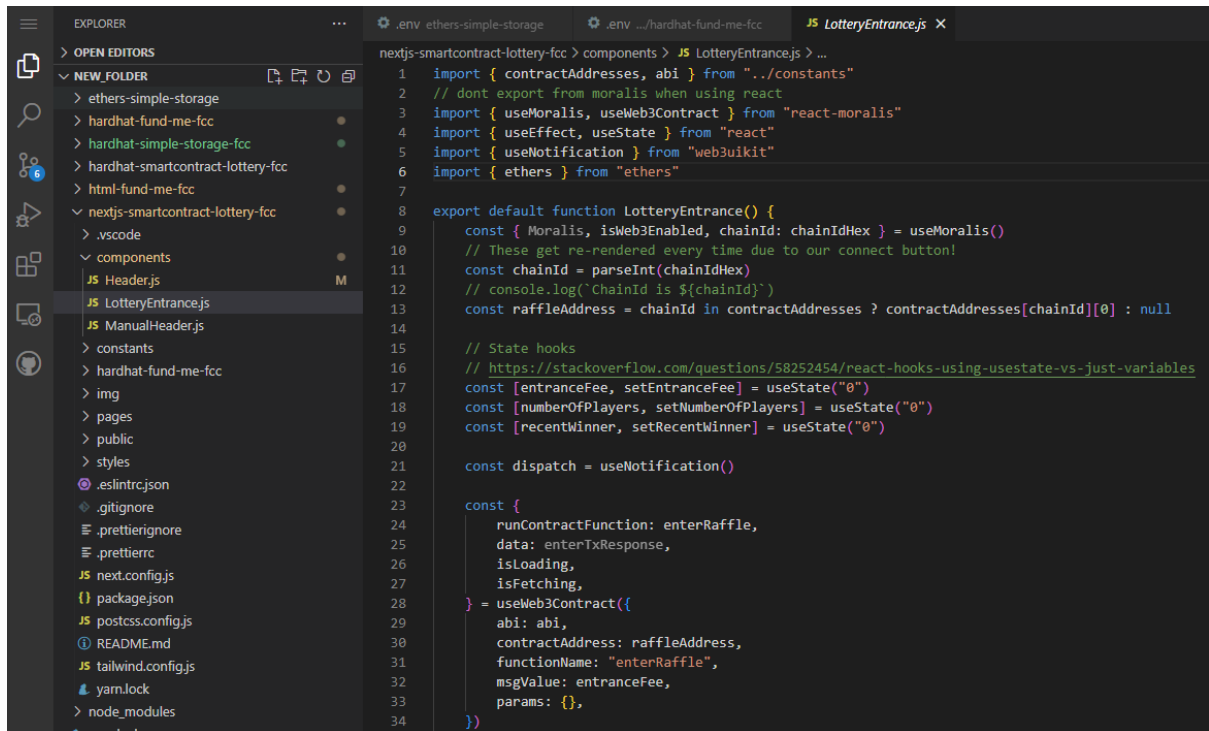


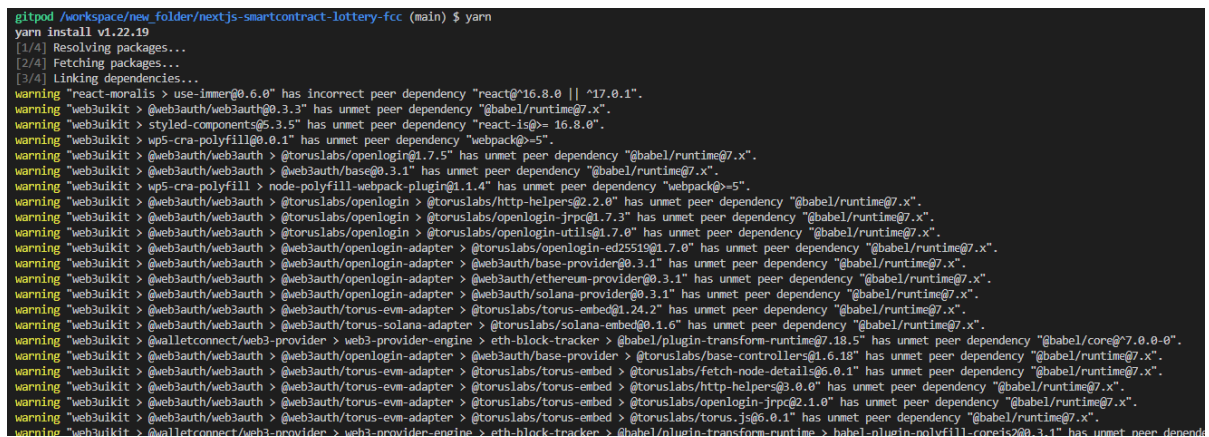
NextJS Smartcontract Lottery (Raffle) FCC :

