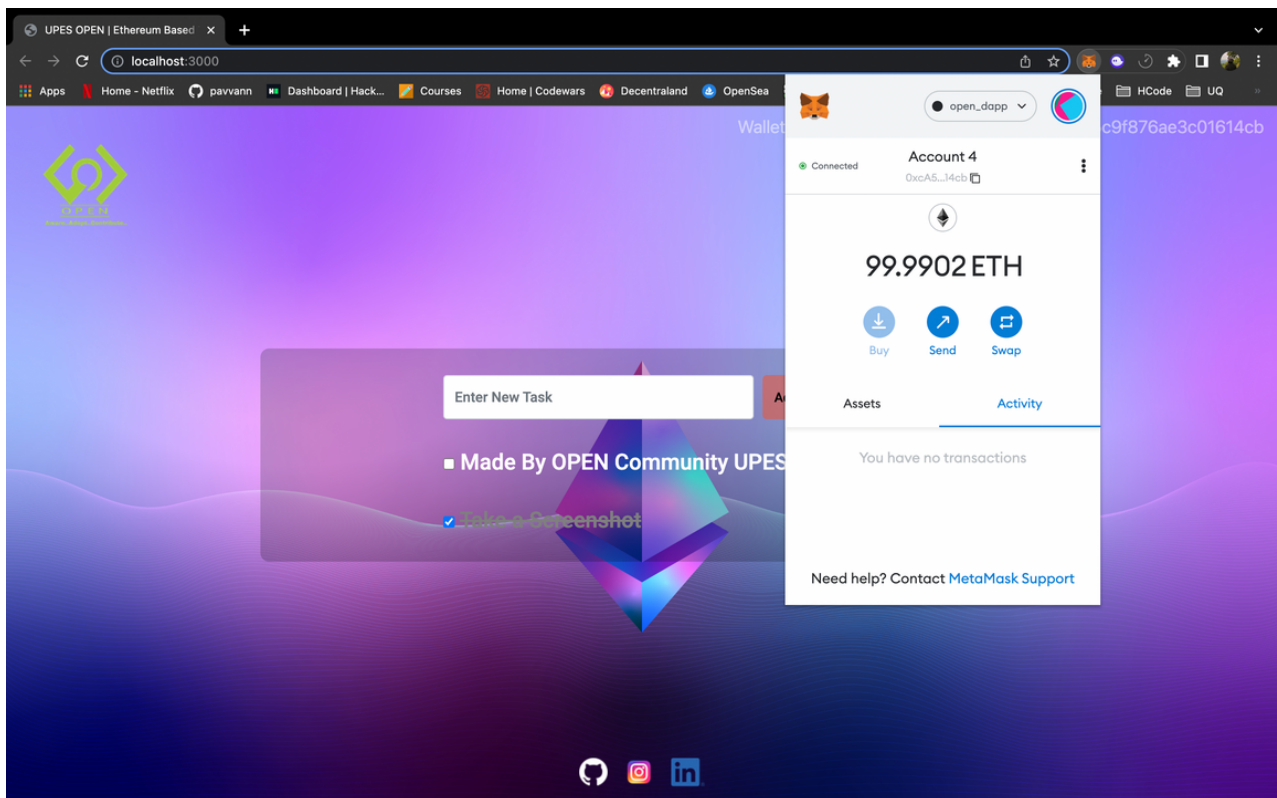
CONTRIBUTORS

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Date: 26/05/2022

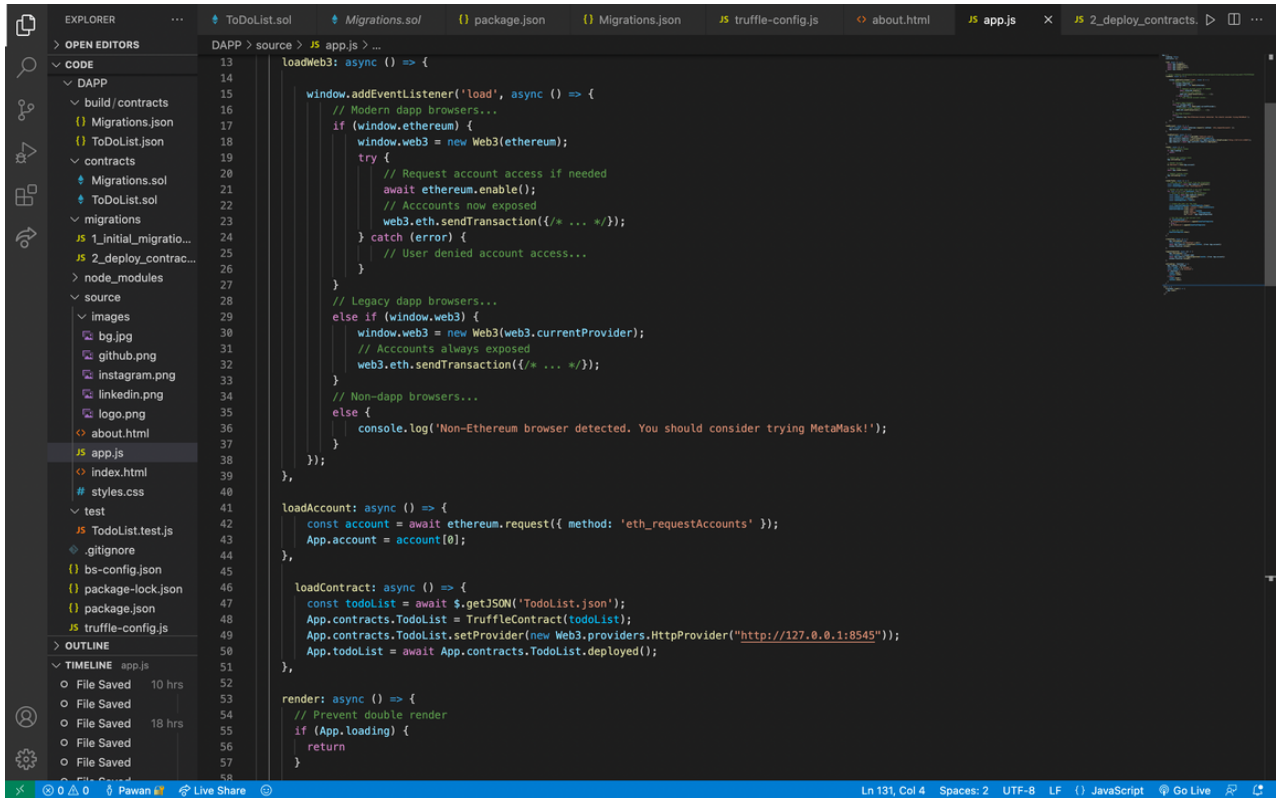
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SCREENSHOTS





