CSC4350/6350

Spring 2017

A stock trading software. The price is real-time and the exchange is virtual.

Virtual Stock

BATMAN

2/6/2017

Mengyuan Zhu, Sungjae Kim, Sharon Kim, Jakub Pietrasik, Hyeun Kang

**Problem Statements**

**Virtual Stock-1.0 Introduction**

Batman shall develop a stock trading software with a user-friendly GUI. The software is PC based. The price is real-time from the Internet while the exchange is virtual. It shall be designed for beginners who want to learn stock trading.

**Virtual Stock-2.0 User Registration**

The system shall provide a window for user to register an account in Batman. Each user shall have his/her own account after registration. Users shall provide the following information: First Name, Last name, Address, Birthday, SSN, Bank account routing number and account number, Email address, Nationality and Agreement Form.

**Virtual Stock-2.1**

If a same account has been built up, the system shall let user know and ask the user to refill the form for registration

**Virtual Stock-3.0 User Log In**

The system shall have a window for user to log in. The window shall provide a user name input, a password input, a forget password button, a sign-in button and a sign-up button. The system shall let user into the “Portfolio” interface if the user type the right user name and password.

**Virtual Stock-3.1**

If the user failed to log in to the system, the system shall ask the user to refill the password.

**Virtual Stock-4.0 Portfolio**

The system shall have a portfolio interface. In this interface, the system shall show a chart of user’s balance chart of today, a total balance value, a breaking news of today, stocks that a user keeps and his/her Shares, and a Watch list. A search button shall also be shown in the corner for user to search a specific stock.

**Virtual Stock-4.1**

The color of the GUI shall be green if the user’s balance goes up and be red if the user’s balance goes down.

**Work Structure Document**

Group name: Batman

|  |  |
| --- | --- |
| Name | Tasks |
| Mengyuan Zhu | Team Coordinator  Documents handler  Java coder |
| Sungjae Kim | Finalize code documentation  Java coder |
| Sharon Kim | User Guide  Program tester |
| Jakub Pietrasik | GUI development  Program tester |
| Hyeun Kang | GUI development  GUI tester |