



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:

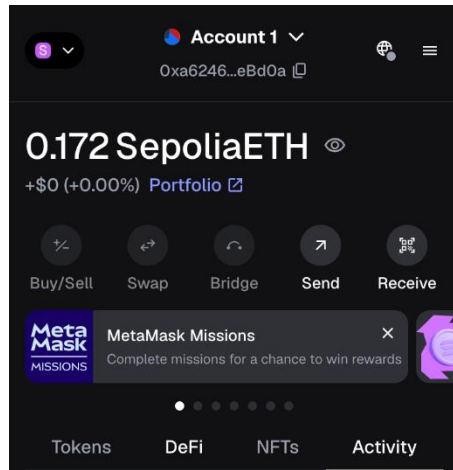
1. Open MetaMask and switch to the **Sepolia testnet**.
2. Visit **aave.com** in your browser.
3. Click “**Enter App**” to launch the Aave application.
4. Select “**Connect Wallet**” and connect via MetaMask.
5. From the top-right corner, enable **Testnet Mode**.
6. Choose the **Ethereum (Sepolia)** network.
7. Navigate to the **Swap** section.
8. In the swap fields, select **ETH** as the token you’re swapping from and **DAI** as the token you’re swapping to.
9. Enter a test amount of **ETH** to swap.
10. Click “**View Details**” to review the transaction information.

* Softwares used

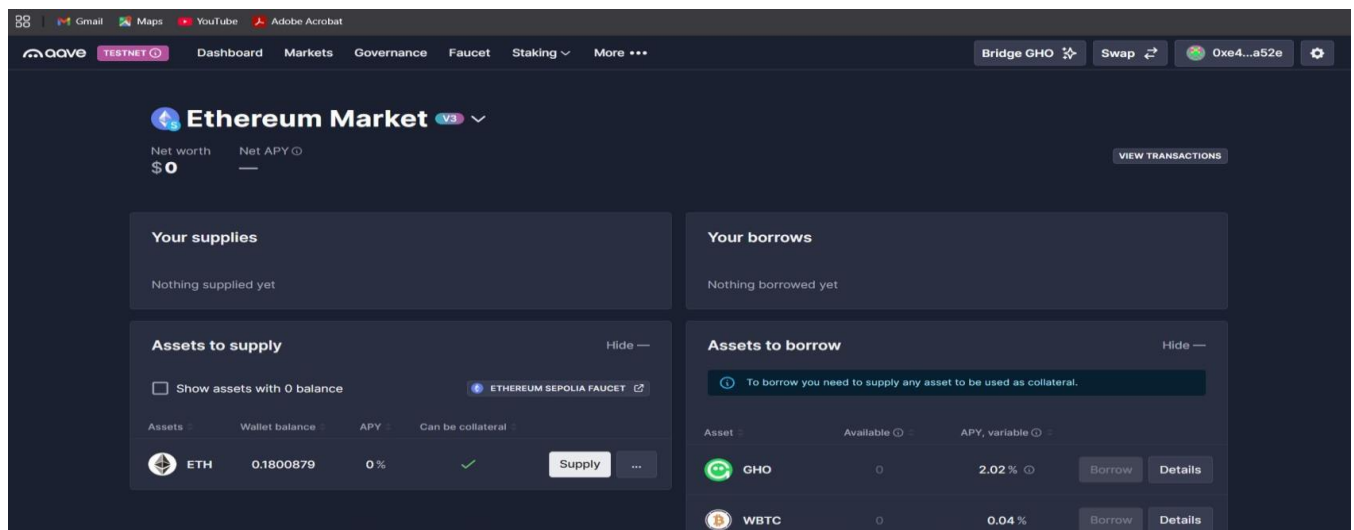
1. MetaMask Wallet
2. Brave Web Browser
3. Aave Website -<https://aave.com>
4. Ethereum Sepolia Testnet

* Implementation Phase: Final Output (no error)

