

Building a DApp - Extra Credit

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The assignment is about building a Decentralized Application that aims to transfer digital tokens such as Ethers from one wallet to another.

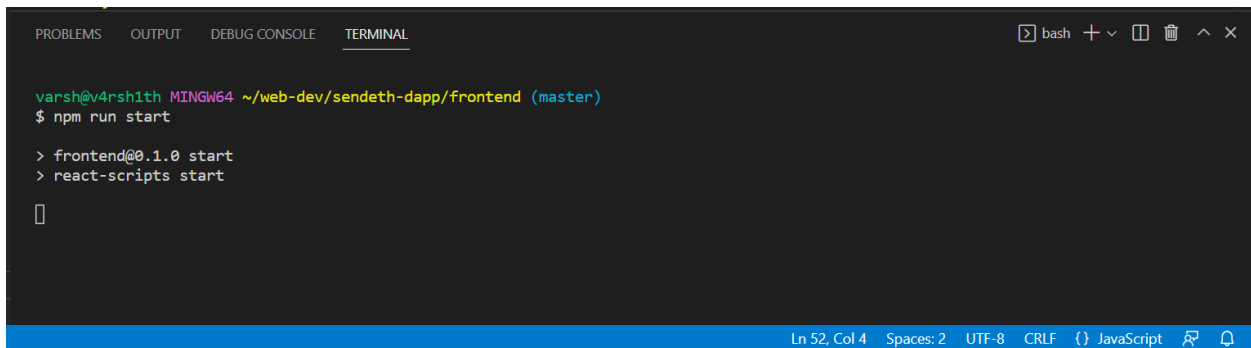
The DApp built for this assignment is fully functional. The user can connect their decentralized wallet such as Metamask or Brave Wallet and access the application.

It is deployed at: <https://sendeth-dapp.vercel.app/>

Steps:

- a. Click on “Connect to Wallet” button
 - b. Sign the Metamask confirmation
 - c. input the recipient’s address
 - d. input the amount of digital tokens being send
 - e. Click “Send”
 - f. Confirm the Metamask confirmation for initiating transaction
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1. Running the server



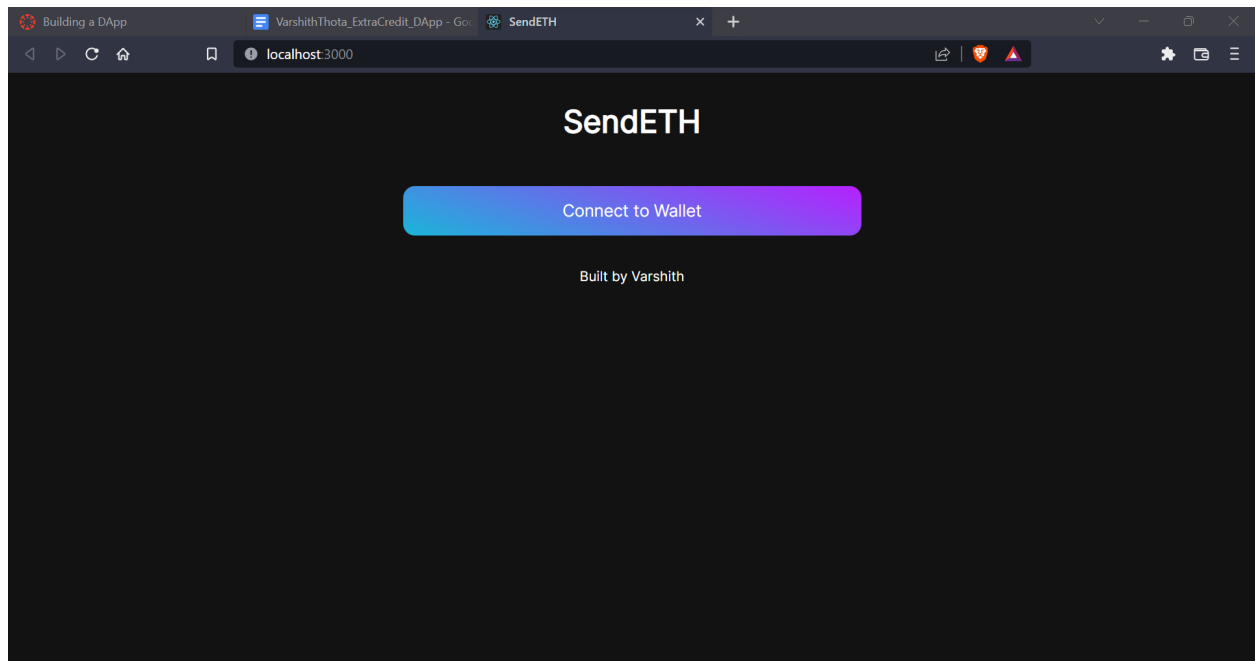
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PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
varsh@v4rsh1th MINGW64 ~/web-dev/sendeth-dapp/frontend (master)
$ npm run start