Siapkan fungsi smart contract untuk lottery entrance



```
nextjs-smartcontract-lottery-fcc > components > JS LotteryEntrance.js > ...
1  import { contractAddresses, abi } from "../constants"
2  // dont export from moralis when using react
3  import { useMoralis, useWeb3Contract } from "react-moralis"
4  import { useEffect, useState } from "react"
5  import { useNotification } from "web3uikit"
6  import { ethers } from "ethers"
7
8  export default function LotteryEntrance() {
9
10   // These get re-rendered every time due to our connect button!
11   const chainId = parseInt(chainIdHex)
12   // console.log(`ChainId is ${chainId}`)
13   const raffleAddress = chainId in contractAddresses ? contractAddresses[chainId][0] : null
14
15   // State hooks
16   // https://stackoverflow.com/questions/58252454/react-hooks-using-usestate-vs-just-variables
17   const [entranceFee, setEntranceFee] = useState("0")
18   const [numberOfPlayers, setNumberOfPlayers] = useState("0")
19   const [recentWinner, setRecentWinner] = useState("0")
20
21   const dispatch = useNotification()
22
23   const {
24     runContractFunction: enterRaffle,
25     data: enterTxResponse,
26     isLoading,
27     isFetching,
28   } = useWeb3Contract({
29     abi: abi,
30     contractAddress: raffleAddress,
31     functionName: "enterRaffle",
32     msgValue: entranceFee,
33     params: {},
34   })
```

Jangan lupa untuk menginstall dependensi untuk workspace dengan perintah yarn



```
gitpod /workspace/new_folder/nextjs-smartcontract-lottery-fcc (main) $ yarn
yarn install v1.22.19
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
warning "react-moralis" > use-limmer@0.6.0" has incorrect peer dependency "react@^16.8.0 || ^17.0.1".
warning "web3uikit" > @web3auth/web3auth@0.3.3" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > styled-components@5.3.5" has unmet peer dependency "react-is@~ 16.8.0".
warning "web3uikit" > wp5-cra-polyfill@0.0.1" has unmet peer dependency "webpack@~5".
warning "web3uikit" > @web3auth/web3auth > @toruslabs/openlogin@1.7.5" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/base@0.3.1" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > wp5-cra-polyfill > node-polyfill-webpack-plugin@1.1.4" has unmet peer dependency "webpack@~5".
warning "web3uikit" > @web3auth/web3auth > @toruslabs/openlogin > @toruslabs/http-helpers@2.2.0" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @toruslabs/openlogin > @toruslabs/openlogin-jrpc@1.7.3" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @toruslabs/openlogin > @toruslabs/openlogin-utils@1.7.0" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/openlogin-adaptor > @toruslabs/openlogin-ed25519@1.7.0" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/openlogin-adaptor > @web3auth/base-provider@0.3.1" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/openlogin-adaptor > @web3auth/ethereum-provider@0.3.1" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/openlogin-adaptor > @web3auth/solana-provider@0.3.1" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/torus-solana-adaptor > @toruslabs/torus-embed@1.24.2" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/torus-solana-adaptor > @toruslabs/solana-embed@0.1.6" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > web3-provider-engine > web3-provider-engine > eth-block-tracker > @babel/plugin-transform-runtime@7.18.5" has unmet peer dependency "@babel/core@^7.0.0-0".
warning "web3uikit" > @web3auth/web3auth > @web3auth/openlogin-adaptor > @web3auth/base-provider > @toruslabs/base-controllers@1.6.18" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/torus-embed > @toruslabs/fetch-node-details@6.0.1" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/torus-embed > @toruslabs/http-helpers@3.0.0" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/torus-embed > @toruslabs/openlogin-jrpc@2.1.0" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @web3auth/web3auth > @web3auth/torus-embed > @toruslabs/torus-js@6.0.1" has unmet peer dependency "@babel/runtime@7.x".
warning "web3uikit" > @walletconnect/web3-provider > web3-provider-engine > eth-block-tracker > @babel/plugin-transform-runtime > babel-plugin-polyfill-corejs2@2.0.3" has unmet peer dependency "@babel/core@^7.0.0-0".
```

