**Loot Loader Requirements Document**

**Get the list before trading hours begin**

1. Get symbol, closing price and time for ALL NASDAQ stocks from TDA
2. Get symbol, closing price and time for ALL NYSE stocks from TDA
3. Combine all the symbols into one list.
4. Get ALL symbols that have a close price between 10.00 and 30.00. (symbolsInOurPriceRange)
5. Get the last 200 minutes of historical data for each symbol.
6. Calculate the EMA200 for each symbol.
7. Get ALL the symbols in symbolsInOurPriceRange that have a close price above the EMA200. (symbolsInOurPriceRangeAndAboveEMA200)
8. Sort the list symbolsInOurPriceRangeAndAboveEMA200 by close price, smallest to largest. (symbolsInOurPriceRangeAndAboveEMA200SmallestToLargest)
9. Get the closing prices for symbolsInOurPriceRangeAndAboveEMA200SmallestToLargest. (closingPrices)
10. Get the TDA account balance (accountBalance)
    1. To reduce risk of going over what we have
11. Check to see how many investments we can buy with the current account balance

investmentArray = []

sum = 0

while accountBalance >= sum:

for price in closingPrices:

investment = price\*100 #100 shares

investmentArray.append(investment)

sum = investmentArray.sum()