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Blockchain CS-B

Report Assignment 1

Q1)

The screenshot shows the Umer Blockchain interface. At the top, it says "Umer Blockchain" and "Next-Gen Decentralized Ledger Technology". Below that is a "Block #0" section. It displays the following data:

NONCE	TRANSACTIONS
12674	1

Below the table, there is a "Genesis Block" entry with a small green icon.

First transaction block mined

The screenshot shows the Umer Blockchain interface. At the top, it says "Umer Blockchain" and "Next-Gen Decentralized Ledger Technology". Below that is a "Block #1" section. It displays the following data:

NONCE	TRANSACTIONS
69431	1

Below the table, there is a transaction entry: "Umer Sends 0780 BTC to Zain" with a small green icon.

Searching

Search Results
"0000d3ad2e" 1 result found

#1 9/19/2025, 8:09:47 PM

HASH 0000d3ad2e...8b000c3af0

PREVIOUS HASH 00006c7299...31d09f9cd9

MERKLE ROOT 10b1ce9a4d...0446b830e1

NONCE 69431

TRANSACTIONS (1)

Umer Sends 0780 BTC to Zain



Q2)

- 1) MetaMask Account

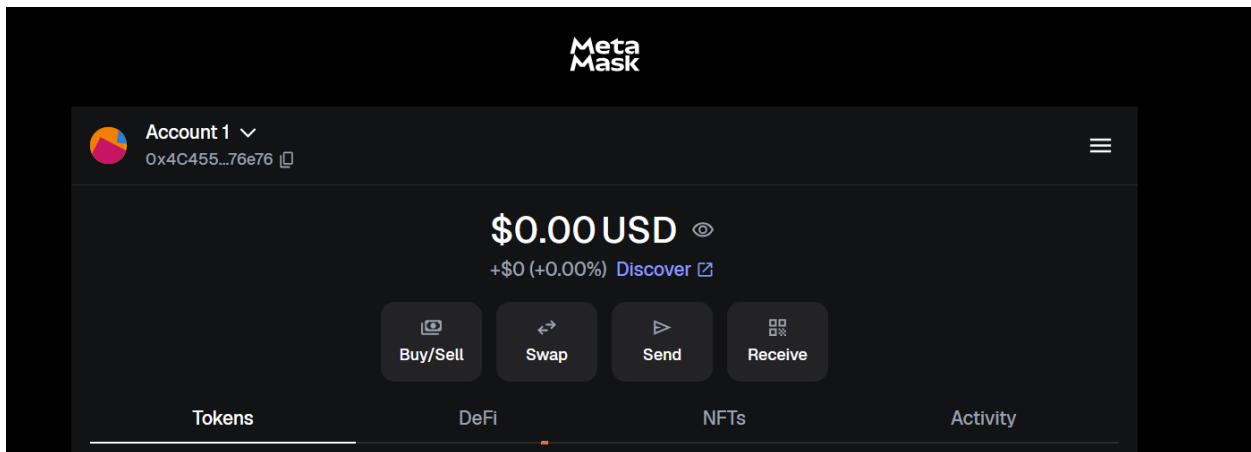
MetaMask

Account 1 0x4C455...76e76

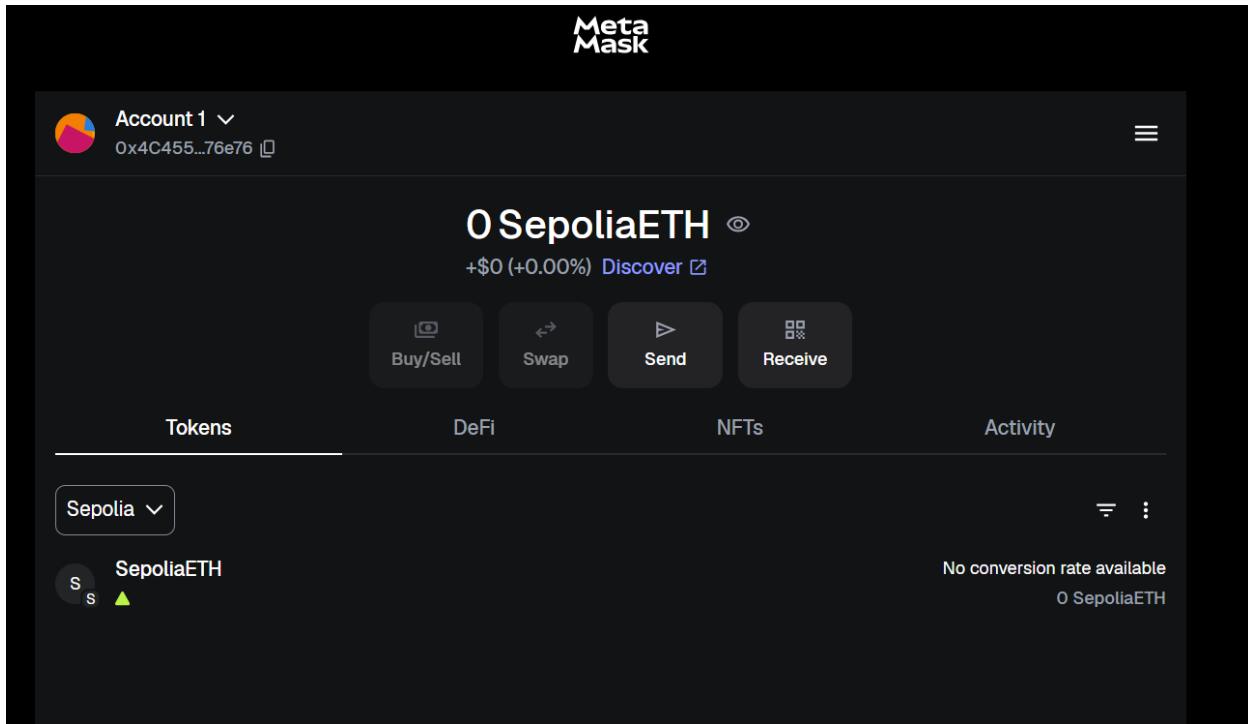
\$0.00 USD ⓘ
+\$0 (+0.00%) Discover ⓘ

Buy/Sell Swap Send Receive

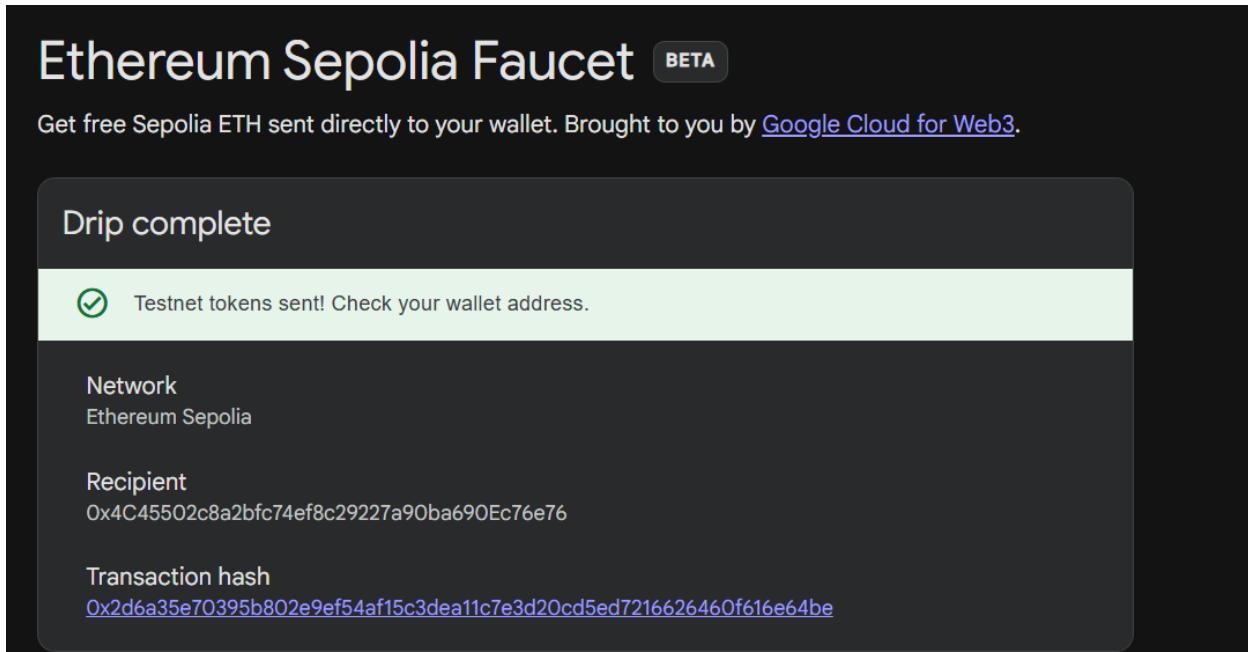
Tokens DeFi NFTs Activity



2) Sepolia Test Net



3) Getting Sepolia ETH in acc1



