



PLACEHOLDER

UniswapV3 Simulator

UniswapV3 Simulator on its name is a swap project which its architecture is broadly based on the UniswapV3.

All algorithms associated with this project is based on what is happening in UniswapV3 behind the scene.

For better understanding the swap and add liquidity process you could go to [this](#) directory to see the calculations.

NOTE: All resources that I used to build this project adjusted at the end of this readme.

Environment Variables

To run this project via foundry, you will need to add the following environment variables to your .env file (Choose appropriate on based on the network that you want interact with)

ALCHEMY_API_KEY

ALCHEMY_ENDPOINT

ETHERSCAN_API_KEY

YOU-TEST-WALLET-PRIVATE-KEY

Deployment

PROF

To deploy this project run

```
forge script script/UniswapV3SimulatorDeployer.s.sol --rpc-url <RPC-URL> --broadcast --verify
```

Running Tests

To run tests, run the following command

```
forge test -vvv
```

To get test coverages run:

forge coverage

Optimizations

DETAILS WILL ADD ASAP.

Authors

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Resources

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