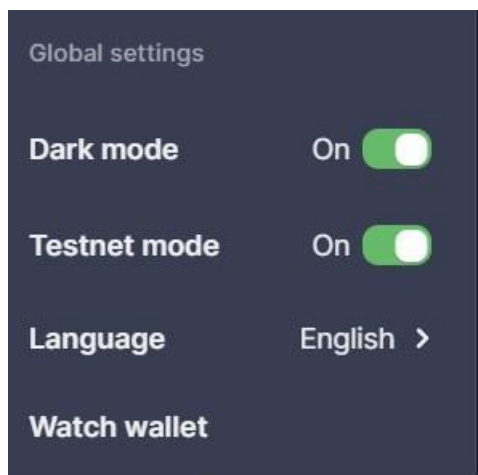
First check the metamask wallet for sepolia testnet if there is no sepolia testnet available then faucet it from sepolia faucet google cloud



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

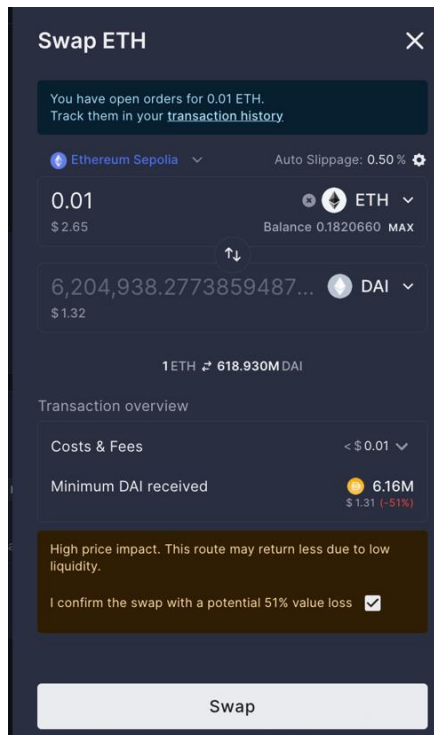


Then in right top corner enable testnet mode



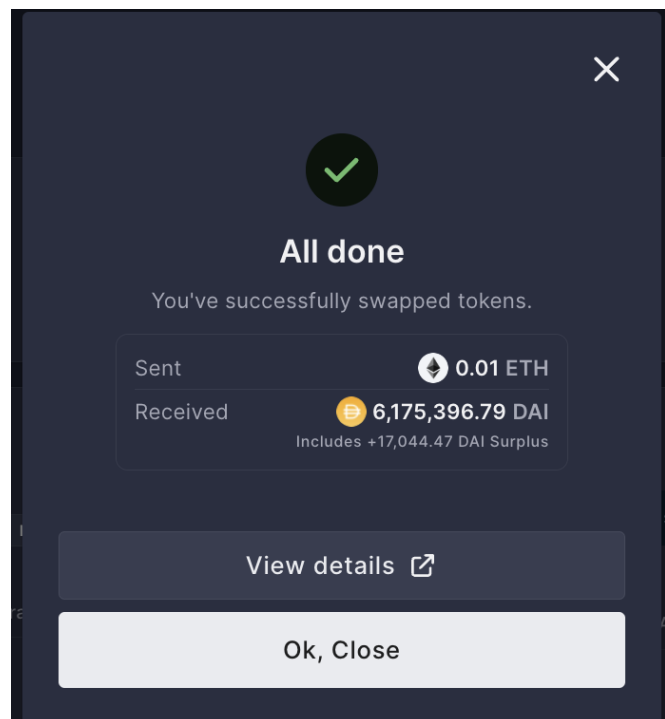
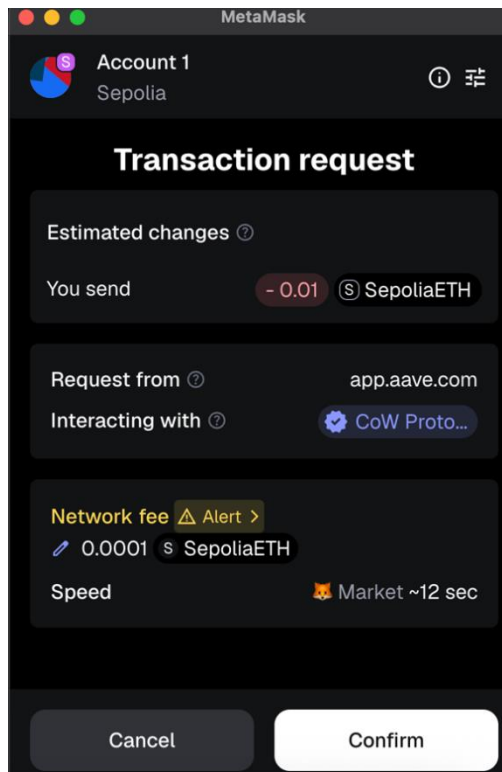
* Implementation Phase: Final Output (no error)