> frontend@0.1.0 start
> react-scripts start

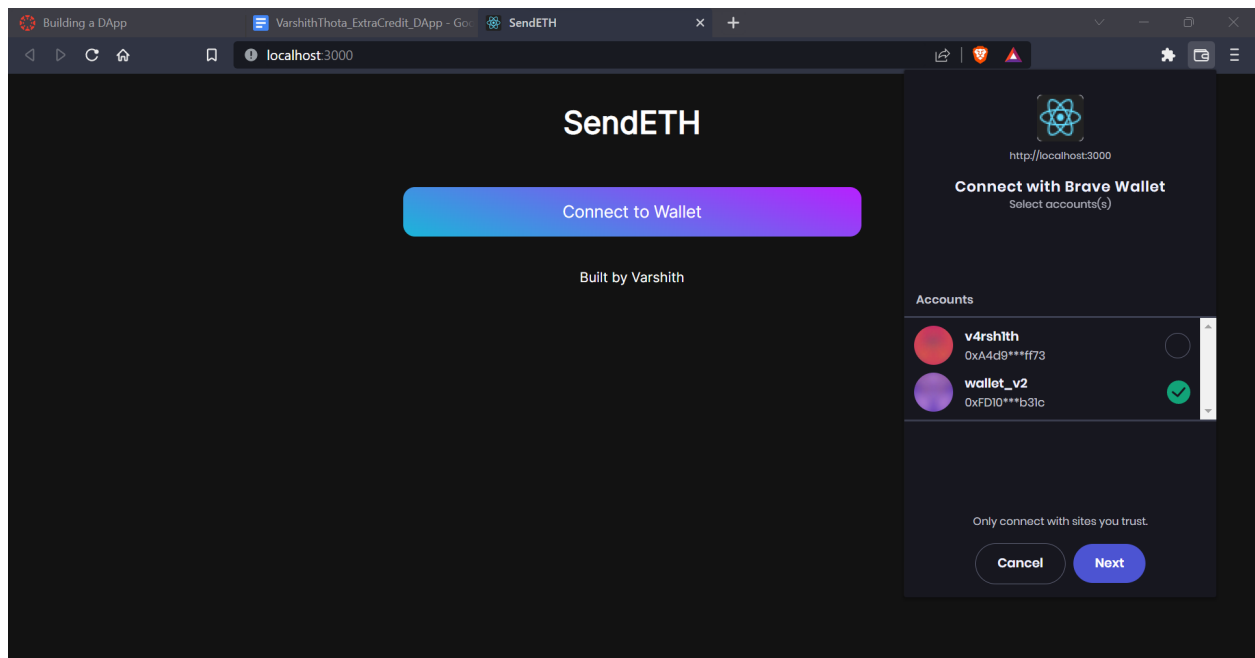
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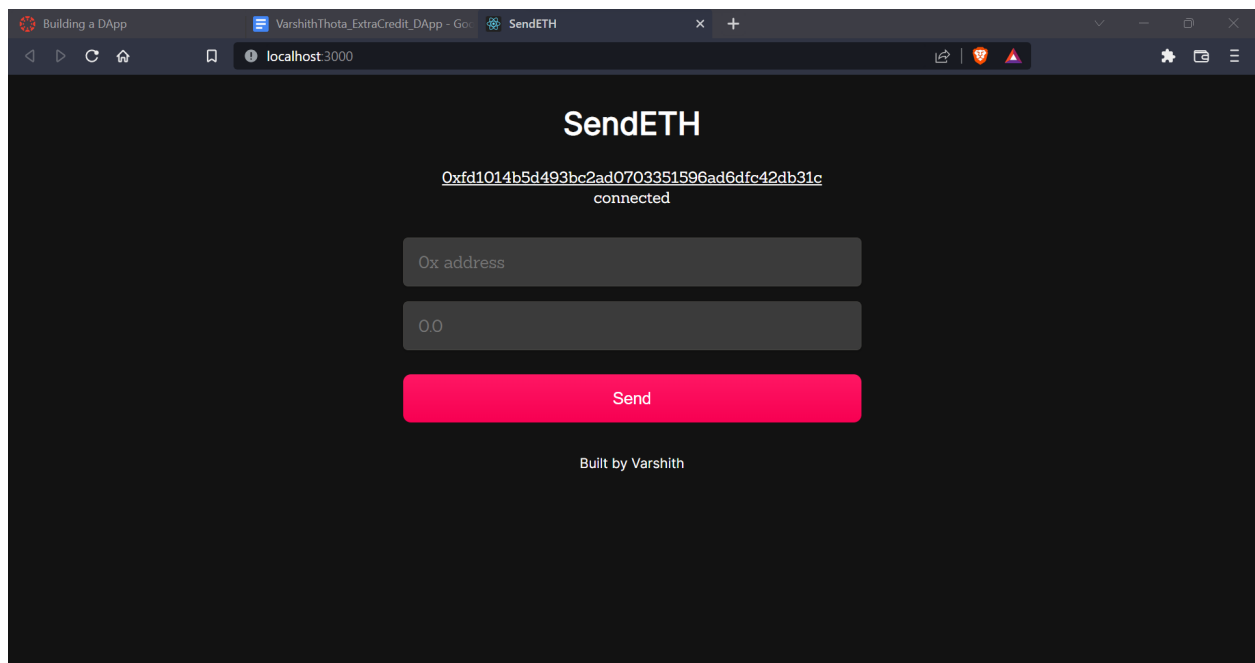
2. DApp running...



