



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 :

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

ALGORITHM:

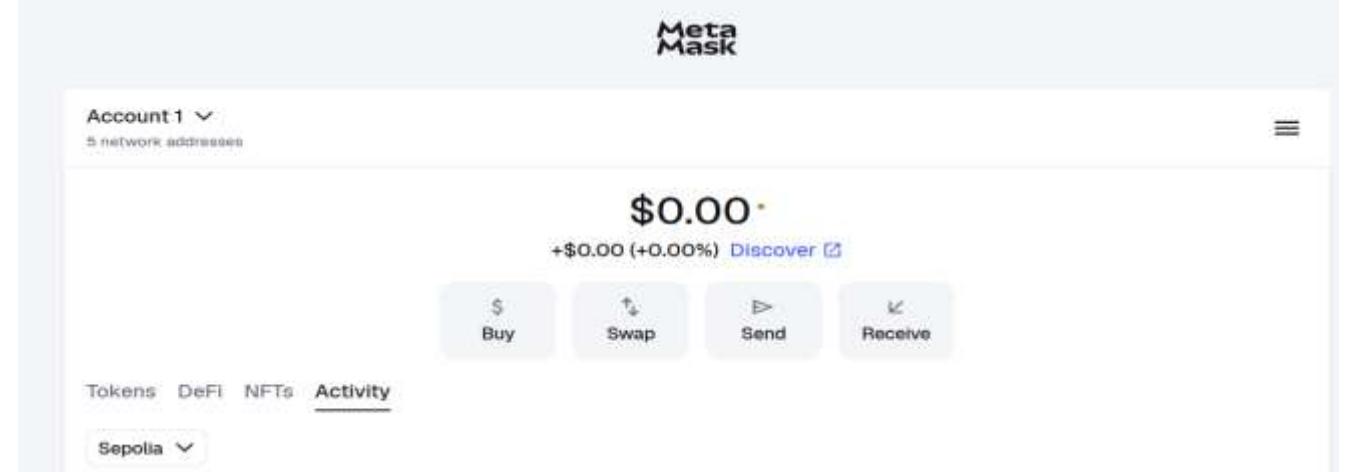
1. Open MetaMask and select the Sepolia testnet.
2. Open aave.com in your browser.
3. Click on “Enter App” to launch the Aave app.
4. Click on “Connect Wallet” and connect using MetaMask.
5. Enable “Testnet Mode” from the top-right corner.
6. Select the Ethereum (Sepolia) network.
7. Click on the “Swap” option.
8. Select ETH in the “From” field and DAI in the “To” field.
9. Enter a test amount of ETH to swap.
10. Click on “View Details” to check transaction information.

* Softwares used

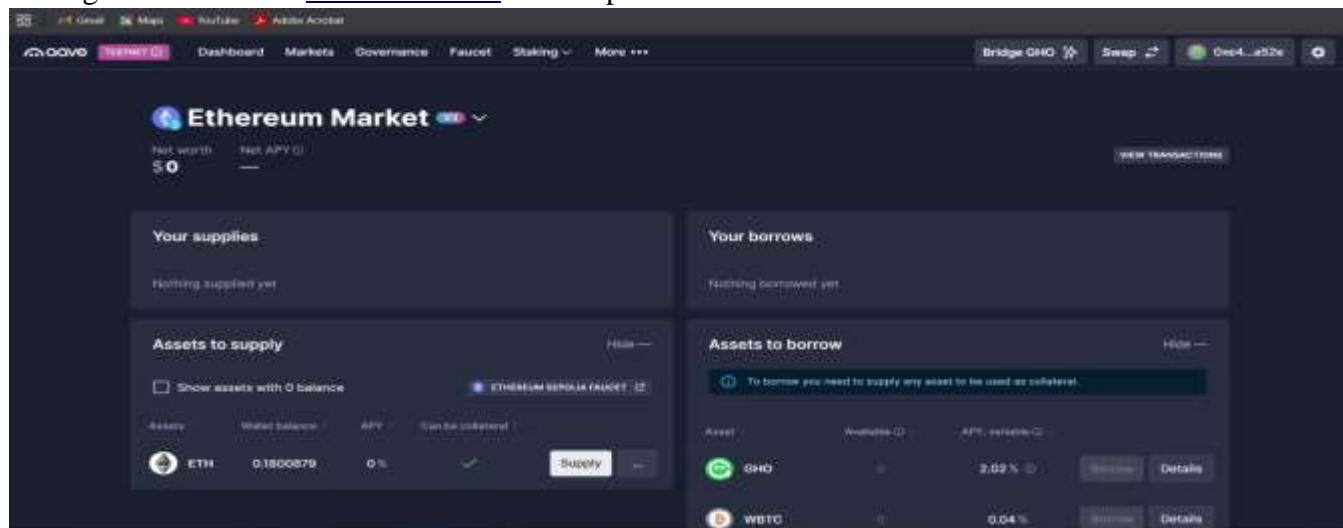
1. MetaMask Wallet
2. Brave Web Browser
3. Aave Website -<https://aave.com>
4. Ethereum Sepolia Testnet