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



Then confirm the transaction in metamask wallet then you see the

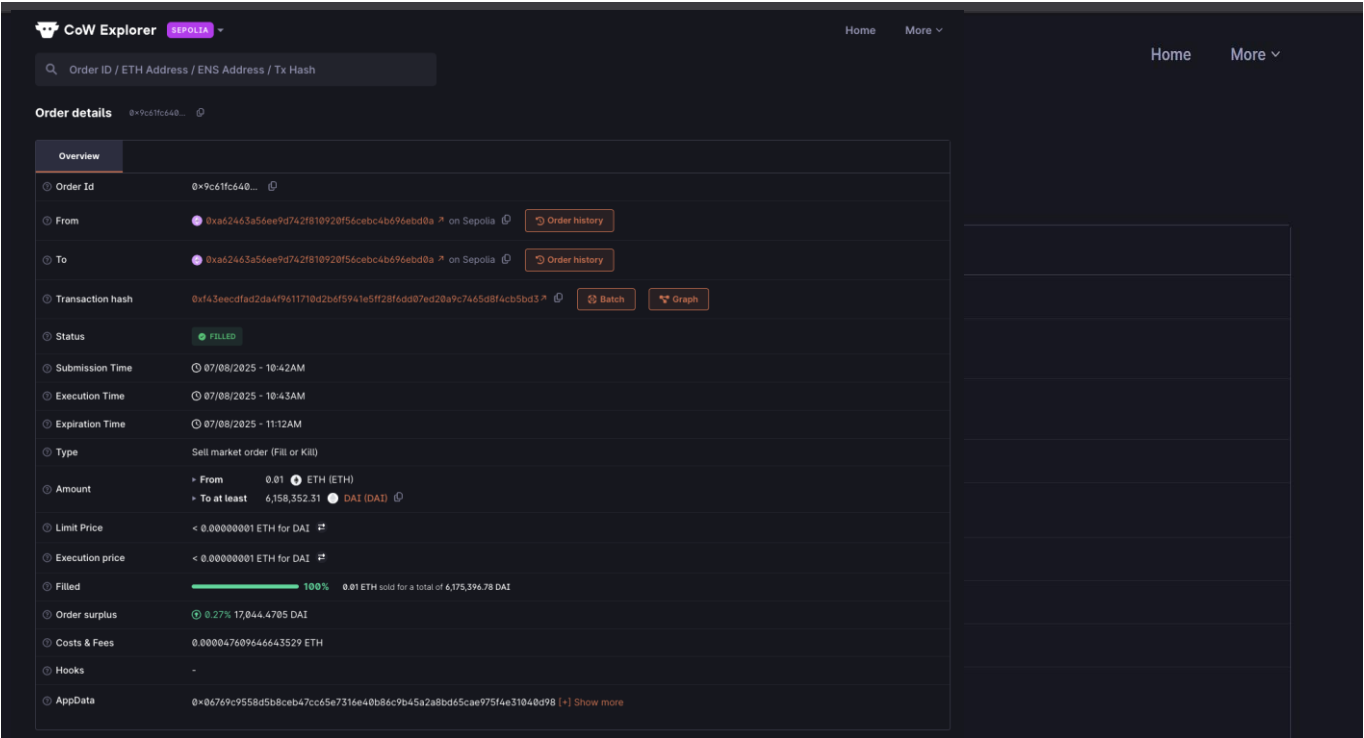
order was confirmed



* 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.



* 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.