

# UniswapV2 Deployment

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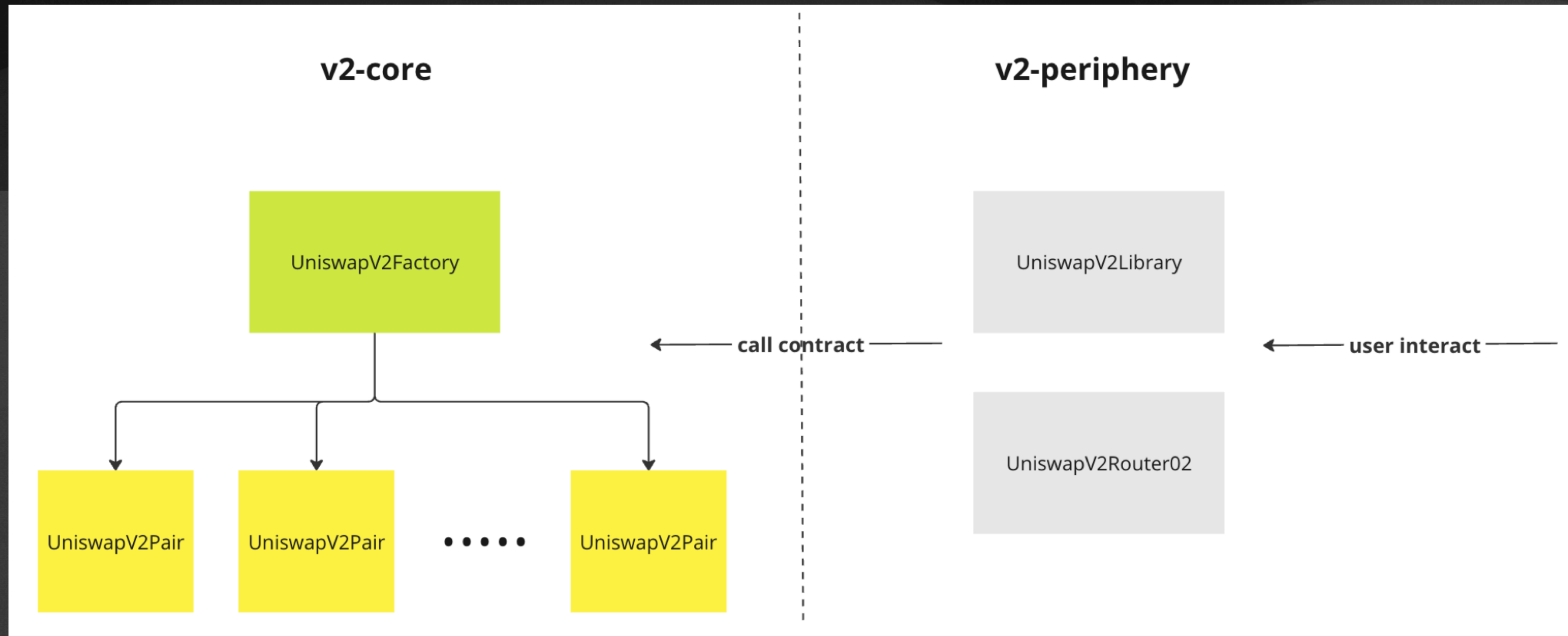
# Why Development of UniswapV2?

- **Current Ecosystem:** user typically directly interact with swap pools on the uniswap app
- **Solution:** create a front-end that user can deploy their own pool and also interact with them, without using the uniswap app

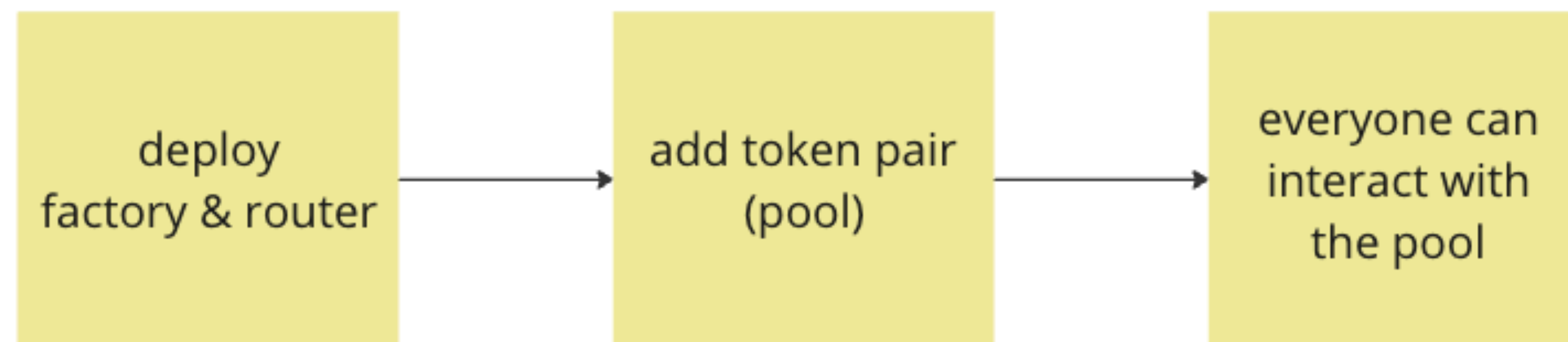


# Contract Architecture

- factory: factory contract that deploys all the pairs (using create2)
- pair: act as an AMM and also a ERC-20 contract for pools
- router, library: contract with frontend offering functions

