Use at least 6 digit code for password change confirmation.

Have thread on server running updating predictions of prices every 15 mins to avoid recalculation every time user asks for it. Should such data be in nosql?

URLs for real assets view best handled via POST perhaps it should all be confidential info what they were viewing.

Autocomplete suggestions mentioned in SSU regarding search of assets can be done by creating a static trie to load into frontend, so the user does not have to request the search from the server. Trie can be updated whenever new ticket symbol gets added (new asset in db gets created) and new one would be statically delivered afterwards, that is if the list does not take much memory, otherwise the server should do it, and in that case, there should be an index on the Asset table that sorts by ticker symbol.

If user wants to cancel their purchase/sale request the system can just set the quantity requested to be equal to the quantity satisfied. If that number is 0 then frontend can display as cancelled instead of stopping at some point.

Once the user creates a purchase/sale request then immediately afterwards executes the code that tries to match all possible requests, since without new request in our system there would be no new requests being fulfilled there is no need for a separate running thread doing just that.

If merging this system with for example Alpaca then when trying to merge our users requests first cancel Alpaca check whether it is once again possible and if so only then merge.

Admin deleting a trader, do their active trade requests get terminated and do they get paid, how to handle this ???

In portfolio should be showing requests and when selecting requests only then seeing transactions, search bar can search all the requests.