Kembali jalankan hardhat fund me yang sebelumnya untuk mendapatkan alamat dan link web

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

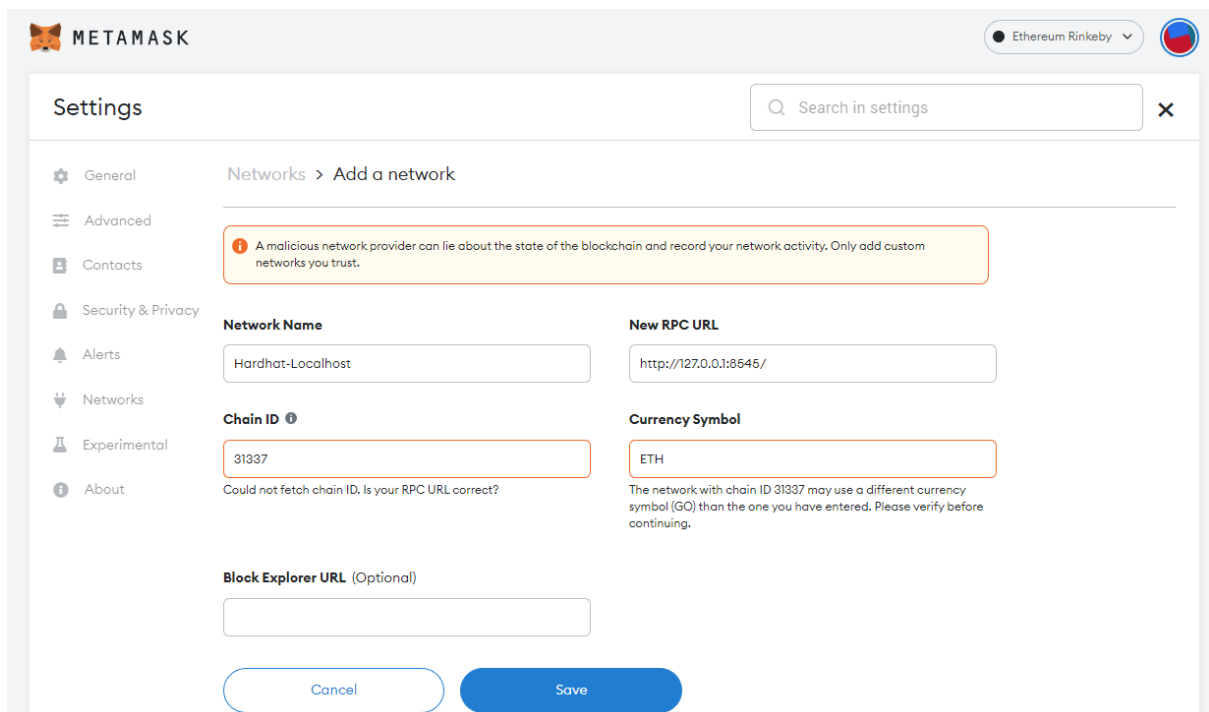
Solidity compilation finished successfully
Local network detected! Deploying mocks...
deploying "MockV3Aggregator" (tx: 0x2f60bd4c5a5dffe33cd22380f4891cfadb7f13aad763bb084e8a1c3336b892f9)...: deployed at 0x5Fb0B2315678afecb367f032d93f642f64180aa3 with 569635 gas
Mocks Deployed!

-----
You are deploying to a local network, you'll need a local network running to interact
Please run 'npx hardhat console' to interact with the deployed smart contracts!
-----

Deploying FundMe and waiting for confirmations...
deploying "FundMe" (tx: 0x0ef9772a689cc4c4275285764be7255faad25c489428eafa32cc266562650125)...: deployed at 0xe7f1725E7734CE288F8367e18b143E90bb3F0512 with 1058635 gas
FundMe deployed at 0xe7f1725E7734CE288F8367e18b143E90bb3F0512

-----
Deploying FunWithStorage and waiting for confirmations...
deploying "FunWithStorage" (tx: 0x716a3c50a86400e371732dfb4373b28696df0e6aa79a5b0046298cb2f7b18d8c)...: deployed at 0x9fE46736679d2D9a65F0992F2272dE9f3c7Fa6e0 with 227342 gas
Logging storage...
Location 0: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 1: 0x0000000000000000000000000000000000000000000000000000000000000001
Location 2: 0x0000000000000000000000000000000000000000000000000000000000000001
Location 3: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 4: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 5: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 6: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 7: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 8: 0x0000000000000000000000000000000000000000000000000000000000000000
Location 9: 0x0000000000000000000000000000000000000000000000000000000000000000
Started HTTP and WebSocket JSON-RPC server at http://127.0.0.1:8545/
```

Tambahkan network localhost dengan link yang telah diberi ke metamask

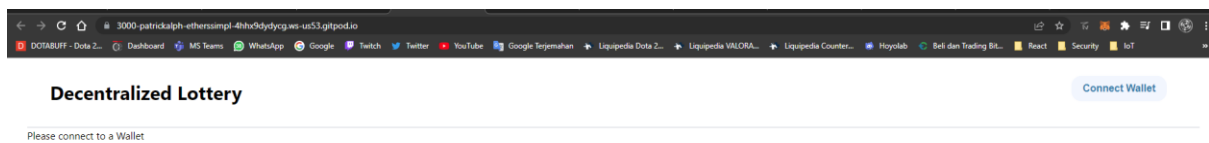


Jalankan perintah yarn dev untuk mengeksekusi tampilan web pada localhost

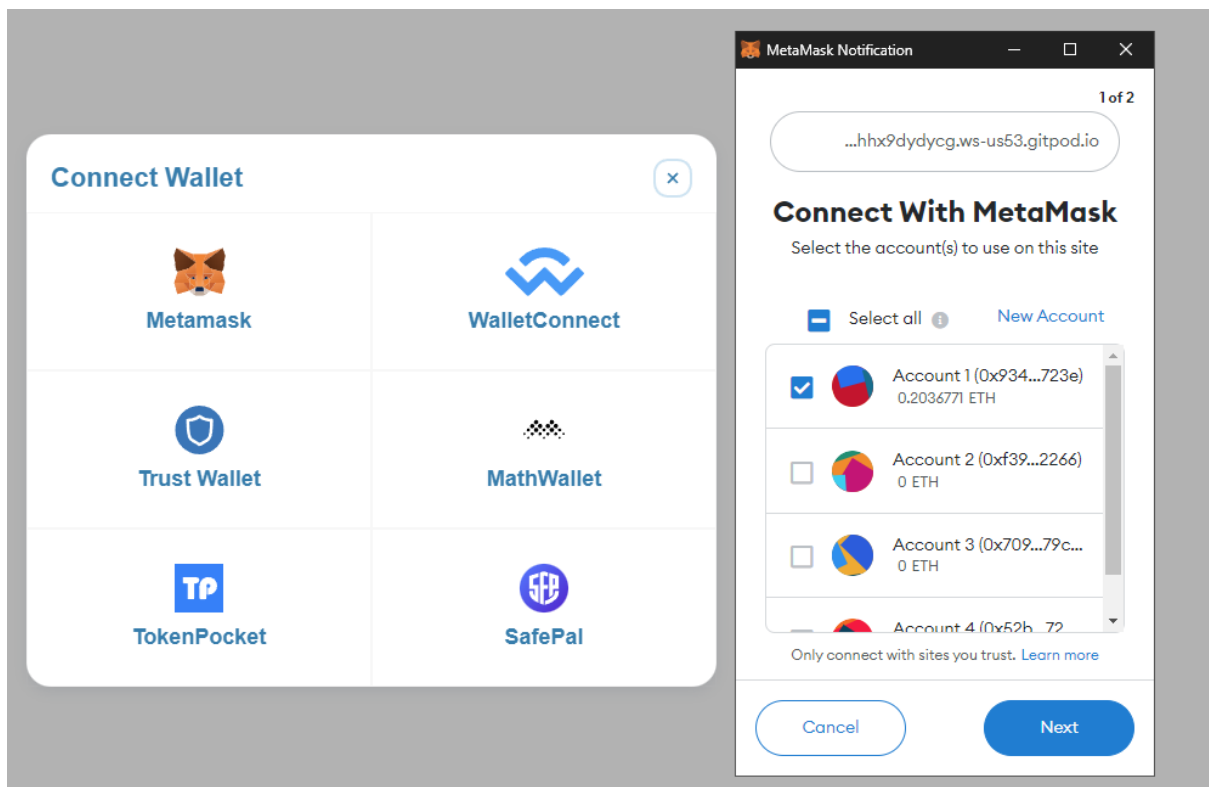
```
gitpod /workspace/new_folder/nextjs-smartcontract-lottery-fcc (main) $ yarn dev
yarn run v1.22.19
$ next dev
ready - started server on 0.0.0.0:3000, url: http://localhost:3000
wait - compiling...
warn - ./node_modules/moralis/lib/browser/Web3Connector/MagicWeb3Connector.js
Module not found: Can't resolve 'magic-sdk' in '/workspace/new_folder/nextjs-smartcontract-lottery-fcc/node_modules/moralis/lib/browser/Web3Connector'
Attention: Next.js now collects completely anonymous telemetry regarding usage.
This information is used to shape Next.js' roadmap and prioritize features.
You can learn more, including how to opt-out if you'd not like to participate in this anonymous program, by visiting the following URL:
https://nextjs.org/telemetry

warn - ./node_modules/moralis/lib/browser/Web3Connector/MagicWeb3Connector.js
Module not found: Can't resolve 'magic-sdk' in '/workspace/new_folder/nextjs-smartcontract-lottery-fcc/node_modules/moralis/lib/browser/Web3Connector'
wait - compiling / (client and server)...
wait - compiling...
warn - ./node_modules/moralis/lib/browser/Web3Connector/MagicWeb3Connector.js
Module not found: Can't resolve 'magic-sdk' in '/workspace/new_folder/nextjs-smartcontract-lottery-fcc/node_modules/moralis/lib/browser/Web3Connector'
```

Buka link <http://localhost:3000> untuk melihat smart contract pada tampilan web



Pilih tombol connect Wallet dan pilih metamask dan konfirmasi koneksi



Berikut tampilan ketika sudah berhasil terkoneksi

Decentralized Lottery

Lottery

[Enter Raffle](#)

Entrance Fee: 0.1 ETH


The current number of players is: 115

The most previous winner was: 0x00

Untuk memasuki lottery diperlukan sejumlah biaya dari wallet kita, dan

Decentralized Lottery

Lottery



Entrance Fee: 0.1 ETH
The current number of players is: 115
The most previous winner was: 0x00

MetaMask Notification

Ethereum Rinkeby

Account 1 → 0x459...1699

New address detected! Click here to add to your address book.

DETAILS DATA HEX

Estimated gas fee

0.04353191

0.043532 ETH

Site suggested

Likely in < 30 seconds

Max fee: 0.04353191 ETH

Total

0.14353191

0.14353191 ETH

Amount + gas fee

Max amount: 0.14353191 ETH

Reject Confirm

Tunggu beberapa saat hingga transaksi selesai, dan kita sudah bisa masuk kedalam lottery

Decentralized Lottery

Lottery

Enter Raffle

Entrance Fee: 0.1 ETH
The current number of players is: 116
The most previous winner was: 0x00

Informasi mengenai raffle entrance dapat dilihat di etherscan

Transaction Details < >

Overview Logs (1) State

[This is a Rinkeby Testnet transaction only]

Transaction Hash:

0xe60f5913a03bb45042c511d31af4dd1448949eb037908d9ad989640aab2c94fa

Status:

Success

Block:

1095175 5 Block Confirmations

Timestamp:

1 min ago (Jul-09-2022 04:50:32 PM +UTC)

From:

0x93471fe3e9c0f59ddfb143a5dbed5112e4e4723e

To:

Contract 0x459ff493b18c471ff91d0204e8da2d84ec331699

Value:

0.1 Ether (\$0.00)

Transaction Fee:

0.0000810375004322 Ether (\$0.00)

Gas Price:

0.000000001500000008 Ether (1.500000008 Gwei)

Click to see More