The screenshot shows the MetaMask wallet interface. At the top, it displays "Account 1" with the address "0x4C455...76e76". Below the address, the balance is shown as "0.05 SepoliaETH" with a small circular icon. A status message "+\$0 (+0.00%) Discover" is displayed next to it. There are four main buttons: "Buy/Sell", "Swap", "Send", and "Receive". Below these buttons are four tabs: "Tokens", "DeFi" (which is selected), "NFTs", and "Activity".

4) Sending 0.00780 to account 2

The screenshot shows the MetaMask wallet interface after a transaction has been sent. The balance is now "0.0422 SepoliaETH". The transaction history shows a single entry for "Sepolia" dated "Sep 15, 2025". The transaction status is "Sent" and "Confirmed". The amount sent is "-0.0078 SepoliaETH", which is equivalent to "-0.0078 SepoliaETH".

5) Checking Transaction on Block Explorer

The screenshot shows the transaction details on a block explorer. The transaction hash is 0x5ebaa6db25bf3333f36a91bcd88361395add8b2fd6e5c5f2cac9f0263bfcf12. It was successful and has 17 block confirmations. The transaction occurred 3 mins ago on Sep 15, 2025 at 04:31:12 PM UTC. The "From" address is 0x4C45502c8a2bfc74ef8c29227a90ba690Ec76e76 and the "To" address is 0xf7005Bf2e803B78272cD98d8137C5Cc87dB02041. The value transferred was 0.0078 ETH, with a transaction fee of 0.000033031986939 ETH and a gas price of 1.572951759 Gwei.