



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

School: Campus:

Academic Year: Subject Name: Subject Code:

Semester: Program: Branch: Specialization:

Date:

Applied and Action Learning

(Learning by Doing and Discovery)

Name of the Experiment : Try DeFi – Using Uniswap or Aave Testnets

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

ALGORITHM:

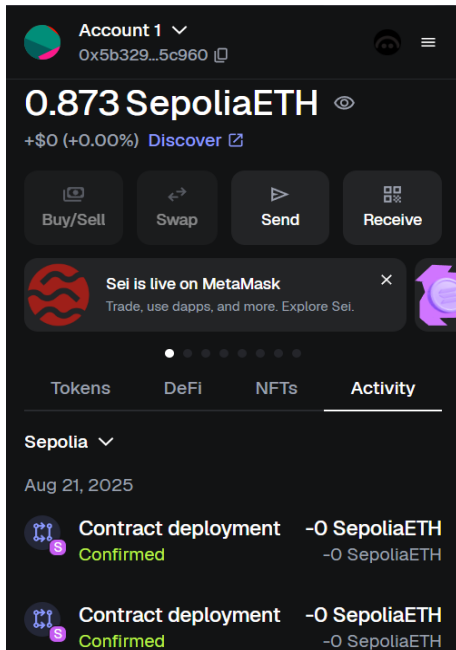
1. Start
2. Check metamask for testnet.
3. Search for app.aave.com in your brave browser.
4. Now connect your metamask wallet with app.aave.com.
5. Enable “Testnet mode” at the top right corner.
6. Select Ethereum (Sepolia) network.
7. Click on swap.
8. Select ETH in “From” field and DAI in “To” field.
9. Enable a test amount of ETH to swap.
10. Click on “View Details” to check transaction information.
11. End

* Software used

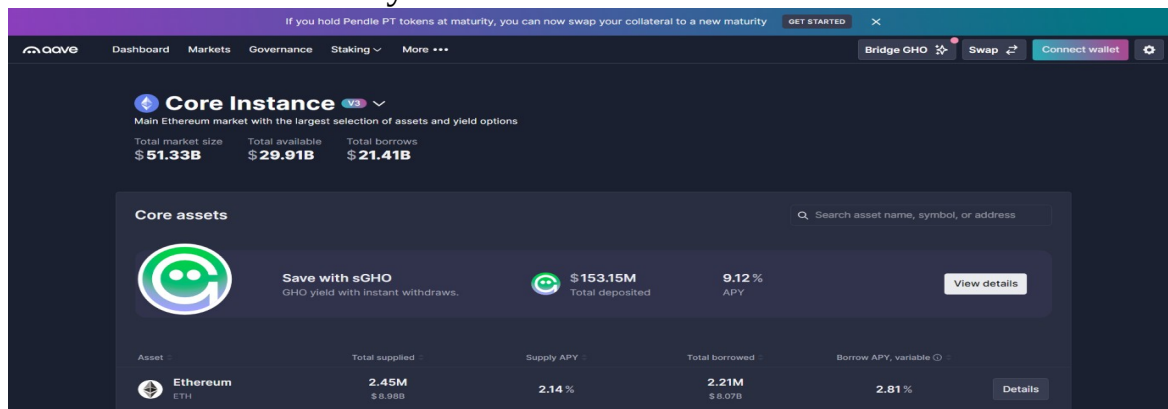
1. Metamask wallet
2. Aave website - <https://app.aave.com/>
3. Ethereum sepolia testnet

* Implementation Phase: Final Output (no error)

