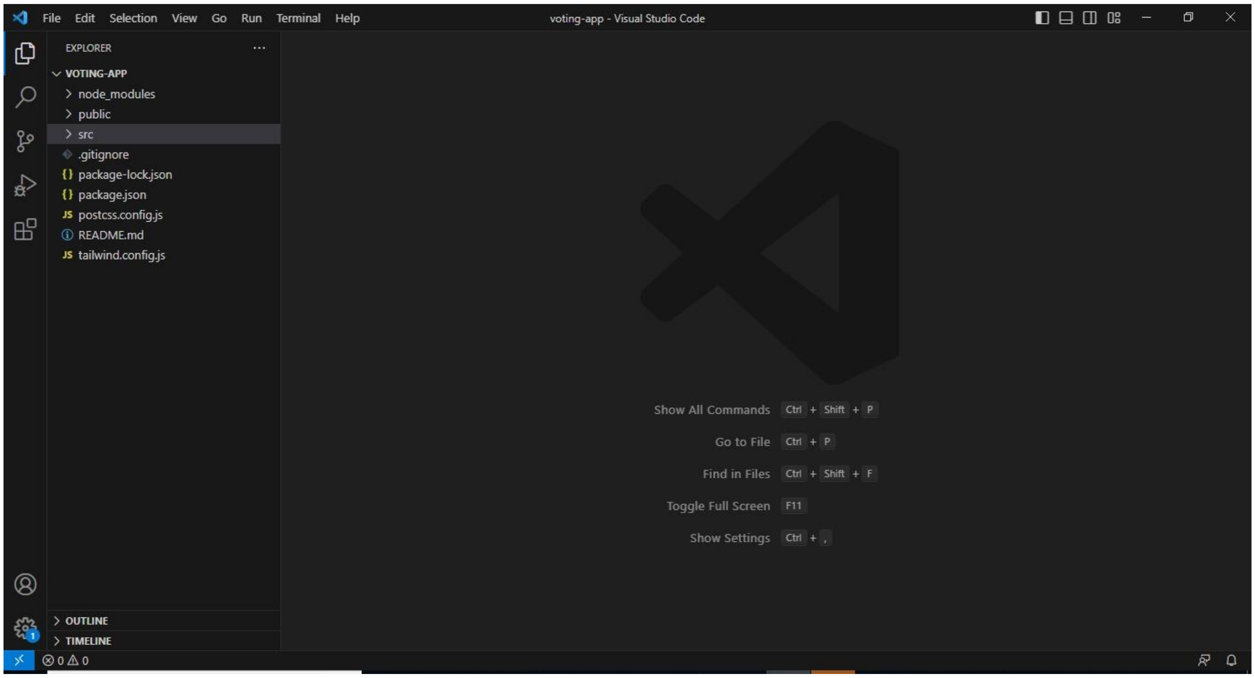
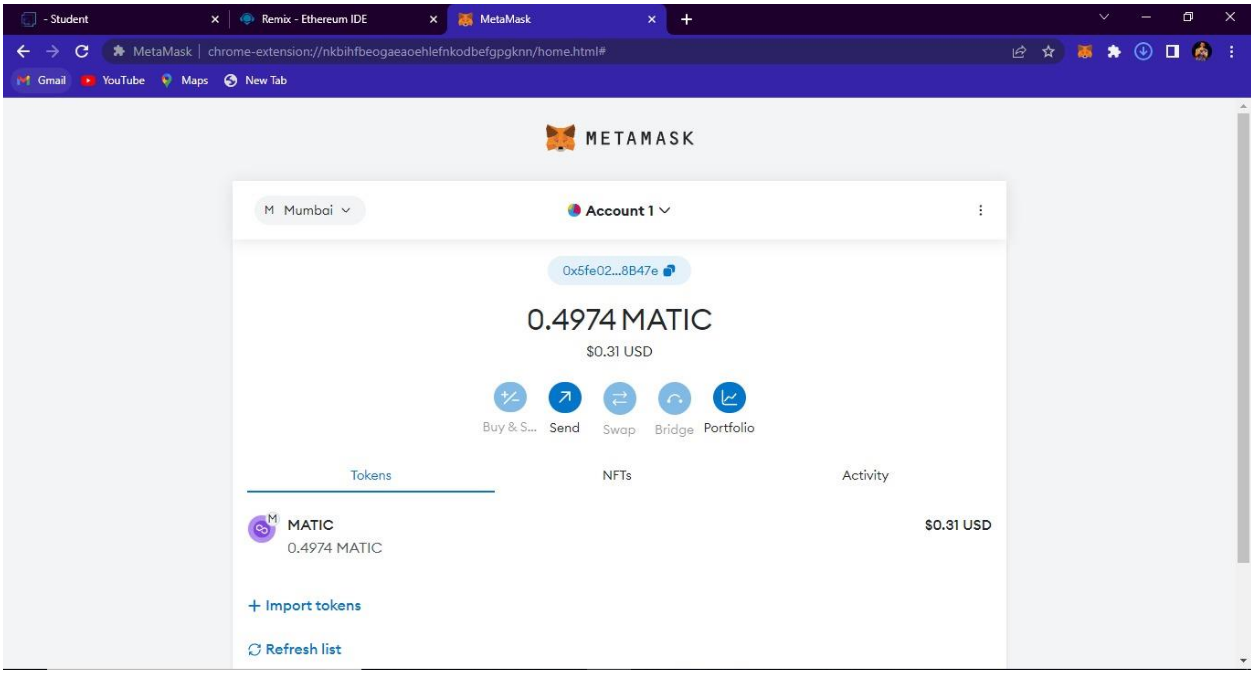
Project Development Phase
Model Performance Test

Date	27/10/2023
Team ID	NM2023TMID00666
Project Title	Electronic Voting System

Screen Shots

1.Information gathering



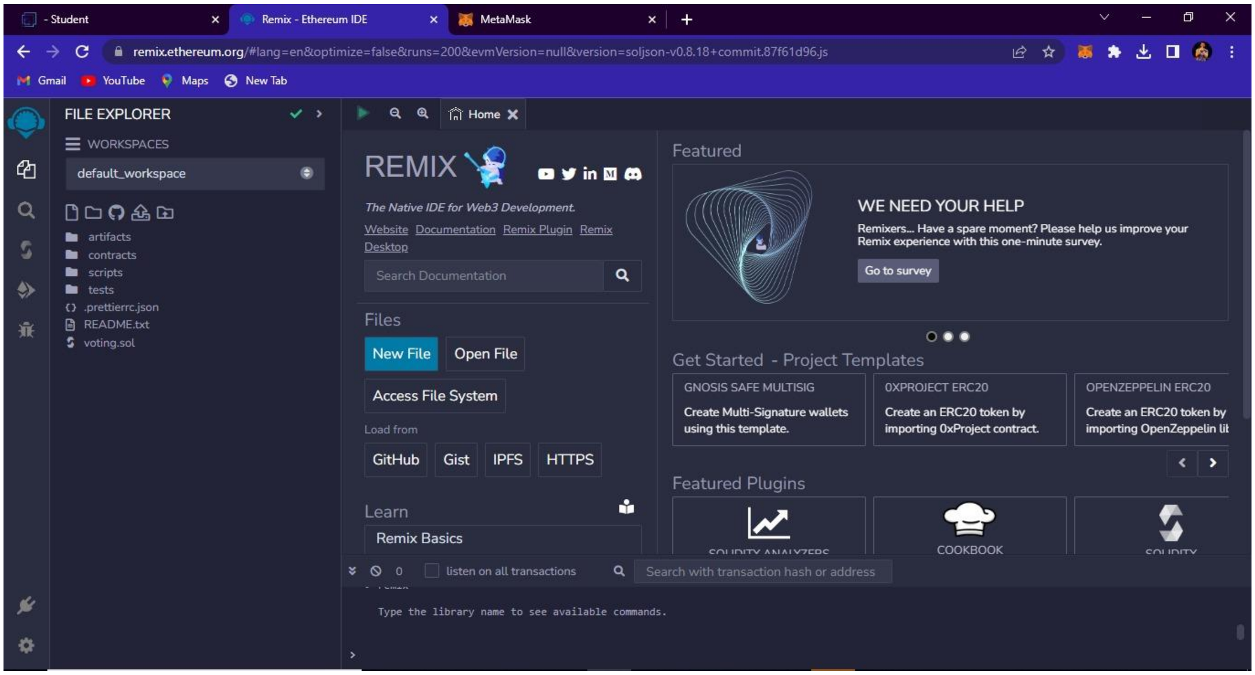


0x5fe02...8B47e

0.4974 MATIC

$0.31 USD

MATIC 0.4974 MATIC $0.31 USD



remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

The Native IDE for Web3 Development.

WE NEED YOUR HELP

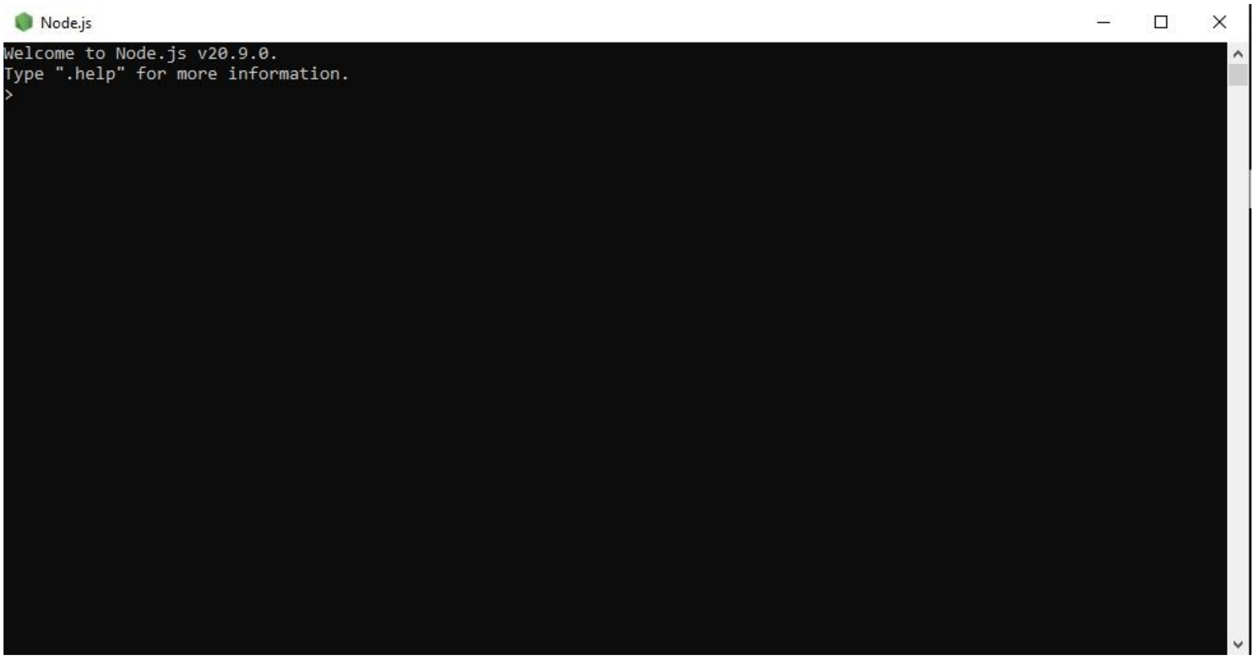
Remixers... Have a spare moment? Please help us improve your Remix experience with this one-minute survey.

Create Multi-Signature wallets using this template.

Create an ERC20 token by importing 0xProject contract.

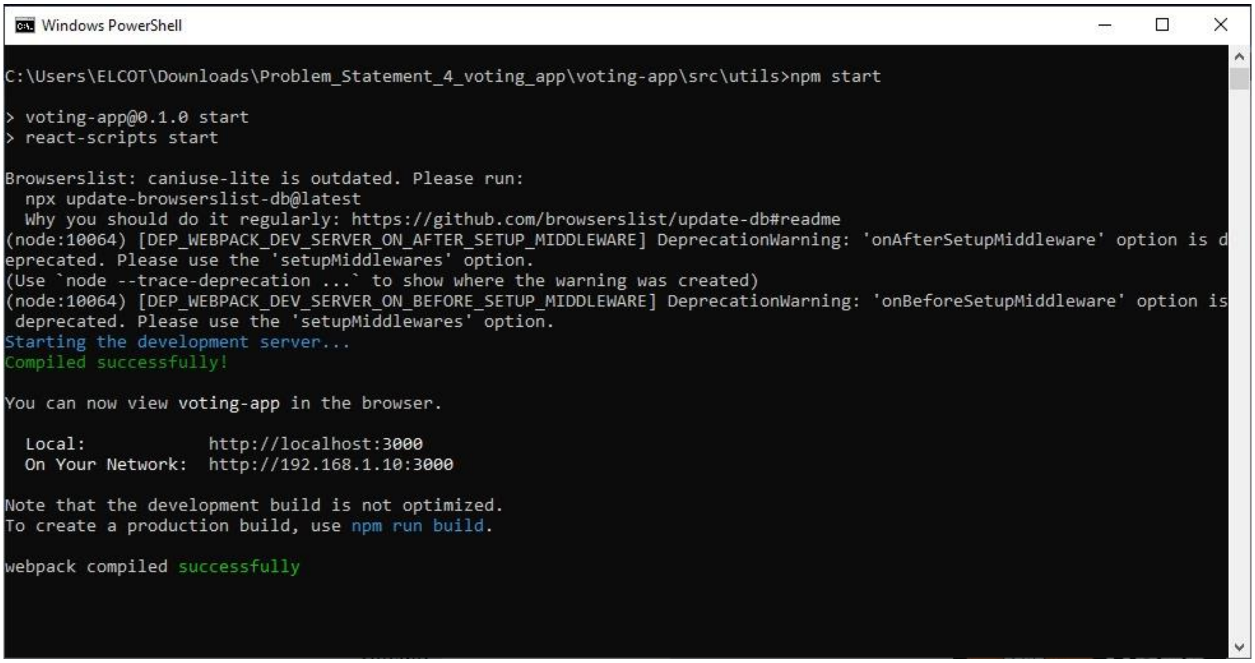
Create an ERC20 token by importing OpenZeppelin lit

```
Type the library name to see available commands.
```



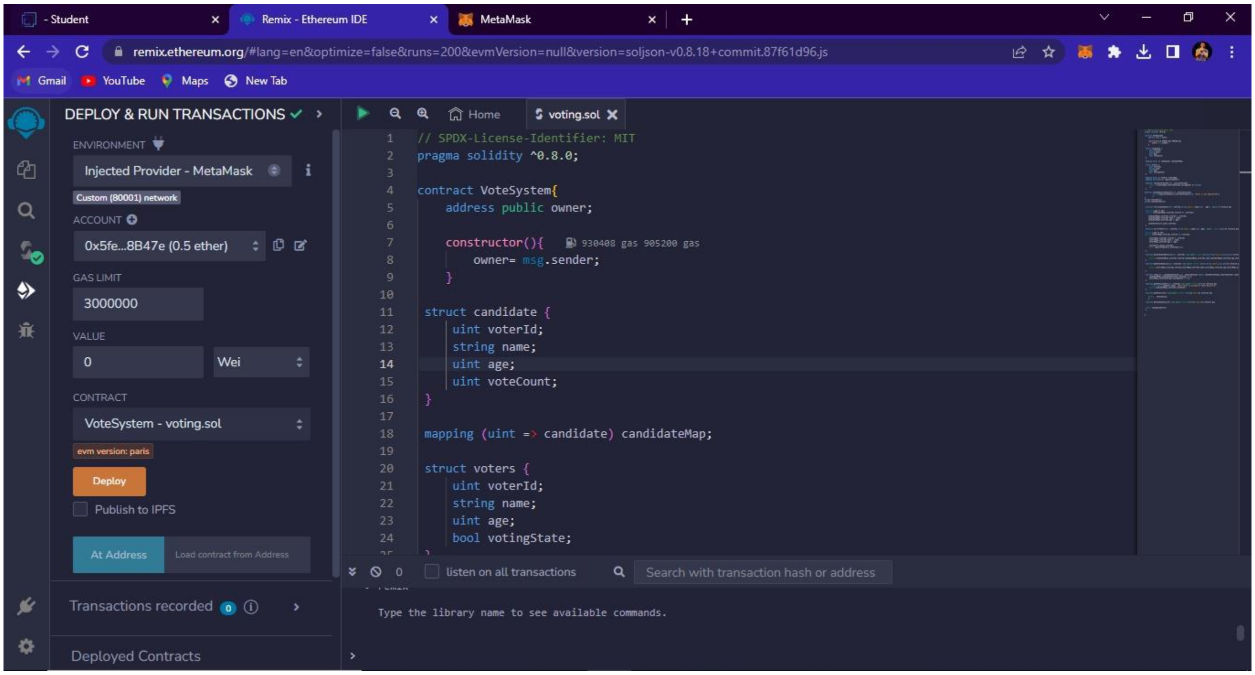
```
Welcome to Node.js v20.9.0.
Type ".help" for more information.
>
```

Cmd npm start



```
C:\Users\ELCOT\Downloads\Problem_Statement_4_voting_app\voting-app\src\utils>npm start

> voting-app@0.1.0 start
> react-scripts start

Browserslist: caniuse-lite is outdated. Please run:
  npx update-browserslist-db@latest
  Why you should do it regularly: https://github.com/browserslist/update-db#readme
(node:10064) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is d
eprecated. Please use the 'setupMiddlewares' option.
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:10064) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is
 deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

You can now view voting-app in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.1.10:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

Remix Ide platform explorting



remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT: Injected Provider - MetaMask

Custom (80001) network

ACCOUNT: 0x5fe...8B47e (0.5 ether)

GAS LIMIT: 3000000

VALUE: 0 Wei

CONTRACT: VoteSystem - voting.sol

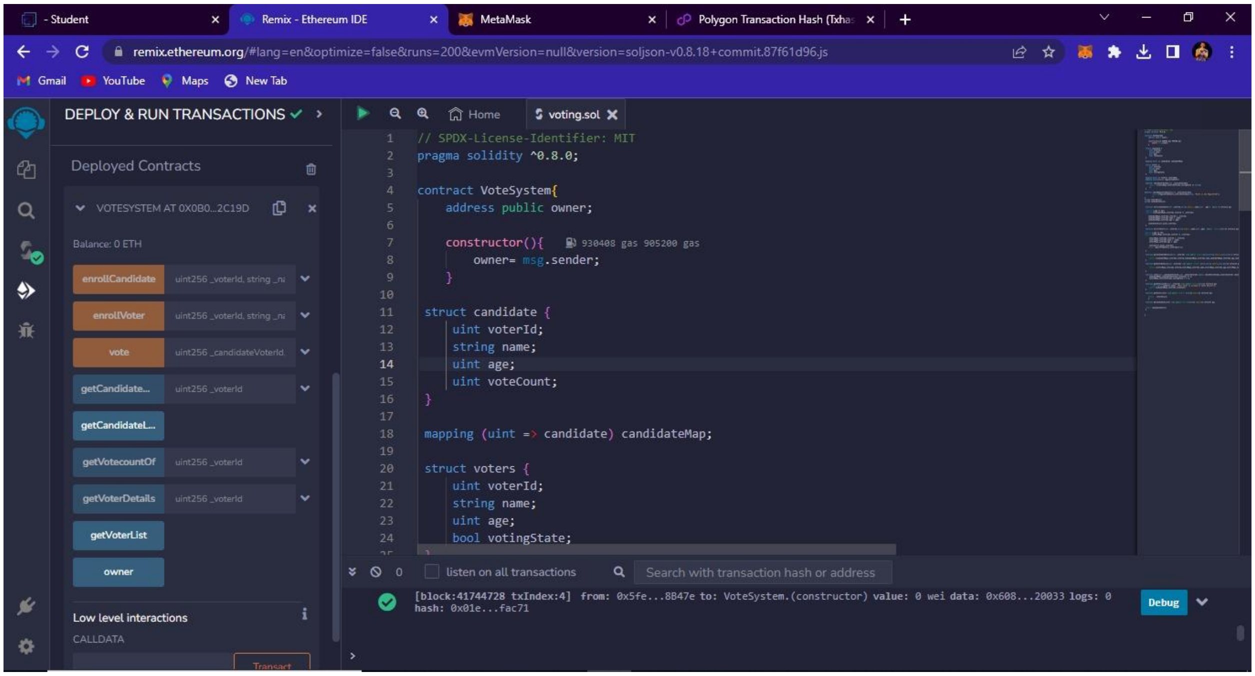
evm version: paris

□ Publish to IPFS

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;

contract VoteSystem{
    address public owner;

    constructor(){    930408 gas 905200 gas
        owner= msg.sender;
    }

 struct candidate {
     uint voterId;
     string name;
     uint age;
     uint voteCount;
 }

 mapping (uint => candidate) candidateMap;

 struct voters {
     uint voterId;
     string name;
     uint age;
     bool votingState;
```

