School: .... Campus: ....

Academic Year: .... Subject Name: .... Subject Code: ....

Semester: .... Program: .... Branch: .... Specialization: ....

Date: ....

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

Applied and Action Learning
(Learning by Doing and Discovery)

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

Objective/Aim:

To learn how to interact with the Aave decentralized lending protocol on a testnet, including:
- Connecting a wallet to Aave.
- Swap token.

Apparatus/Software Used:

- **Metamask Wallet** (set up and connected to the correct testnet , e.g., Sepolia)
- **Aave Testnet App** (https://staging.aave.com/ or https://app.aave.com with testnet mode)
- **Testnet ETH / Tokens** from a faucet

Theory/Concept:

- **DeFi**: Decentralized Finance lets you lend, borrow, and earn interest without banks.

- **Aave**: A decentralized liquidity protocol where users can deposit tokens to earn interest or borrow against their deposits.

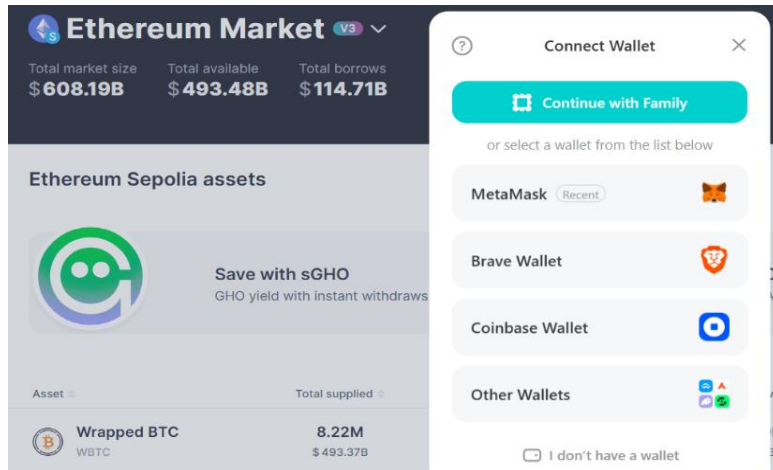- **Testnet**: A blockchain network for testing where tokens have no real value.

Procedure:

1. **Setup Wallet**
   - Open Metamask extension.
   - Switch network to Aave-supported testnet (Sepolia).

2. **Connect to Aave Testnet**
   - Go to https://staging.aave.com.
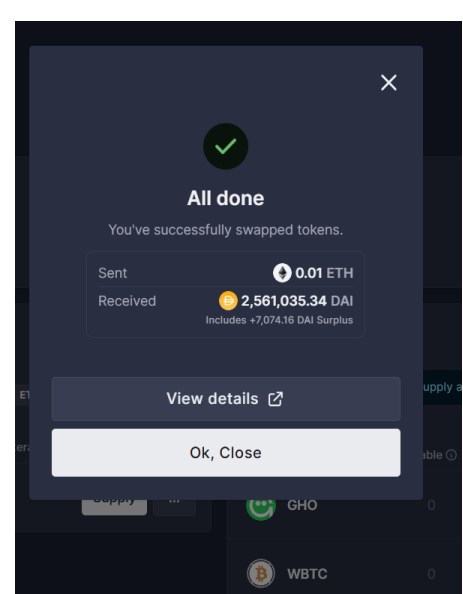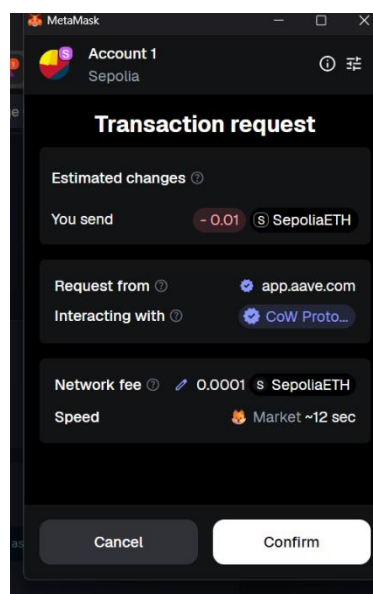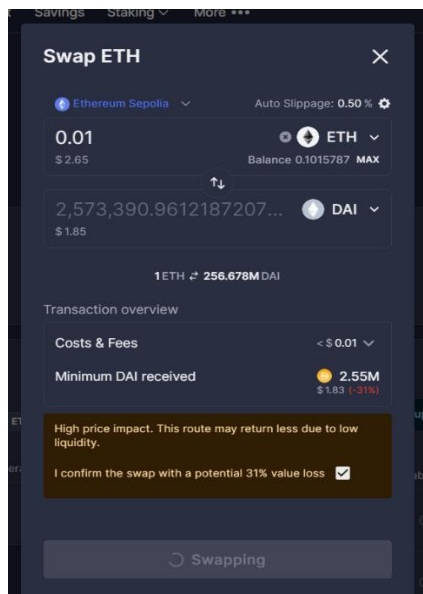   - Click Connect Wallet and choose Metamask.

3. **Access Swap Function**
   - In the Aave dashboard, go to the Swap .
   - Select From: Ethereum (ETH) and To: DAI.

4. **Enter Amount and Confirm transaction**
   - Type the amount of ETH you want to swap.
   - Click on swap and approve the transaction in MetaMask.

Observation :

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: