README

CIS 427 PA 2

Introduction:

Our group created online stock trading applications that allows multiple clients to connect to the server simultaneously without any issue of crashing the network. In addition, we also created a database system that stores multiple user information, usernames, passwords, account balance, the amount and type of stocks clients have as well as the status if they are online or offline. They file type we used for the data base is an xml. The program language that was used for the server and client file is python. The system that the test was ran on Linux based system.

Instructions:

1. Set up the two client and the server terminals.
2. Login with two of the users to test the server if it can work with more than one user.
   1. Command Format: login Username Password
3. Use the command balance to see what the user balance is.
   1. Command format: balance
4. Use the command list to see the stocks that are available.
   1. Command format: list
5. Use the command buy to buy a stock.
   1. Command format:
   2. Use the command balance to see if the users balance changed.
6. Use the command sell to sell a stock.
   1. Command format:
   2. Use the command balance to see if the users balance changed.
7. Use the command LookUp to see the took record of the user.
   1. Type in the command Balance to see what the users balance is.
8. Test out the command Deposit with any of the users.
   1. Input the amount of money the user is depositing to their account.
9. Use the command logout on one of the users to log them out of the server.
10. Use the command quit to disconnect the terminal that the user is using from the server.
11. Login with root user
12. Use the command who with root user to see which users are active on the server.
13. Use the command shutdown with root user to kick off all the users on the server.

Roles:

William Gilmour: Filled out the report, helped with the coding, and helped with the testing phase of the project.

Nasim Ahmed: Typed the outline of the report, created the code that was being used for the project, and ran some of the tests.

Nick Azzouz: Ran the test for the project, help edit some of the code for the project, and made some edits on the report as well.

Bugs:

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| --- | --- | --- | --- | --- | --- |
| **Test #** | **Description of test** | **Input Value** | **Expected Output** | **Actual Output** | **Pass/Fail** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |