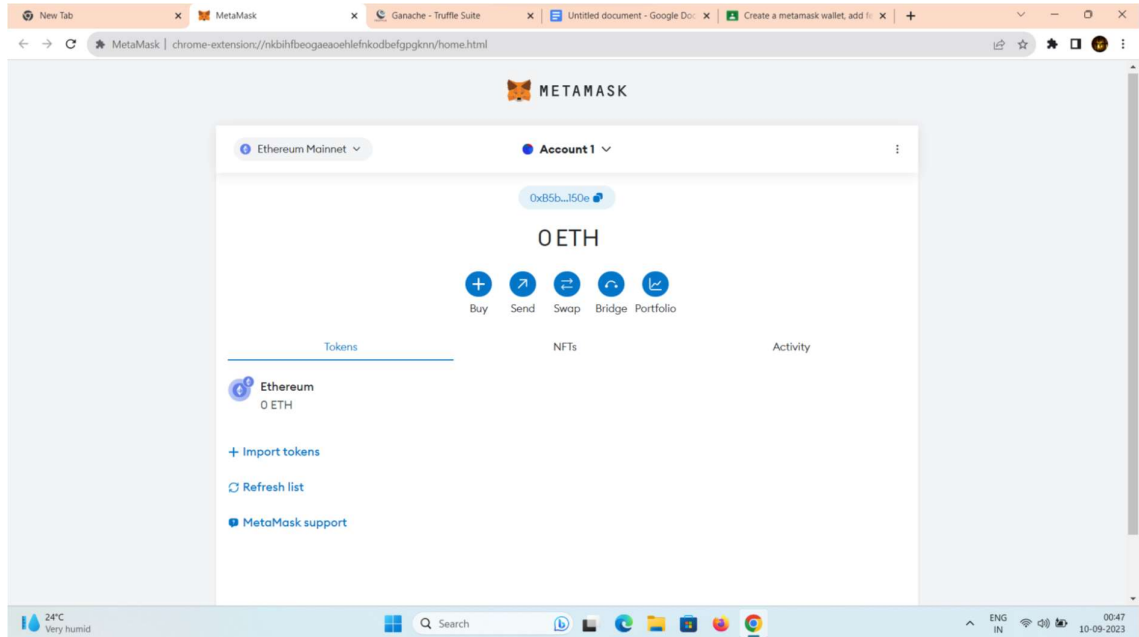Dhaval Patel
M.sc. (CS) Sem-3 Er no: 03220030002034

Q. Create a metamask wallet, add few ether to it and perform financial transactions using ethereum test network. Observe details of transactions and changes in test blockchain.
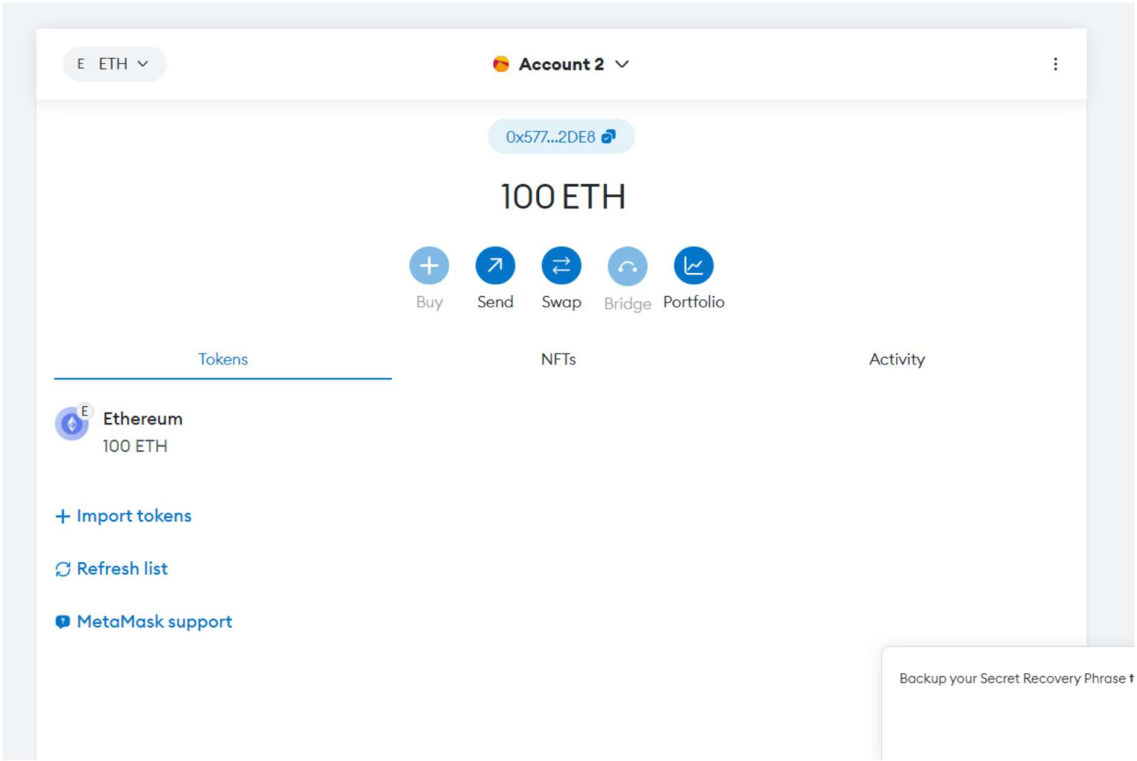
1. Metamask account created

2. For Ethereum test net we will be using "Ganache"
a. https://trufflesuite.com/ganache/

3. Adding ethirum to wallet

Send

0x2D88752bd28C357f758fccc4385554aD87a2Bfc2   ✕

Asset:

⬥ **ETH**
Balance: 100 ETH

Amount:

23 ETH
No conversion rate available   ⇄

Max

Gas *(estimated)* ⓘ   **0.00022156 ETH**

Likely in < 30 seconds   **Max fee:** 0.00028808 ETH

Cancel   **Next**

MetaMask (Account 2)

E ETH ⌄ — 🦊 Account 2 ⌄ — ⋮

0x577...2DE8 📋

77 ETH

| ⊕ Buy | ↗ Send | ⇄ Swap | ↻ Bridge | 📈 Portfolio |

Tokens — NFTs — **Activity**

Sep 10, 2023

↗ᴱ **Send**   **-23 ETH**
Confirmed   -23 ETH

🗨 **MetaMask support**

Backup your Secret Recovery Phrase to

Ganache

ACCOUNTS   BLOCKS   TRANSACTIONS   CONTRACTS   EVENTS   LOGS   SEARCH FOR BLOCK NUMBERS OR TX HASHES 🔍

CURRENT BLOCK	GAS PRICE	GAS LIMIT	HARDFORK	NETWORK ID	RPC SERVER	MINING STATUS	WORKSPACE		
1	20000000000	6721975	MERGE	5777	HTTP://127.0.0.1:7545	AUTOMINING	QUICKSTART	SAVE	SWITCH ⚙

MNEMONIC ❓
print survey false decline skin expose owner amateur exclude pilot soft catch

HD PATH
m44'60'0'0account_index

ADDRESS	BALANCE	TX COUNT	INDEX	
0×5778Fa83dEe1d17bBD8B5D61a1717eC03D9D2DE8	77.00 ETH	1	0	🔑
0×2D88752bd28C357f758fccc4385554aD87a2Bfc2	123.00 ETH	0	1	🔑
ADDRESS	BALANCE	TX COUNT	INDEX	

Send   ✕

Status   View on block explorer

Confirmed   Copy transaction ID

From		To
🟠 0x577...2DE8	→	🔴 0x2D8...Bfc2

Transaction

Nonce	0
Amount	**-23 ETH**
Gas Limit (Units)	21000
Gas Used (Units)	21000
Base fee (GWEI)	0.875
Priority fee (GWEI)	1.5
Total gas fee	0.00005 ETH
Max fee per gas	0.000000015 ETH
Total	**23.00004987 ETH**

＋ Activity log

＋ Transaction created with a value of 23 ETH at 01:15 on 9/10/2023.

✓ Transaction confirmed at 01:15 on 9/10/2023.

⌃ Transaction submitted with estimated gas fee of 0.000238 ETH at 01:15 on 9/10/2023.