



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 TestnetsSteps

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

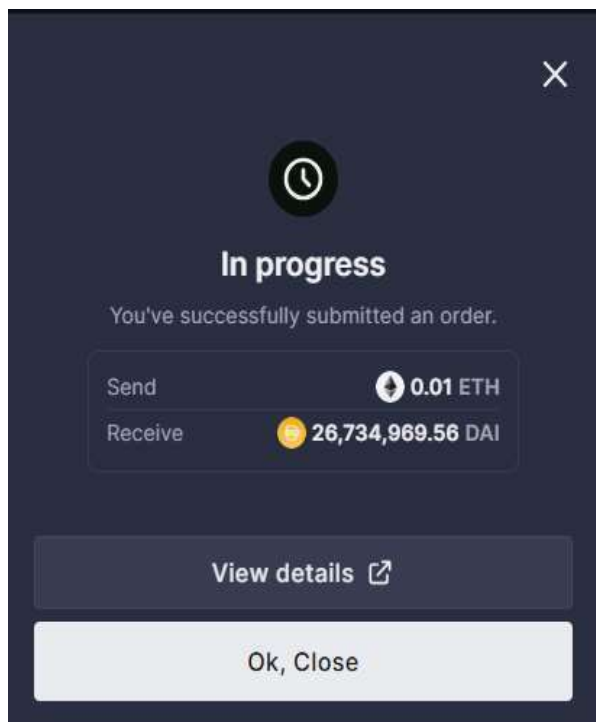
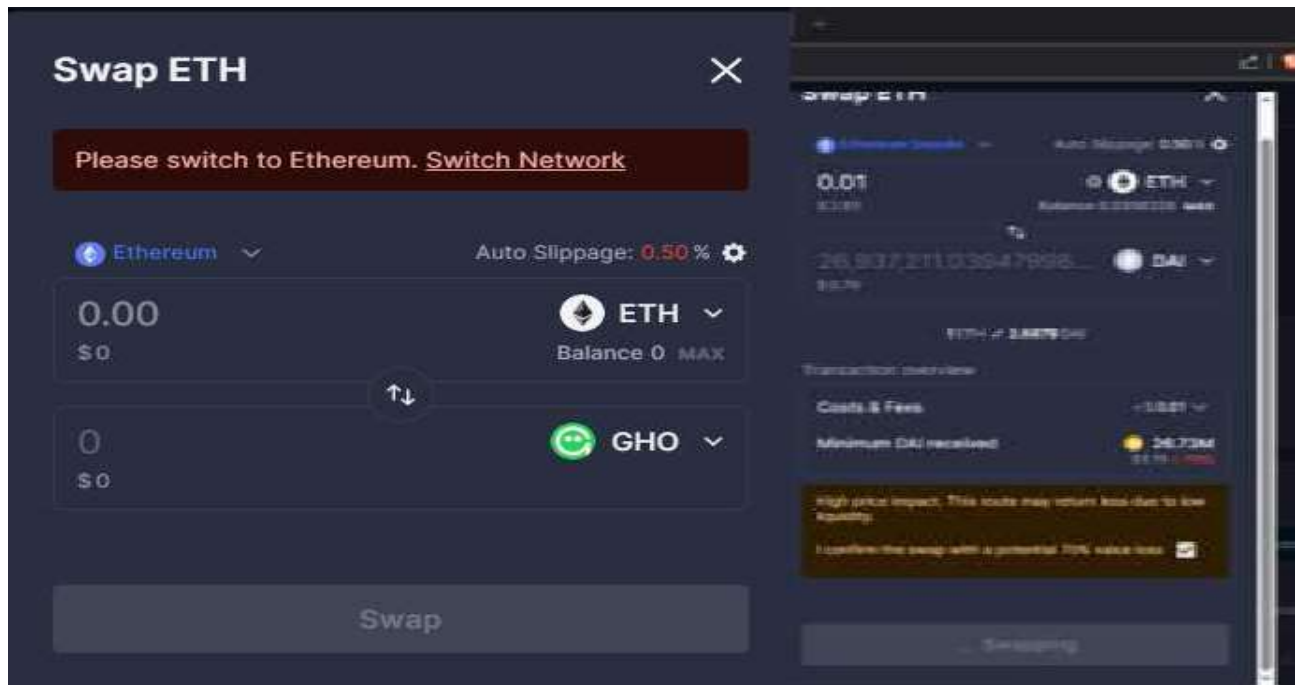
- **Access Platform** – Open a decentralized exchange such as Uniswap.
- **Connect Wallet** – Click Connect Wallet, choose **MetaMask**, and select the desired account.
- **Select Swap Tokens** – Set **From** as ETH and **To** as DAI (search DAI if not listed).
- **Enter Swap Amount** – Specify the ETH amount to swap, ensuring enough ETH remains for gas fees.
- **Review & Execute Swap** – Click Swap, then confirm the transaction in MetaMask.
- **Add Token to MetaMask** – If DAI does not appear, open MetaMask, go to **Assets** → **Import Tokens**, search for DAI or paste the token contract address, and add it manually.
- **Verify Transaction** – Check updated balances in MetaMask or view the transaction on Etherscan.

Software used

1. <https://sepolia.etherscan.io/token/0x259b83ef7232c75604488c712e4d27bcbe5281b2>
2. Remix IDE.
3. MS Word.
4. Brave for researching.

* Implementation Phase: Final Output (no error)

1. Firstly swap Ethereum to DAI



* Implementation Phase: Final Output (no error)

2. Then go for add token

The image shows two overlapping screenshots. The top screenshot is from Etherscan, displaying the 'Token MmmToken (MMM)' page for an ERC-20 token. It includes an 'Overview' section with 'MAX TOTAL SUPPLY: 1,000,000 MMM', 'HOLDERS: 1', and 'TOTAL TRANSFERS: 1'. The 'Market' section shows 'DRECHAM MARKET CAP' and 'CIRCULATING SUPPLY MARKET CAP'. The 'Other Info' section lists the 'TOKEN CONTRACT (WITH 18 DECIMALS)' as '0xc1f76c6b6623dc217c905b13503'. The bottom screenshot is from the MetaMask 'Import tokens' dialog. It shows the 'Custom token' section with fields for 'Token contract address' (0xc1f76c6b6623dc217c905b13503), 'Token symbol' (MMM), and 'Token decimal' (18). A 'Next' button is visible. On the right, the MetaMask interface shows a balance of '0.1379 SepoliaETH' and a 'Token imported' confirmation message: 'You've successfully imported MMM'.

*Observations:

Swapping ETH to DAI on Uniswap required wallet connection and transaction confirmation in MetaMask. The DAI balance updated on-chain after the swap, and if not visible in MetaMask, the token had to be manually imported using its contract address.

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: