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| Name: | Stock Trading Use Case |
| Summary: | This use case is meant to demonstrate the functions of a Stock trading application which allows the trader or user to interact with their brokerage to trade stocks online and many other supporting functions. |
| Version: | 1.0 |
| Preconditions: | 1: User must be registered with the brokerage  2: User must be logged into the system  3: User must have sufficient funds to make a trade  4: User must not be a day trader |
| Triggers: | When the user searches a stock and opens up more information or the user loads up a saved ticker from their main menu. From this page the user can select to either buy or sell their trade depending on their current holdings |
| Main Success Scenarios: | A sell will succeed if the ask price for the equity is lower than the bid price of the equity and the customer has stocks to sell. A display showing the result of the trade pops up on the users screen. |
| Alternative Success Scenarios: | A buy will succeed if the bid price is higher that the ask price for the equity as well as having sufficient funds for the equity. A display showing the result of the trade pops up on the users screen.  No stocks are traded or sold as the prices have not converged. This leaves the trader waiting for the trade to occur which may take some time depending on the trade. |
| Postconditions: | If the stock is sold. The user’s holdings of the stock are decreased, and their holding of cash is increased. A history is written as well and suggestions are made to the customer as to other stocks they might consider.  If the stock is bought. The user’s holdings of the stock increase and cash is decreased. A transaction history is recorded and well of other trades they may wish to take. |
| Business Rules: | Account balance must be verified  User identity must be verified  Stock holdings must be verified  Releases must be signed  Trader must be informed as to the trades they are making. |
| Notes: | This will take time to build. |
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| Date: | 6/18/19 |