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*Shaping Lives...
Empowering Communities...*

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 : Wallet Walkthrough – Hands-on Wallet Setup

Objective/Aim :

To understand and perform the step-by-step installation and setup of a blockchain wallet, enabling interaction with Web3 dApps and networks like Ethereum or Polygon.

Apparatus/Software Used:

- Desktop or mobile device with internet
- Web browser (Chrome/Firefox/Brave)
- **MetaMask Wallet** (most commonly used wallet)

Theory/Concept:

A **crypto wallet** allows users to store, send, and receive cryptocurrencies. In Web3, it also functions as your **digital identity** and **login method** for dApps.

Types of wallets:

- **Hot Wallets** (online, e.g., MetaMask)
- **Cold Wallets** (offline, hardware wallets)
- **Custodial vs Non-Custodial** (control of private keys)

Procedure:

Step 1: Install MetaMask

- Visit: <https://metamask.io>
- Click “Download”
- Choose your browser or mobile platform
- Add the MetaMask extension



Let's get started!

[Create a new wallet](#)

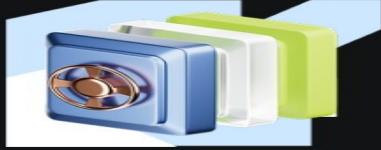
[Import using Secret Recovery Phrase](#)

Step 2: Create a New Wallet

- Click “Get Started”
- Select “Create a Wallet”
- Set a strong password (store securely)
- Read and accept terms

Step 2 of 3

Secure your wallet



Don't risk losing your funds. Protect your wallet by saving your **Secret Recovery Phrase** in a place you trust.

It's the only way to recover your wallet if you get locked out of the app or get a new device.

[Get started](#)

[Remind me later](#)

Step 3: Secure Your Wallet

- Write down the **12-word Secret Recovery Phrase** on paper (do not store online)
- This phrase is the **ONLY** way to recover your wallet
- Confirm the phrase when prompted

<

Step 2 of 3

Save your Secret Recovery Phrase

This is your **Secret Recovery Phrase**. Write it down in the correct order and keep it safe. If someone has your Secret Recovery Phrase, they can access your wallet. Don't share it with anyone, ever.

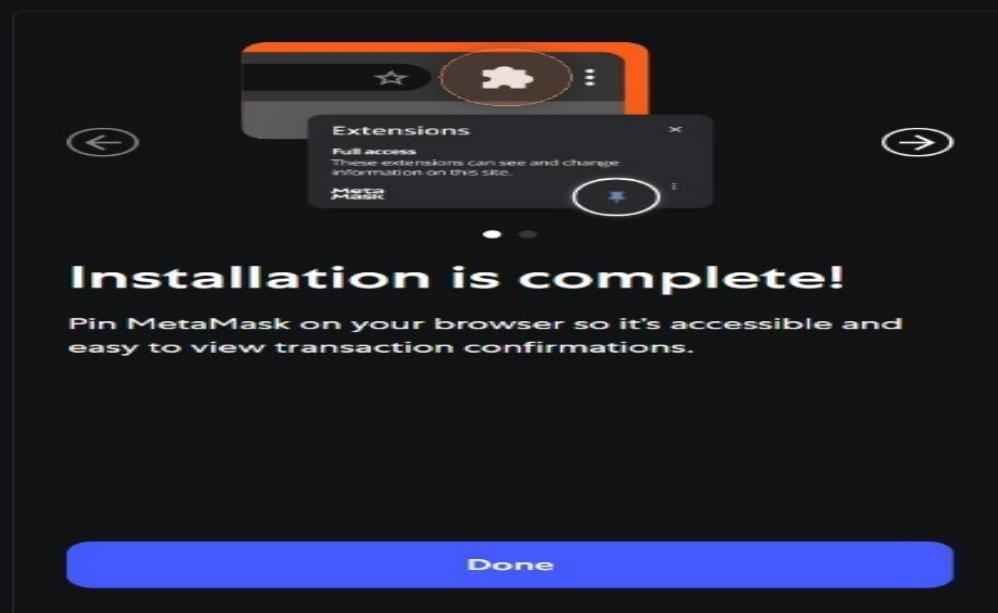
 Tap to reveal

Make sure no one is watching your screen.

[Continue](#)

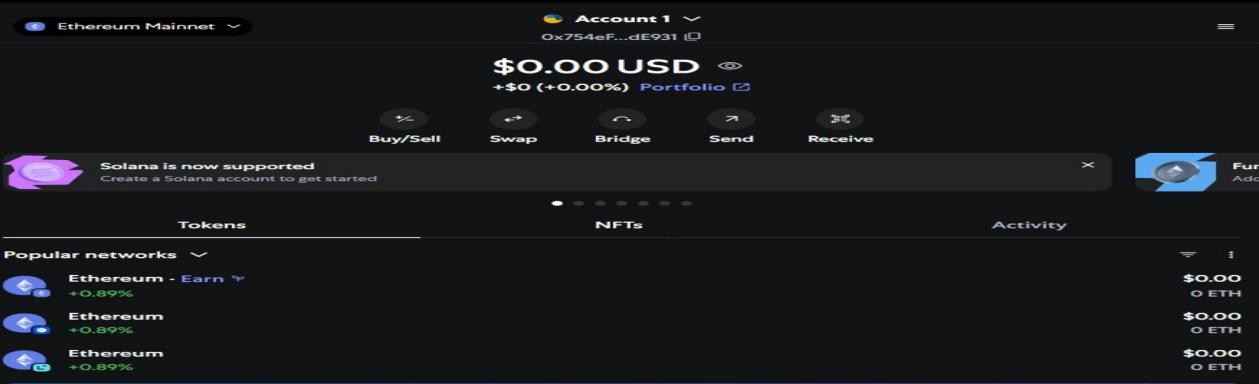
Step 4: Explore Your Wallet

- You'll see your Ethereum address (starts with 0x...)
- Check balance, transaction history, and add custom tokens



Step 5: Connect to a dApp (optional)

- Visit a dApp like Remix or Uniswap
- Click "Connect Wallet"
- Authorize MetaMask connection



Observation:

- During the hands-on wallet setup, it was observed that the **12-word Secret Recovery Phrase** is critically important for wallet recovery.
- If the user forgets or loses the recovery phrase, it is **not possible to recover the wallet or access the stored funds**.
- Wallet providers like **MetaMask** do not store the recovery phrase; therefore, the responsibility of securing it lies entirely with the user.

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.