* Implementation Phase: Final Output (no error)

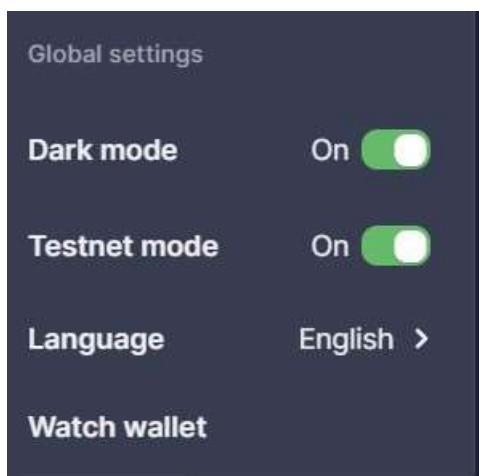
First check the metamask wallet for sepolia testnet if there is no sepolia testnet available then faucet it from sepolia faucet google cloud



Then go to the website www.aave.com for swap the ethereum to DAI testnet token

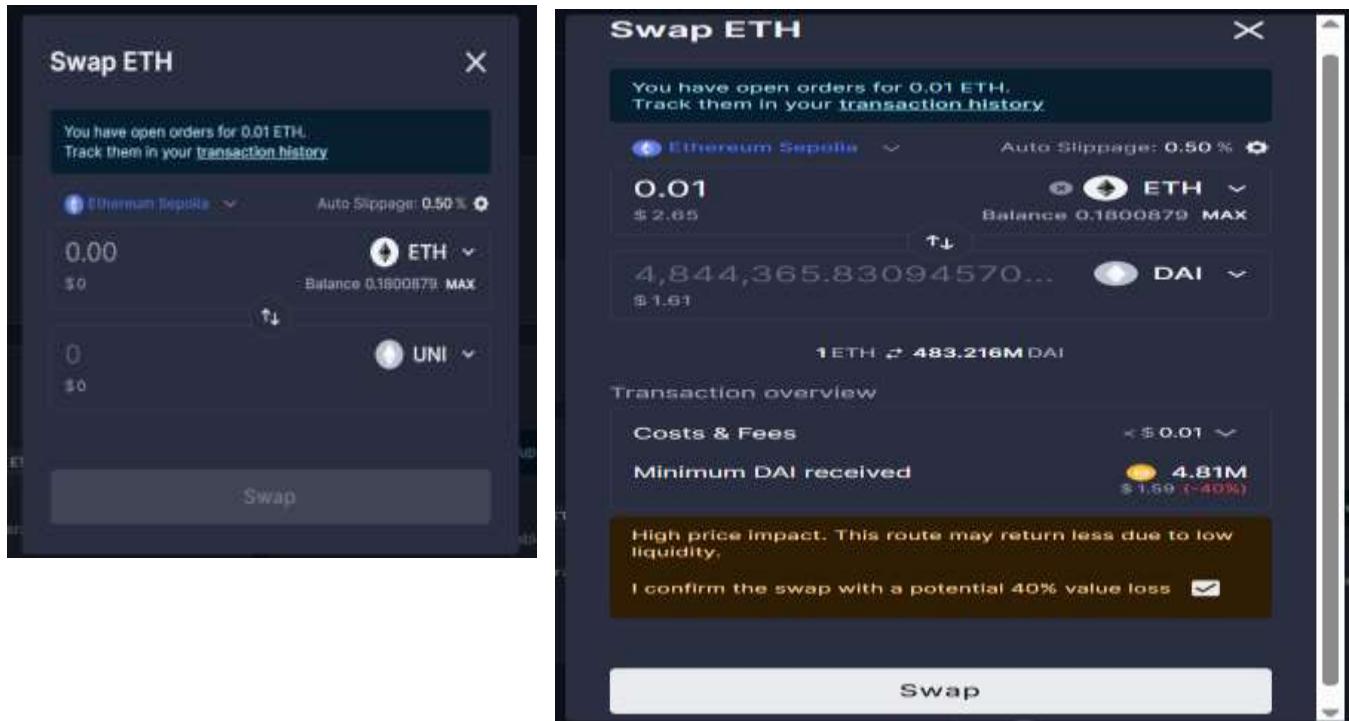


Then in right top corner enable testnet mode

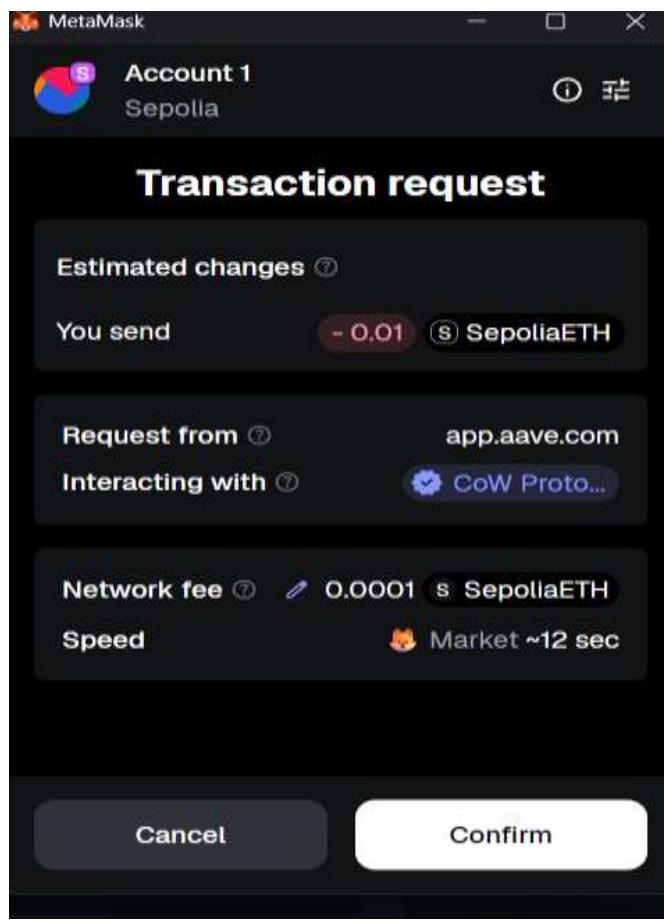


* Implementation Phase: Final Output (no error)

Then click on swap ,choose ethereum network and to DAI testnet token



Then confirm the transaction in metamask wallet then you see the order was confirmed



* Implementation Phase: Final Output (no error)

Applied and Action Learning

Now after the order confirmed then click on view details to see all the details about the transactions like wallet address of from and to and hash ,timestamp etc.

The screenshot shows the 'Order details' section of the CoW Explorer Sepolia interface. It displays the following information:

- Order Id: 0x7d257c85c...
- From: 0x0000000000000000000000000000000000000000 on Sepolia
- To: 0x0000000000000000000000000000000000000000 on Sepolia
- Transaction hash: -
- Status: OPEN
- Submission Time: 07/08/2025 - 10:58AM
- Expiration Time: 07/08/2025 - 11:19AM
- Type: Sell market order (Fill or Kill)
- Amount:
 - From: 0.001 ETH (ETH)
 - To at least: 706.971424 DAI (DAI)

* Observations

1. MetaMask successfully connects to the Sepolia testnet and interacts with Aave without any issues.
2. Test ETH can be easily swapped to DAI using Aave's testnet interface.
3. Transaction details like gas fees, slippage, and exchange rate are clearly visible before confirming the swap.

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. :

Page No.....

Signature of the Faculty:

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