# JIT Developer Test

This test is designed to be open ended, however we don't expect you to take hours of your time to come up with an optimal solution. We want to see how you think and how you approach such a problem as this. We will discuss your solution with you.

JIT is a market making firm, as such the test is designed around this concept.

**Objective:**
JIT does a lot of business in Defi. One of the exchanges we work with is Chainflip. This challenge is to develop a basic framework for interacting with the pools on Chainflip.

**Requirements:**

1. You will need to run a node, to do this follow the instructions on this page:
   https://github.com/chainflip-io/chainflip-perseverance

   This node will allow you to interact with the Chainflip testnet perseverance.

   You will not need testnet FLIP or to fund the node in this case. You only need to run the node, not the lp or broker packages.

2. Develop a framework to request information from the pools. Examples can be found in the Chainflip documentation.
   https://docs.chainflip.io/integration/liquidity-provision/liquidity-provision-basics

   We need to see the active liquidity and the current price for the pool.

   These are both cf_… commands hence you do not need a funded lp account.

3. Develop an orderbook that can receive orders and process them from the Chainflip order api. Note, this will require the ability to handle both limit and range orders.

**Considerations:**

1.  Market making is a high frequency activity, try and make your code as efficient as possible.
2.  Consider your testing approach.
3.  Any programming language is acceptable, but we would prefer Python, Rust, C++ or Typescript.