This is a python trading bot that uses the Martingale gambling strategy and applies it to stock trading.

The basis of how the Martingale strategy works is selling more units as your trading delta (price of stock - your position) increases and buying more units as your trading delta decreases.

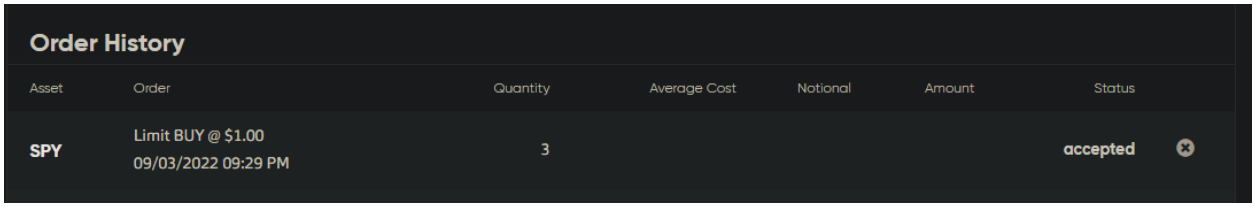
For example:
You buy 100 shares of SPY at $375 and 1 hour later the price drops to $370 and you decide to double down and buy 2 more shares. If the price goes down again to $365, you double down again and buy 4 more shares in the hopes that the price will recover to 375 and the 6 extra shares you bought at a lower price will make you a net profit.

If in the next hour, the share price went from $375 to $380, you decide to sell 2 shares and secure yourself $10 in liquidated profit. If the price goes up again to $385, you sell 4 shares to secure $40 in liquidated profit.

This is obviously a very risky day trading strategy as it originated from gambling, but the Alpaca service allows users to test their bots using Paper Accounts.

The script starts running on the service PythonAnywhere on weekdays at 9:30 AM when the market opens

Example of the bot fulfilling a paper order of SPY for $3




This bot was implemented very recently, but I will post its results after each month that it runs.