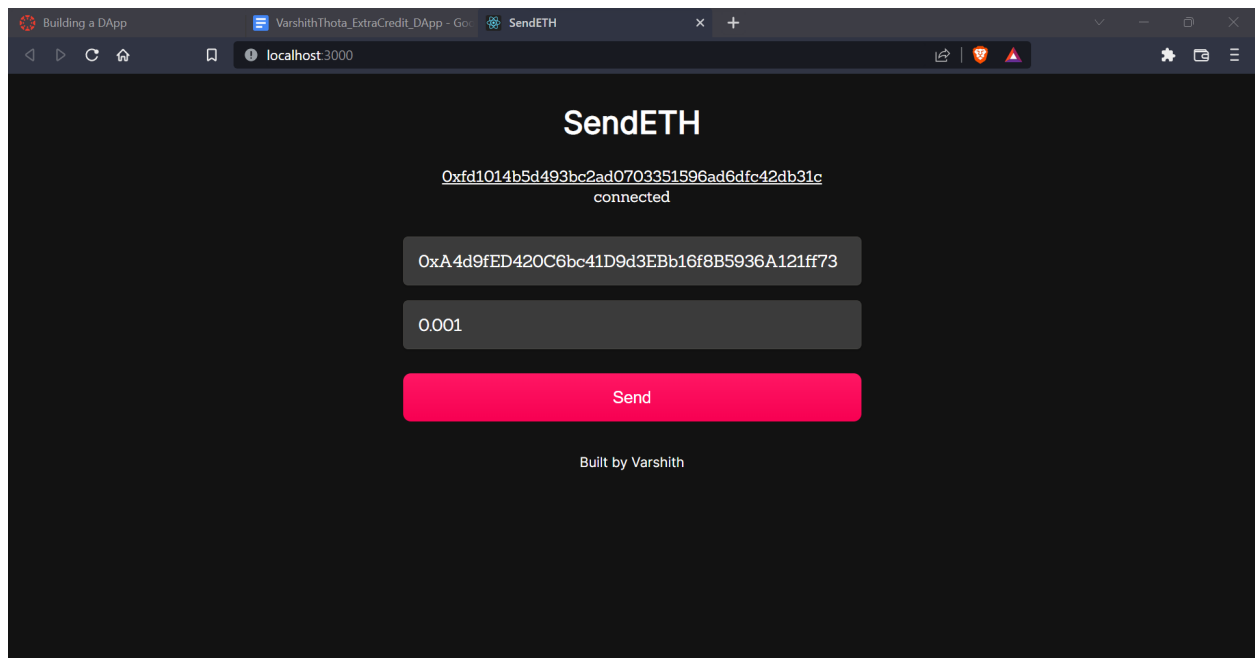
3. Click on the “Connect to Wallet” button and accept the confirmation



