



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**

1. First we need to open MetaMask and switch to the Sepolia test network for testing purposes.
2. Then we need to navigate to aave.com using our browser.
3. Click “Open App” to open the Aave application.
4. Click “Connect Wallet” and choose MetaMask to link our wallet.
5. Turn on “Testnet Mode” using the button at the top-right.
6. We need to make sure the network is set to Ethereum Sepolia.
7. Click the “Swap” feature to start a token exchange.
8. Then we need to choose ETH as the token we are giving and DAI as the token we want.
9. Enter a test amount of ETH to swap.
10. Then click on swap button and click confirm.
11. We can check the details by clicking on “View Details” to see the transaction summary before submitting.

*** Software used:**

- MetaMask wallet
- Web Browser(I.e Brave or Microsoft edge)
- <https://aave.com>
- Ethereum Sepolia Testnet

*** Testing Phase: Compilation of Code (error detection)**

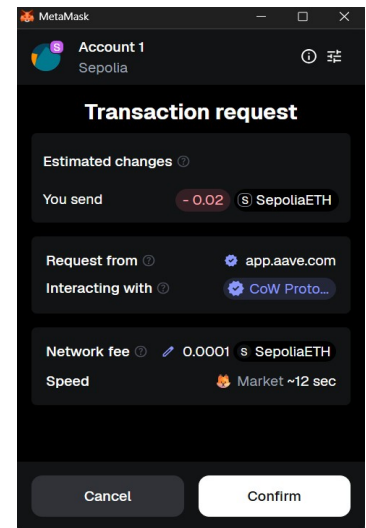
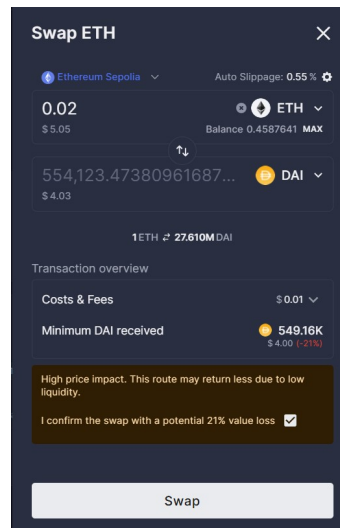
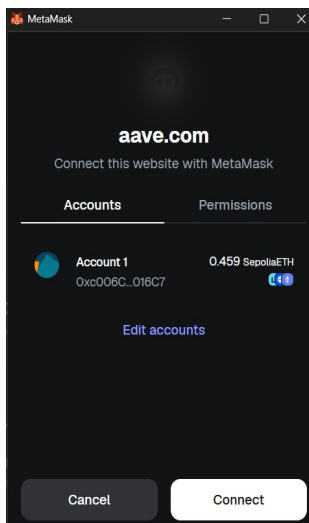
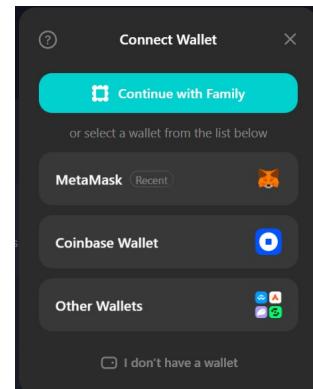
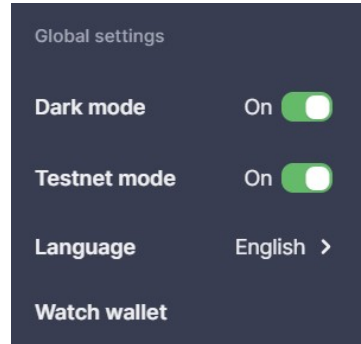
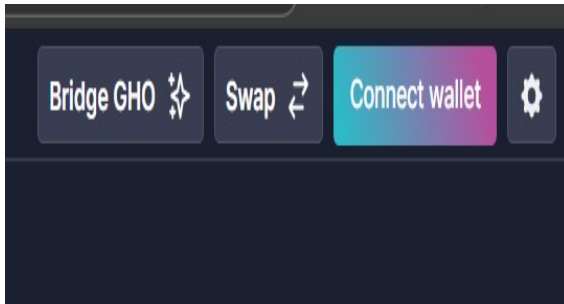
NO ERROR

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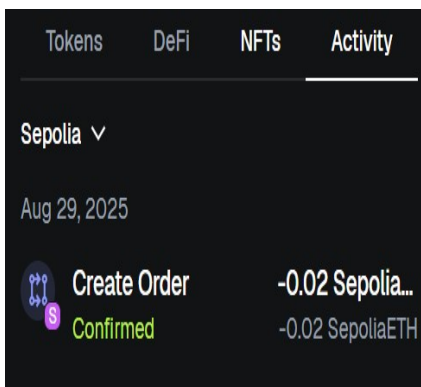
*** As applicable according to the experiment.
Two sheets per experiment (10-20) to be used**

* Implementation Phase: Final Output (no error)

- First we need to check our metamask wallet for sufficient sepolia ethereum, if not then drip from sepolia faucet google cloud
- Then we navigate to www.aave.com website for swap the ethereum to DAI testnet token
- Then click on "Open App" to move to dashboard
- From dash board in the setting menu enable Testnet Mode
- Then click on connect wallet and select MetaMask and click connect
- Then click on swap and enable ETH to DAI and enter any amount and click swap
- Then confirm the transaction on MetaMask wallet and we will see our order is confirmed and can check details on block explorer.



[This is a Sepolia Testnet transaction only]



Transaction Hash:	0x4095a8374da169bfda2de5eda3e303cc75c8192eccff9fa962dc82db7edc8322
Status:	Success
Block:	9087299 3 Block Confirmations
Timestamp:	45 secs ago (Aug-29-2025 06:01:12 AM UTC)
From:	0xc006c5491d961a76180582d1967d05c104f016c7
To:	0xbA3cB449b02B4ADddBc894D8697F5170800EaDec
Value:	0.02 ETH
Transaction Fee:	0.0000846472353396 ETH
Gas Price:	1.503503292 Gwei (0.000000001503503292 ETH)

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* Observation :

- MetaMask connects seamlessly to the Sepolia testnet and communicates with Aave without issues.
- Swapping test ETH to DAI via Aave's testnet interface is straightforward.
- Transaction parameters—such as gas fees, slippage, and exchange rate—are transparently displayed before the swap is confirmed.

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 :

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