0 □ listen on all transactions   Search with transaction hash or address

```
Type the library name to see available commands.
```



remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

DEPLOY & RUN TRANSACTIONS

Deployed Contracts

VOTESYSTEM AT 0X0B0...2C19D

Balance: 0 ETH

- enrollCandidate: uint256 _voterId, string _na
- enrollVoter: uint256 _voterId, string _na
- vote: uint256 _candidateVoterId
- getCandidate...: uint256 _voterId
- getCandidateL...
- getVotecountOf: uint256 _voterId
- getVoterDetails: uint256 _voterId
- getVoterList
- owner

Low level interactions

CALLDATA

```
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pragma solidity ^0.8.0;

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```
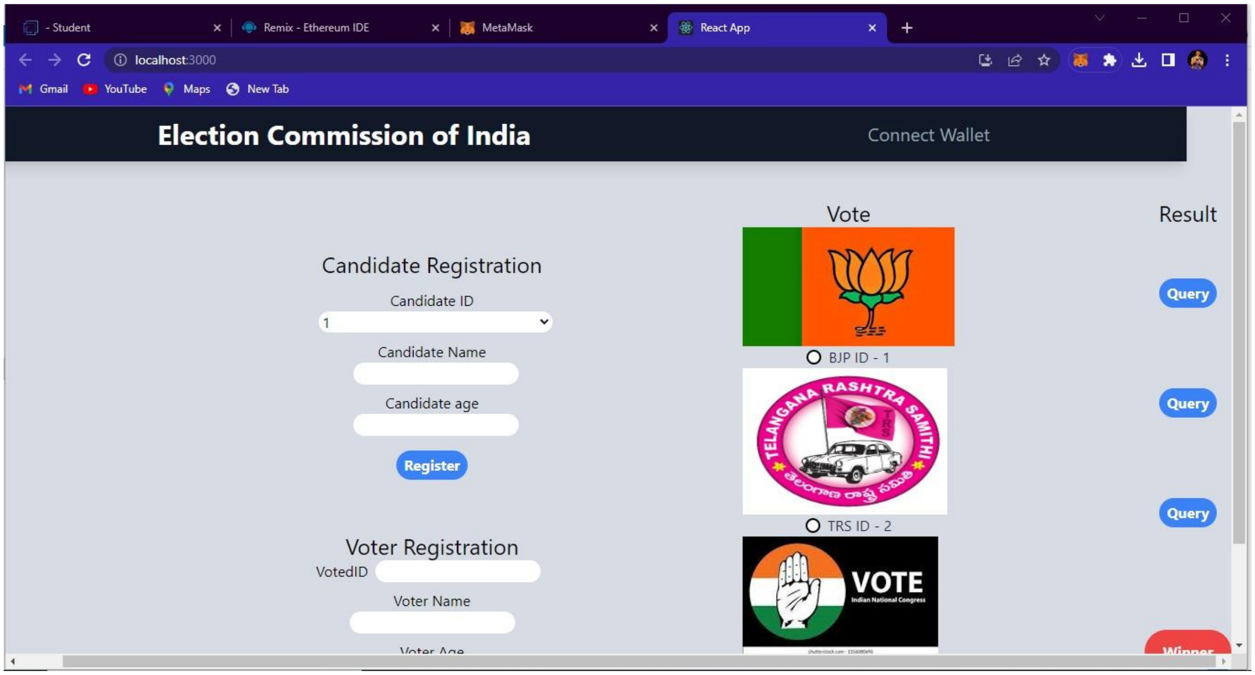
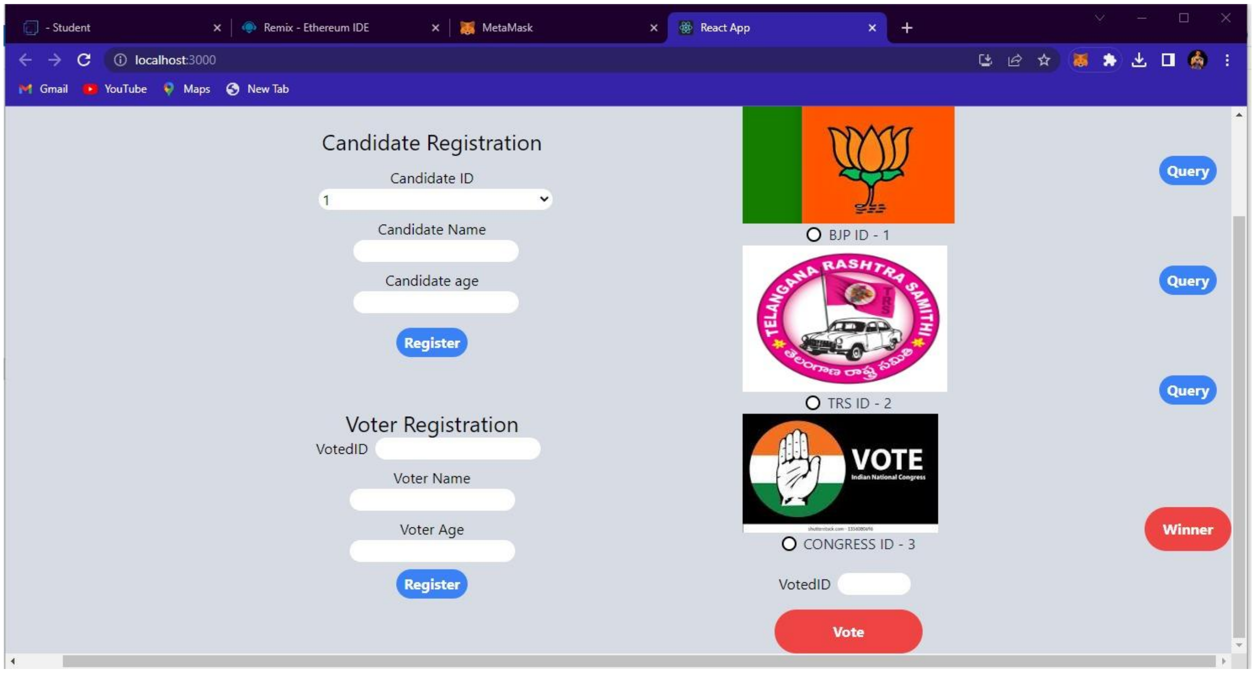

0 □ listen on all transactions   Search with transaction hash or address

```
[block:41744728 txIndex:4] from: 0x5fe...8B47e to: VoteSystem.(constructor) value: 0 wei data: 0x608...20033 logs: 0
hash: 0x01e...fac71
```

Front end


- Student
Remix - Ethereum IDE
MetaMask
React App
localhost:3000
Gmail
YouTube
Maps
New Tab
Election Commission of India
Connect Wallet
Vote
Result
Candidate Registration
Candidate ID
1
Candidate Name
Candidate age
Register
Query
BJP ID - 1
Query
TRS ID - 2
Query
Voter Registration
VotedID
Voter Name
Voter Age
Winner


- Student
Remix - Ethereum IDE
MetaMask
React App
localhost:3000
Gmail
YouTube
Maps
New Tab
Candidate Registration
Candidate ID
1
Candidate Name
Candidate age
Register
Query
BJP ID - 1
Query
TRS ID - 2
Query
Voter Registration
VotedID
Voter Name
Voter Age
Register
CONGRESS ID - 3
Winner
VotedID
Vote