1/*					
2	Author's Name:		Kenneth Larot Yamat		
3	Addition 3 Name:				
4	Purpose of Program:		To create a program that automatically creates		
5			trading tickets for a security, for example, buy		
6			and sell orders for shares of an exchange traded fund.		
7					
8	Date Due:		11:59 PM on March 4th, 2024		
9 */					
10					
_	Proposal:		program that automatically creates		
12			kets for a security, for example, buy		
13		and sell or	ders for shares of an exchange traded fund.		
14		A	d only manually outon the finet andon sither to		
15 16			d only manually enter the first order, either to		
17			a security, the program would populate and submit based on the fulfillment of the previous ticket,		
18			f tickets would continue until the user decided to		
19		chain.			
20		cancer ene			
-	ground and the r	eeds:			
22	<b>6</b>				
23		This progra	m 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			d is due to the fact that manually performing this task		
31		is laboriou	s and prone to error.		
32 33					
34 B) Func	tion list:				
35	C1011 115C.				
36		getSecurity	Price		
37		setSecurity			
38		•			
39		setPurchase	Price		
40		getPurchase	Price		
41					
42		setLiquidat	ionPrice		

[Override and Submit]

[Start Over]

[Accept and Submit]

User Input Element

84

ThePro	posalAndTheS	Solution.txt			Monday, Mar	rch 4, 2024, 8:56 PM
85 86 87	Step 3					
87 88 89		[Ticker Symbol]	[Buy/Sell]	[Order Quantity]	[Limit Price]	[Ticket Status]
90 ]		[ HFH.P	Buy	1	86.86	Open
91 92 93	Step 4	[Ticker Symbol]	[Buy/Sell]	[Order Quantity]	[Limit Price]	[Ticket Status]
94 95		[ HFH.P	Buy	1	86.86	Filled
96 97	Step 5					
98 99 100		[Ticker Symbol]	[Buy/Sell]	[Order Quantity]	[Limit Price]	[Ticket Status]
101 ]		[ HFH.P	Sell	1	86.89	0pen
102 103 104	Step 6					
105 106		[Ticker Symbol]	[Buy/Sell]	[Order Quantity]	[Limit Price]	[Ticket Status]
107 ]		[ HFH.P	Sell	1	86.89	Filled
108 109 110	Step 7					
111 112		[Ticker Symbol]	[Buy/Sell]	[Order Quantity]	[Limit Price]	[Ticket Status]
113		[ HFH.P	Buy	1	86.87	0pen
114 115 116	Step 8					
117 118		[Ticker Symbol]	[Buy/Sell]	[Order Quantity]	[Limit Price]	[Ticket Status]
119 ] 120		[ HFH.P	Buy	1	86.87	Filled

```
121
       Notes:
                   this sequence is based on + 00.03 to Sell orders and - 00.02 to Buy orders for first issue preferred shares for
   the security HFH
122
123 D) Class diagram
124
125
126
127 E) File and database design:
128
129 F) Expectations of project fulfillment:
130
131
       a. [Ticket]
                                   instantiates based on user input.
132
133
           [AutoTicket]
                                   instantiates based on fulfillment of previous ticket.
134
135
       b.
136
137
       С.
138
       d. [Arraylist]
139
                                   Arraylist will be used to log the sequence of trades
140
       e. [Exception handling]
                                   a user may enter alphabetical values in a field that requires an int or
141
                                   double, and vice versa, an invalid data message will prompt the user.
142
143
144
       f. [Database]
145
146
       g.
           [Documentation]
                                   very detailed and elaborate notes will be included in every program,
147
148
                                   class, method, and attribute regarding the purpose, design, development,
                                   and miscellaneous other notes as well.
149
150
151
```