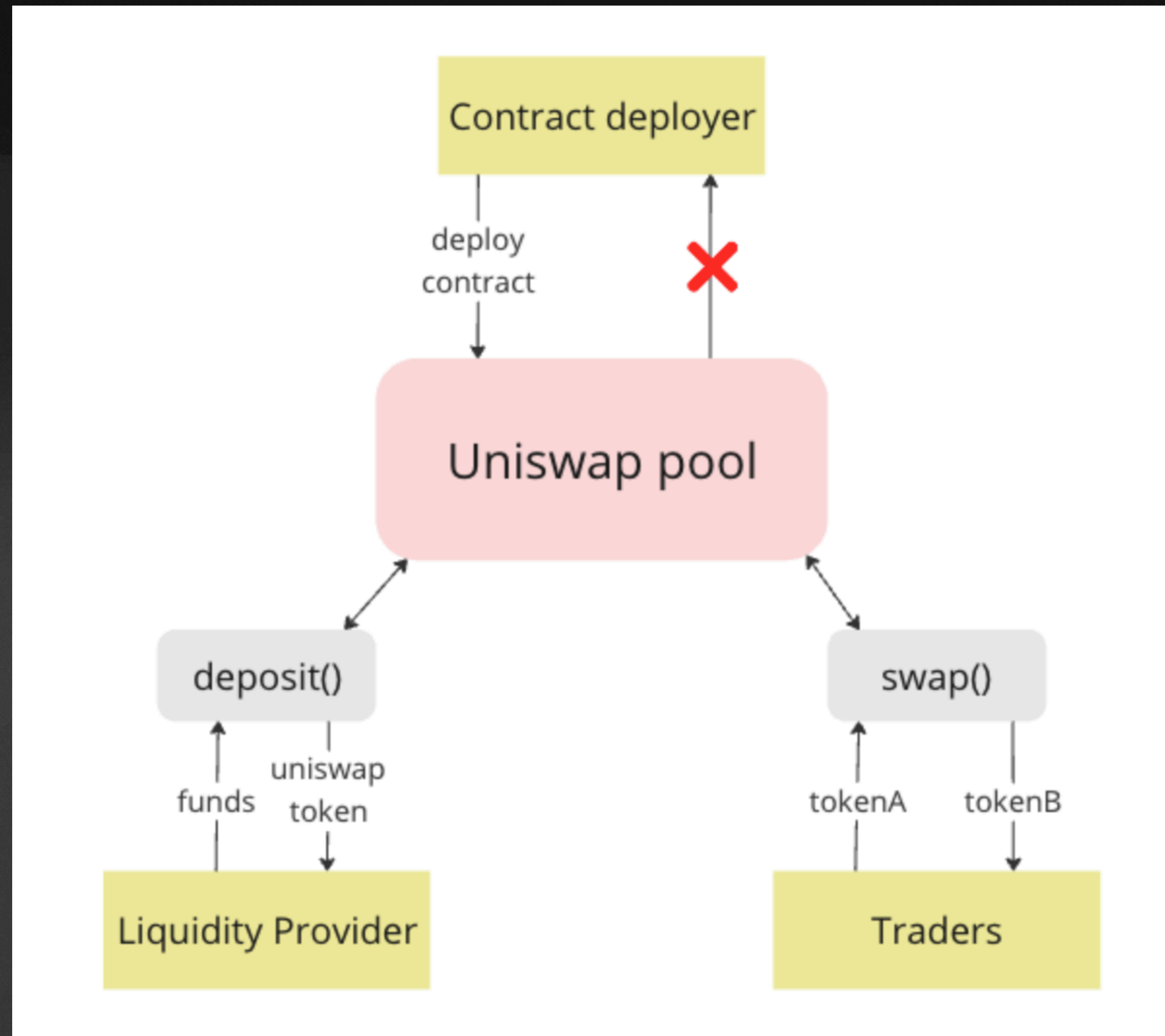


# Workflow





# Ecosystem Participants

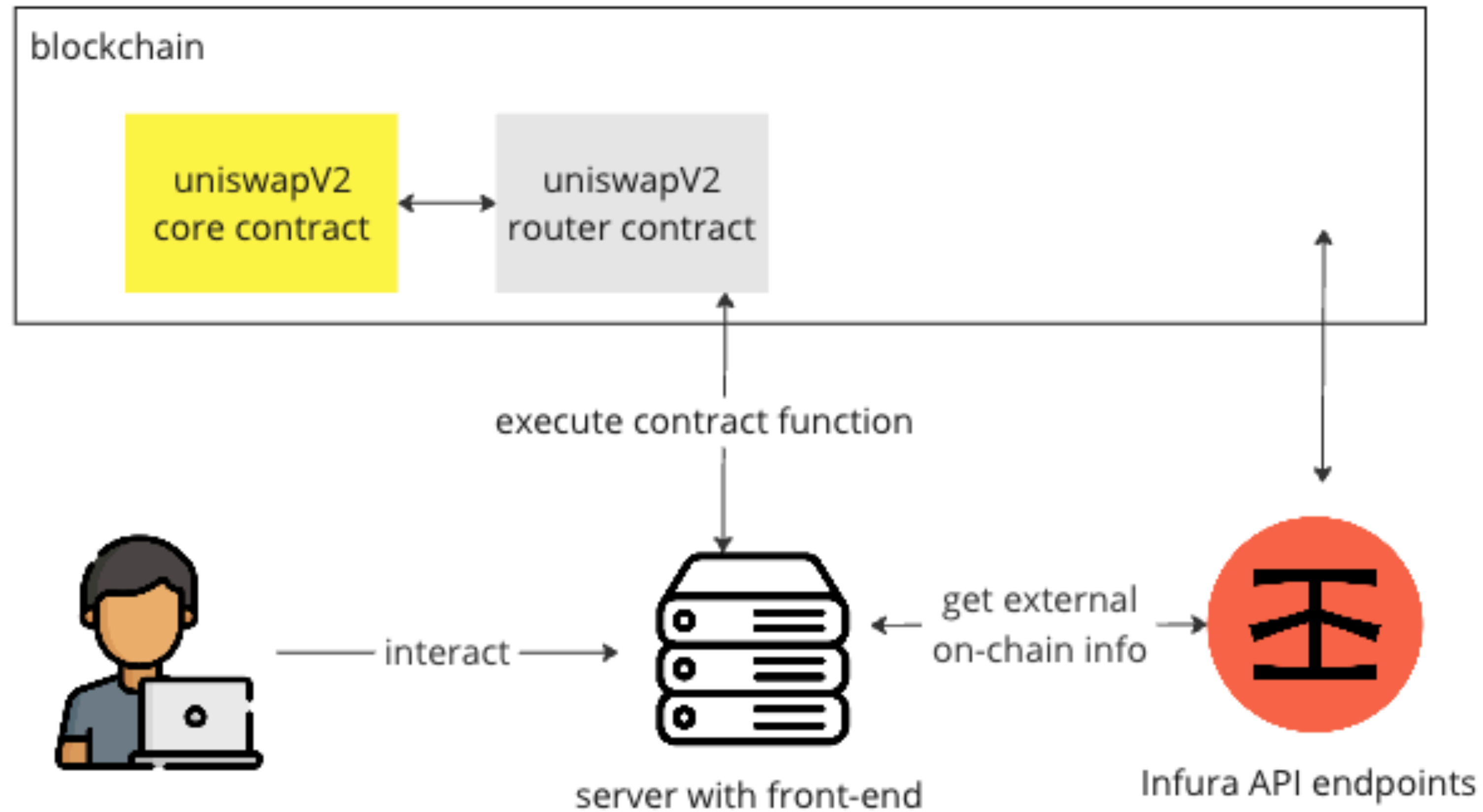




# Project Demonstration



# System Architecture







Thanks & QA



UniswapV2 Factory Contract At: 0x822F52fcdf5d9a4629d58997dC5664ff9d005F48

INDEX	TOKEN1	TOKEN2	PAIR ADDRESS
0	TokenA (TKNA) at 0x187164...	TokenB (TKNB) at 0x1ea6Fc...	0xb2a18cBcFda88eBDC1761DF1D42567F952F14E08

All Pairs of factoryContract listed here

**Create new Pair**

Token 1 Address

0x.....

Token 2 Address

0x.....

**Submit**



## Pool Status

Pair Address:  
0xb2a18cBcFda88eBDC1761DF1D42567F952F14E08



[TokenA \(TKNA\)](#)\_Amount

300

[TokenB \(TKNB\)](#)\_Amount

150

Provide Liquidity

Withdraw Liquidity

Swap

### Provide Liquidity

Receive the 0.3% transaction fee split by liquidity providers

TokenA (TKNA) Desired Amount

number

TokenB (TKNB) Desired Amount

number

TokenA (TKNA) Minimum Amount

number

TokenB (TKNB) Minimum Amount

number

Make Transactions