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| Use Case Name: | Buy Stock (User Side) |
| Participating Actors: | User, Broker |
| Flow of Events: | 1. User chooses to buy stock 2. User passes choice to Broker |
| Alternative Flows: | User can choose to sell stock |
| Entry Conditions: | Must be a verified user |
| Exit Conditions: | Must have a broker |

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| Use Case Name: | Sell Stock (User Side) |
| Participating Actors: | User, Broker |
| Flow of Events: | 1. User chooses to sell stock 2. User passes choice to Broker |
| Alternative Flows: | User can choose to buy stock |
| Entry Conditions: | Must be a verified user |
| Exit Conditions: | Must have a broker |

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| Use Case Name: | Buy Stock (Broker Side) |
| Participating Actors: | Broker, User Account |
| Flow of Events: | 1. Broker informs User 2. User makes decision 3. Broker deposits to account |
| Alternative Flows: | Broker can sell stock |
| Entry Conditions: | Must have account access |
| Exit Conditions: | Account must exist |

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| Use Case Name: | Sell Stock (Broker Side) |
| Participating Actors: | Broker, User Account |
| Flow of Events: | 1. Broker Informs User 2. User makes decision 3. Broker withdraws from account |
| Alternative Flows: | Broker can buy stock |
| Entry Conditions: | Must have account access |
| Exit Conditions: | Account must exist |

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| Use Case Name: | Withdraw with Interest |
| Participating Actors: | User Account, User |
| Flow of Events: | 1. Acount fluctuates with market 2. User requests to withdraw 3. Account transfers funds to user |
| Alternative Flows: | None |
| Entry Conditions: | User account must be positive |
| Exit Conditions: | User must receive funds |

System Summary:

This system is a simplified model for the workings of how investments are traded between a User, a Broker, and the User’s Account. The information models start at the user and from there the user has two options. The user can buy or sell a stock The user is provided information from the stockbroker who has more information about how the market works, so they can provide professional assistance. The user also has the advantage of being able to withdraw funds from his account after they have made interest.

The stockbroker provides information to the User and typically has more than one user. They take information from the user regarding their stocks and then the stockbroker then acts out the actions of the user, typically brokers provide advice if the action seems like it could reduce the value of the account.

The User Account is the money that is affected by the stock price changes. When it comes to what the account receives or loses, it is ultimately affected by the stock price changes for the stock that it is invested in. The user account has the option to send money out to the user directly