ACCOUNTS				BLOCKS	TRANSACTIONS	CONTRACTS	EVENTS	LOGS	SEARCH FOR BLOCK NUMBERS OR TX HASHES	
CURRENT BLOCK 35	GAS PRICE 20000000000	GAS LIMIT 6721975	HARDFORK MUIRGLACIER	NETWORK ID 1337	RPC SERVER HTTP://127.0.0.1:8545	MINING STATUS AUTOMINING		WORKSPACE OPEN_DAPP	SWITCH	
MNEMONIC zebra slender glance dice judge honey proof slide few nut chase tortoise								HD PATH m/44'/60'/0'/0/account_index		
ADDRESS				BALANCE		TX COUNT		INDEX		
0x5242981AD83e55A9baA6fc263BAb5a36CBbBa123				99.88 ETH		24		0		
ADDRESS				BALANCE		TX COUNT		INDEX		
0xcA5F1c4bEaa8c969AdbDAC5c9f876Ae3C01614cb				99.99 ETH		11		1		
ADDRESS				BALANCE		TX COUNT		INDEX		
0xeE0291B4080FceE954B30a0f9F23758481a776A8				100.00 ETH		0		2		
ADDRESS				BALANCE		TX COUNT		INDEX		
0xb5497071870348475378050C1bF61Fed68d95Ba9				100.00 ETH		0		3		
ADDRESS				BALANCE		TX COUNT		INDEX		
0xb4a9Ac8a8FCcf858ee005DcA306b817597817c20				100.00 ETH		0		4		
ADDRESS				BALANCE		TX COUNT		INDEX		
0x96355AFD28fC094a643f0a679a768C08Df3d63Ae				100.00 ETH		0		5		
ADDRESS				BALANCE		TX COUNT		INDEX		
0x47BC8733741F1ff39a6f7f42e4308db8F50da837				100.00 ETH		0		6		
ADDRESS				BALANCE		TX COUNT		INDEX		
0x3FC4461eb9a995A2F74509580944A1D5a56fEAfe				100.00 ETH		0		7		
ADDRESS				BALANCE		TX COUNT		INDEX		
0x80855fa64D8C3c5016f05E8eDEcf23C219164649				100.00 ETH		0		8		



```

13 loadWeb3: async () => {
14
15   window.addEventListener('load', async () => {
16     // Modern dapp browsers...
17     if (window.ethereum) {
18       window.web3 = new Web3(ethereum);
19       try {
20         // Request account access if needed
21         await ethereum.enable();
22         // Accounts now exposed
23         web3.eth.sendTransaction({/* ... */});
24       } catch (error) {
25         // User denied account access...
26       }
27     }
28     // Legacy dapp browsers...
29     else if (window.web3) {
30       window.web3 = new Web3(web3.currentProvider);
31       // Accounts always exposed
32       web3.eth.sendTransaction({/* ... */});
33     }
34     // Non-dapp browsers...
35     else {
36       console.log('Non-Ethereum browser detected. You should consider trying MetaMask!');
37     }
38   });
39 },
40
41 loadAccount: async () => {
42   const account = await ethereum.request({ method: 'eth_requestAccounts' });
43   App.account = account[0];
44 },
45
46 loadContract: async () => {
47   const todoList = await $.getJSON('ToDoList.json');
48   App.contracts.TODOList = TruffleContract(todoList);
49   App.contracts.TODOList.setProvider(new Web3.providers.HttpProvider("http://127.0.0.1:8545"));
50   App.todoList = await App.contracts.TODOList.deployed();
51 },
52
53 render: async () => {
54   // Prevent double render
55   if (App.loading) {
56     return
57   }
58 }

```

GITHUB URL :

<https://github.com/upes-open/DAPP>