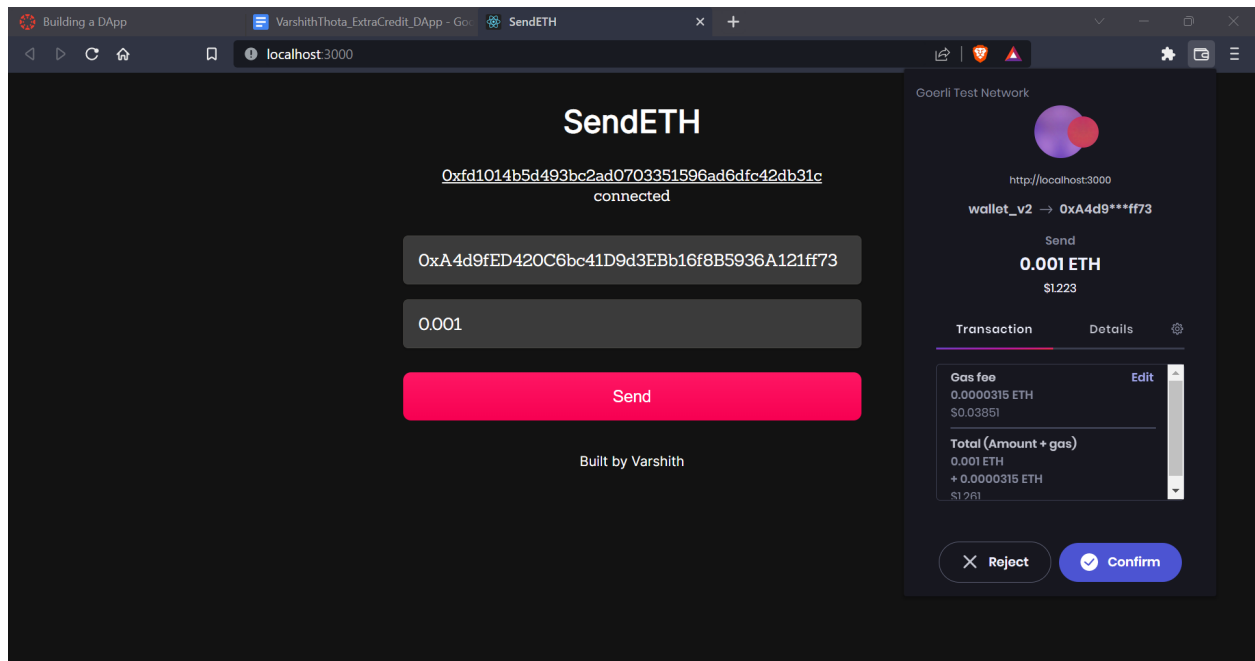
4. Wallet is connected to the DApp



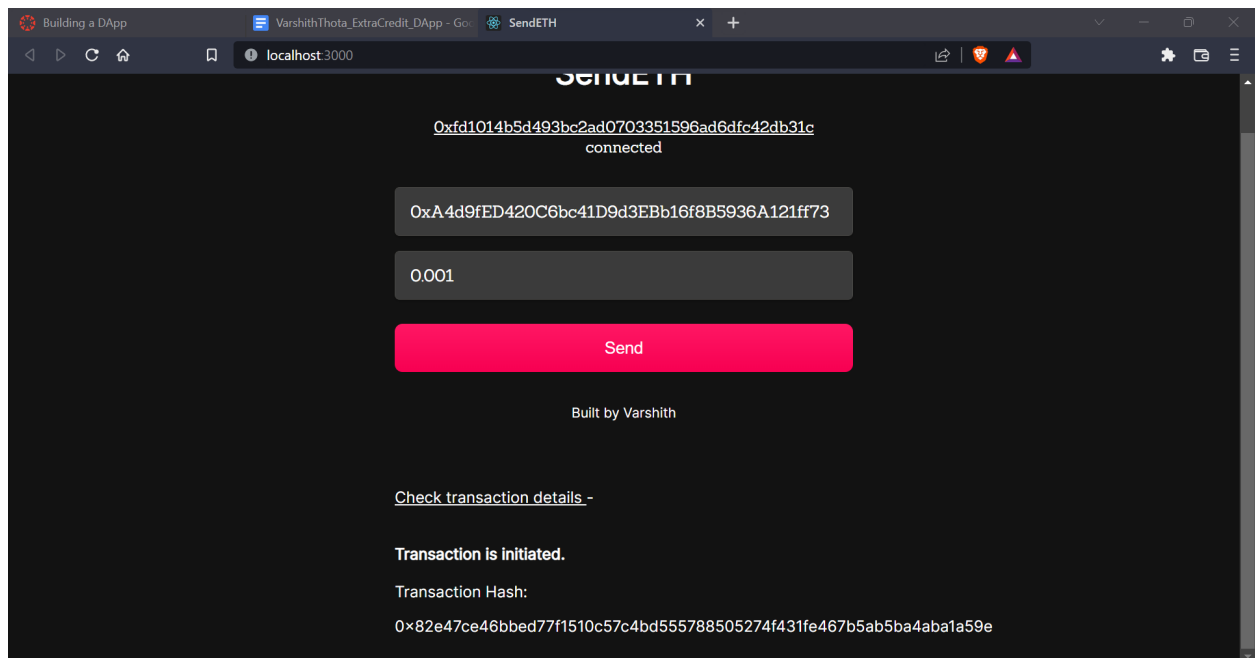
5. Input the recipient's address and the amount of tokens, Hit "Send"



6. Confirm the transaction in the wallet



7. The transaction gets initiated by generating a unique transaction hash



8. Check the transaction status on a block explorer like Etherscan

The screenshot shows the Etherscan website interface for a Goerli Testnet transaction. The browser's address bar displays the URL: `goerli.etherscan.io/tx/0x82e47ce46bbbed77f1510c57c4bd555788505274f431fe467b5ab5ba4aba1a59e`. The page title is "Transaction Details" with tabs for "Overview" and "State". A warning message states: "[This is a Goerli Testnet transaction only]". The transaction details are as follows:

Transaction Hash:	0x82e47ce46bbbed77f1510c57c4bd555788505274f431fe467b5ab5ba4aba1a59e
Status:	Success
Block:	8024104 4 Block Confirmations
Timestamp:	55 secs ago (Nov-26-2022 01:52:36 PM +UTC)
From:	0xfd1014b5d493bc2ad0703351596ad6dfc42db31c
To:	0xa4d9fed420c6bc41d9d3ebbb16f8b5936a121ff73
Value:	0.001 Ether (\$0.00)
Transaction Fee:	0.000031500001638 Ether (\$0.00)
Gas Price:	0.000000001500000078 Ether (1.500000078 Gwei)

At the bottom, there is a link: "Click to see More".