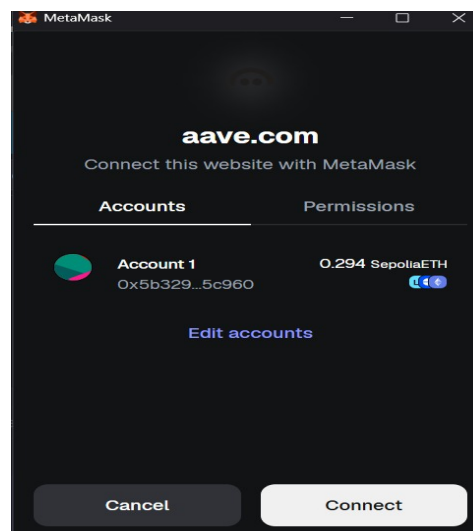
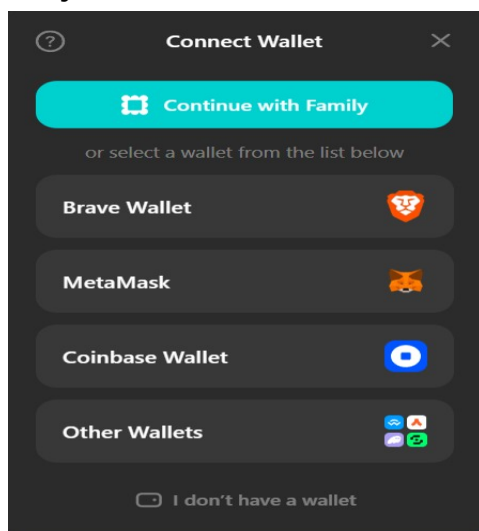
First check your metamask wallet for sepolia testnet if there are no testnet then collect from sepolia faucet google cloud.



