

Criterion E: Evaluation

1. Evaluation of Product: Referring to Success Criterias

Criteria	V / X	Notes
Functions		
Add user	V	
- Password protected with username and password	V	
Add transactions	V	
Calculate: - Current net profit/loss of any stock	V	
- Total money invested in stock	V	
- Current average price per share	V	
- Projected Profit/Loss before selling shares	V	
- Dividend returns in percentage of stock price	X	Client wanted to focus on average price and transaction profit instead of dividends.
- Net total dividend returns to date	X	Requires the use of date class. TimeStamp was used instead of date class. Ran out of time and is more complicated to code that anticipated. because date class was not used to sort date, but rather timeStamp. Difficult to refer back to timestamp of specific date.
- Net profit/loss and transaction order in user selected time period	X	
Store (and display upon user use): - Calculated values in a table for each stock (E)	V	
- All transactions of the stock all time, or within selected time frame	V/X	All transactions and their assigned attributes were successfully saved through the save button, but the time frame feature was not added, as implementation of date class is needed and was not used in program.
Display		
- All transactions sorted by - Date	V	

- Price	V	
- Number of shares in transaction	V	
- Profit made in transaction	V	
Usability Features - Existing stock combo box updates as transactions of new stocks are entered.	V	
- All text fields for input are labeled appropriately and clearly.	V	
Error/Exception Handling Issues		
- When transactions are incorrectly entered, there will be instructions to correct input in the error textfield.	V	
- When transaction is successfully entered, error textfield will inform user that transaction has been successfully inputted.	V	
- When user inputs a sale where amount of shares to be sold is greater than shares owned, transaction is invalid and error textfield informs user that sale is not impossible.	V	
- When user enters any data before login, Error message: Login Required	V	
- When user tries to create account with taken username. Error message: Invalid username, username already exists	V	
- When user enters different strings to confirm password different to new password textfields when making new user. Error message:	V	

New Password and Confirm Password does not match		
- When user tries to create account without username. Error message: Please enter account username.	V	
- When user enters wrong username. Error message: Invalid Username, username does not exist.	V	
- When user enters wrong password. Error Message: Incorrect password, please try again.	V	

Word Count: 93 (Success Criteria not included in word count [Table/Bulleted list])

2. Recommendations from client

Recommendation	Benefit(s)	Why/How realistic
Add net profit column to transaction table which shows the (profit to date - total money invested to date)	User will be able to keep track of their total net profit to date that they have made in cash. Because the value of the invested money may change.	My client said she wants to know the total amount of cash or money she has earned with each transaction, and it can be reflected using a statistic called 'net profit to date'. It can pretty easily be implemented into code under the display transaction table method.
Add the time frame feature to calculate statistic of specific stocks from a specified time frame.	User will be able to keep track of variable values of a specified time frame for certain stocks such as total money invested in this stock over the past 3 months, or profit made over the past 5 transactions.	My client said it would be beneficial as she can more easily think about how many shares to keep long term and how much to keep short term, etc. It will require the implementation of the date class, which will require some slightly greater than minor reworking, but steps to achieve this goal is not complicated.
Make the transactions table printable		My client said she may want to print her transactions for specific stocks as sometimes she prefers to read on paper. Can easily be done using print actions on NetBeans.

Word Count: 205

3. Extensibilities List (From Criterion D)

- Add net profit to date attribute to Transaction class and column to display it on transactions table
- Make transaction table printable
- Add dividends functions in success criterias that were not done.
- Implement date class in order to allow for functions involving date (timestamp only allows sorting).
- Make it into a smartphone app so user can conveniently log in and add transactions on the go.
- Make application online so users will be able to access from any device as long as the user has access to internet.

Word Count: 86

Document Word Count: 387

Total Word Count (A+B+C+E): 1983