

COSC 412: Individual Project Requirements

Functional Requirements:

1. The website must have a search function that allows the users search for what type
2. The cryptocurrency exchange must have a section in the dashboard of the cryptocurrency that the user has in their account
3. The website must have a buy/trade function in which the user is allowed to purchase the cryptocurrency that is available in the exchange
4. The buy function can give the user to do a market order or a limit order while buying the cryptocurrency that they selected
5. The sell function can give the user a market order or a limit order while trading the cryptocurrency that they selected.

Nonfunctional Requirements:

1. Cryptocurrency that are available in the exchange are going to be run through an API (depending on which API will use, it will have the available cryptocurrency that it has) or by using a blockchain (Ethereum Blockchain) in which the blockchain will only allow any cryptocurrency that has the same smart contract.
2. Technology (Inconsideration): Javascript, React.Js, HTML, Digital Ocean, Truffle, Ganache, Node.js, OpenDax, Docker, Ethereum BlockChain, CoinMarketAPI
3. Time: Website to be fully operational by 7/23