Decentralized Mutual Funds

**Abstract:**

The decentralized mutual funds are created from the multiple investors investments. Any Ethereum user can register as a portfolio manager that is approved by the mutual fund company. The portfolio manager get the ether from the investor and it can be convertable the current value of token’s . The manager process that tokens and invest into the investment company and dividend will be shared among portfolio manager through investor.

In this project, we will be implementing a mutual fund company on the Ethereum blockchain. Below are detailed requirements of the project.

1. Any Ethereum account user should be able to register as a Portfolio manager.
2. The user should deposit some Ether to register as a portfolio manager and start the fund.
3. When the fund is started, generate X fund tokens that will be sold in the market
4. The manager should be able to purchase individual tokens to build her portfolio
5. The frontend should show the breakdown of tokens and remaining Ether in each manager’s portfolio
6. The investor should be able to deposit Ether and receive fund tokens in return. The fund tokens should be minted and sent to the investor
7. The manager should be able to issue dividends to the investors at any time