Search for aave.com in your brave browser

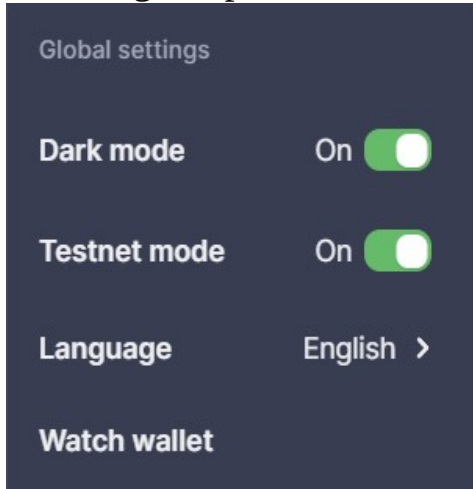


Connect your metamask wallet with aave.com

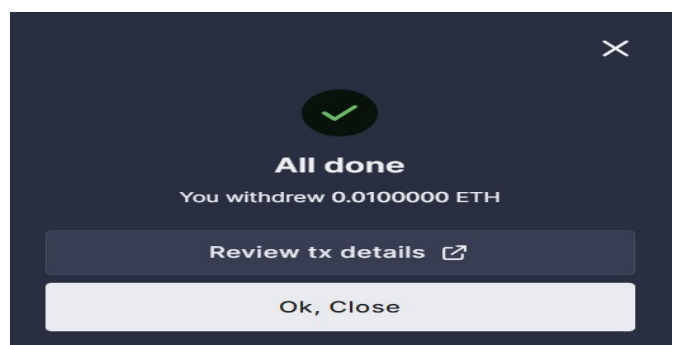
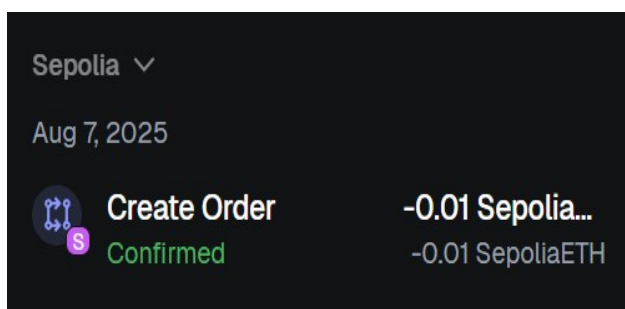
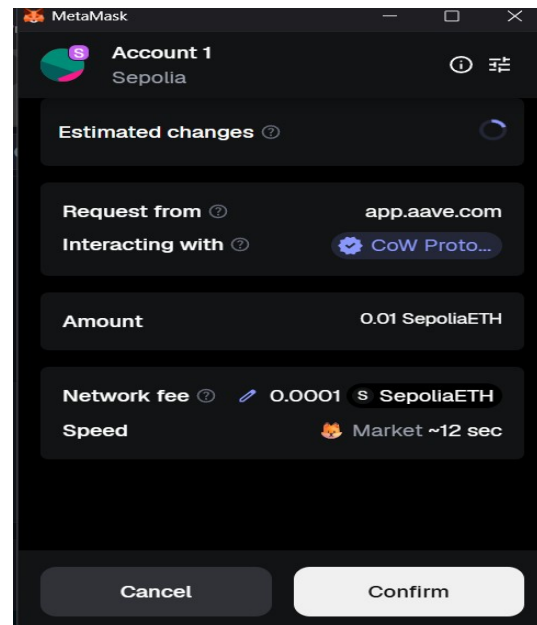
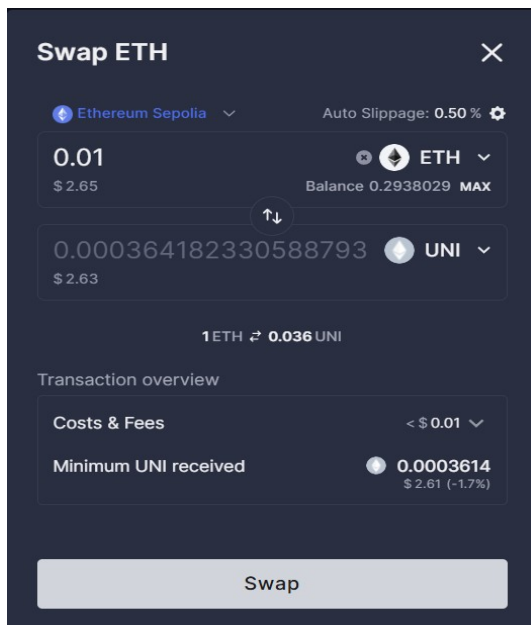


* Implementation Phase: Final Output (no error)

In the right top corner enable testnet mode.



Now click on swap, a pop up will appear to select amount select ETH in the “From” field and DAI in the “To” field then write the amount to be swapped and then swap.



* Implementation Phase: Final Output (no error)

Applied and Action Learning

After the order is confirmed click on view details it will show all the transaction details.

The screenshot displays the CoW Explorer interface for the Sepolia testnet. At the top, there's a search bar for Order ID, ETH Address, ENS Address, or Tx Hash. Below this, the 'Order details' section is active, showing an 'Overview' tab. The order details include: Order Id (0x00e8c5c91...), From and To addresses (0x5b329bad3f32ecef4dfedee035807e7c9925c960) on Sepolia, Transaction hash (0x876d830abae6e2539dc89334c3917fdd1b4316a1d3b2124e9cf564824eb2ef39), Status (FILLED), Submission Time (07/08/2025 - 10:50AM), Execution Time (07/08/2025 - 10:51AM), Expiration Time (07/08/2025 - 11:20AM), and Type (Sell market order (Fill or Kill)). There are buttons for 'Order history', 'Batch', and 'Graph'.

* Observations

1. It is observed that decentralized finance (DeFi) platforms like Uniswap and Aave allow financial activities such as swapping tokens, providing liquidity, borrowing, and lending without any intermediaries, relying fully on smart contracts.
2. Using the testnets, I learned how to interact with DeFi protocols safely with test tokens, gaining practical exposure to wallet connections (e.g., MetaMask), smart contract interactions, and the transparency of on-chain transactions.

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

Signature of the Student:

Name :

Regn. No. :

Signature of the Faculty:

Page No.....

** As applicable according to the experiment.
Two sheets per experiment (10-20) to be used.*