

Unfortunately, I am not allowed to share the application codes. In the following, I will explain some aspects of our work.

These days the cryptocurrency market is so popular and trend. Exchange markets such as Binance and Uniswap have a massive trading volume each day. However, recently we hear lots of unsavory news of the hacking of the Exchange markets. Until now, roughly near fifty percent of the centralized markets had been targeted by attackers or even stole people's money themselves. In centralized exchange markets (CEX), people allow the CEXes to have access to their wallets and the transactions executed by them. All these securities deficits rendered to the emergence of the decentralized exchanges (DEX). In DEXes, people do not permit them to access their wallets, and DEXes provide some services. One of their performances besides their safety is the provision of liquidity.

A market maker in the DEX tries to gather liquidity from liquidity providers (LPs) and store them in the liquidity pools by involving LPs with the income that the DEX makes by the trades. When traders (swappers) want immediately change their assets, they have to pay a fee to the Exchange, and the Exchange shares it among the LPs. In other words, LPs are interested in investing their money in the DEX; however, they even can change their assets with some specific orders. The market maker has to handle the price, LPs interests, the total amount of liquidity in the liquidity pool.

The platform of our market maker has a lot in common with Uniswap-V3, which you can visit the site for further information:

[Uniswap | Home](#)