```
1/*
2
          Author's Name:
                                       Kenneth Larot Yamat
3
4
          Purpose of Program:
                                       To create a program that automatically creates
5
                                       trading tickets for a security, for example, buy
                                       and sell orders for shares of an exchange traded fund.
6
7
8
          Date Due:
                                       11:59 PM on March 4th, 2024
9 */
10
11 Project Proposal:
                           To create a program that automatically creates
12
                           trading tickets for a security, for example, buy
13
                           and sell orders for shares of an exchange traded fund.
14
15
                           A user would only manually enter the first order, either to
                           buy or sell a security, the program would populate and submit
16
                           a new ticket based on the fulfillment of the previous ticket,
17
                           the chain of tickets would continue until the user decided to
18
19
                           cancel the chain.
20
21 A) Background and the needs:
23
                           This program is needed because there are many securities
24
                           that are difficult to trade because they are illiquid as
25
                           a result of large bid and ask spreads, or because they lack
26
                           volume.
27
28
                           The goal is to reduce spreads while increasing volume.
29
30
                           Another need is due to the fact that manually performing this task
31
                           is laborious and prone to error.
32
33
34 B) Function list:
36
                           getSecurityPrice
37
                           setSecurityPrice
38
39
                           setPurchasePrice
40
                           getPurchasePrice
41
42
                           setLiquidationPrice
                           getLiquidationPrice
43
44
45
                           setAvarageTrueRange
46
                           getAverageTrueRange
47
48
                           setBollingerBandWidth
49
                           getBollingerBandWidth
50
51
                           setAverageDirectionalIndex
52
                           getAverageDirectionalIndex
53
54C) User interface (UI) design:
55
56
                  Step 1
57
```

Monday, March 4, 2024, 8:25 PM

TheProposal.txt