**Functional requirements- Huang Zhuo jun**

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| **level** | | | | **Description** | **Priority** |
| 1. Log in system | 1.1 Log in screen |  |  | Provide place to input username, password, and buttons for submit , register and exit. | Must | |
|  | 1.2 Success and enter |  |  | Compared the username and password between user input and database, and enter main screen if successful. | Must | |
|  | 1.3 Prompt error |  |  | Compared the username and password between user input and database, and prompt error if unsuccessful. | Must | |
| 2. Member system | 2.1 Member information | 2.1.1 Add |  | Add new member information | Must | |
|  |  | 2.1.2 Delete |  | Delete member information | Must | |
|  |  | 2.1.3 Update |  | Update member information | Must | |
|  | 2.2 Personal stock information | 2.2.1 Holding stock | 2.2.1.1 Details | Details of holding stock | Must | |
|  |  |  | 2.2.1.2Number | Number of holding stock | Must | |
|  |  | 2.2.2 Profit | 2.2.2.1 Total profit | Total profit of all the holding stock | Must | |
|  |  |  | 2.2.2.2 Single profit | Single profit of each holding stock (all systems start with £10,000) | Must | |
|  |  | 2.2.3Transaction Record | 2.2.3.1 Detail | Detail of each transaction | Must | |
|  |  |  | 2.2.3.1 Select | User can search transaction record by different condition | Must | |
| 3. Stock system | 3.1 Stock display | 3.1.1 Detail | 3.1.1.1 New and old order | Shows all the information of each stock by New and old order order. | Must | |
|  |  |  | 3.1.1.1 Price order | Shows all the information of each stock by price order. | May | |
|  |  | 3.1.2 Select |  | User can search stocks by different condition | Must | |
|  |  | 3.1.3 Real-time update |  | List of stock market shares will be updated in real time | Must | |
|  | 3.2 Buy and sell | 3.2.1 Detail |  | User can choose the name, number of stock to buy or sell | Must | |
|  |  | 3.2.2 Prompt |  | System will prompt user can not buy or sell if the stock are daily limit or limit down. | Must | |
|  |  | 3.2.3 Transaction Record |  | Record each transaction user made | Must | |
| 4.User interface |  |  |  | A beautiful, user friendly interface | Must | |