Testing Checklist v0.8

Basic Issues – Registration

1. Can you/I register?

Notes: Yes. A simple registration using a fake name and fake e-mail, and using the AlpacaID and key generated on my end allowed me to be able to submit a registration, something that demonstrably worked. Note the screenshot below with the fourth entry in each table being mine.A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

1. Does the maximum length for registering work?

Notes: Sort of. While the maximum length does work, it doesn’t stop the rest of the program from going, so it continues until the program realizes that the entry was denied in the first place. Where things get weird is that only certain parts of the database get updated as well, such as in trading strategies (which could prove to be a problem later on…) I’ve demonstrated this on the next page and in Question 4.

Text

Description automatically generatedA screenshot of a computer

Description automatically generated with medium confidence

1. Does the application handle complete duplicates?

Notes:

1. Do all the trading strategies get applied?

Notes: Yes, they do. However, one concern I have is that, in the event of a fname or lname overload (hell, any overload), the program runs into an issue where it adds things to

1. Does the application recognize the deletion of an entry? (i.e. is the data actually being deleted?)

Notes: Technically, yes, and this was more or less discovered through testing in overloading fname

Advanced Issues – Registration

1. Can I break the database through SQL attacks?

Notes:

1. Is the database encrypted, if at all?

Notes: Yes. Noting the password in the credentials table, it is possible to note that the password I used for test1, 123, is completely encrypted to the point where it is not even discernable. I will run future tests on this, but right now, it appears to be working. Note the screenshot below.Graphical user interface, text

Description automatically generated

Basic Issues – Program Running

1. Does the program run locally?

Notes: Yes. Initially, there was an issue with a connection, but that was just me being unable to note the issues with Hangfire and putting in the correct password there.

1. Does Alpaca interact with the db?

Notes: Yes. Although it was a bit of struggle getting it connect, the db does run with Alpaca and Hangfire. This, therefore, shouldn’t be a problem in terms of a general release.

1. When the program is launched from localhost:5001 on any computer, does the program run?

Notes: Yes. However, I should note that one thing we will need to consider is that sometimes a git clone or npm install may cause problems down the line if it isn’t cloned correctly, especially since on my end there was a significant problem that required reinstalling the entire program. If this shows up when we move to publish, this could be a problem for specific users.