Scenario

Our Stock Buddy aims at enabling user to buy or sell stocks online, keeping a track of their gain or loss over a period of time. It also provides the plausible options of stock that the user can buy or sell given his/her budget at any point of time.

When the user launches Stock Buddy, he/she is directed to a login page where he/she can either log in or sign up. While signing up, the user chooses the initial balance he/she wishes to have in his stock buddy account for trading.

Once done, the software displays the user's homepage which contains the investor stock history giving details of the stocks invested in, the loss or gain till date along with the remaining trading balance. The page also contains the current stock exchange rates of various companies. The user has the option to search for the desired stocks and their details from a drop down search box. The user can also choose the time stamp over which he/she wants to compare the stock rates, viz., daily, weekly or monthly.

Next, the user has the option to either sell or buy stocks.

If the user chooses to buy, the software prompts for the users estimated budget, based on which it suggests the optimal stocks the user can invest in. The user can then select stocks of his/her choice and the number of stocks he/she wants. The summary of what he decides (stocks, quantity and the total) is displayed on the next page conforming to which the user can finally place a paper trade.

Else if he/she chooses to sell his/her stocks, he/she can do so as well, wherein one shall be taken to a page which will display the list of the stocks one has already invested in with options of choosing and selling the number of desired stocks, followed by a summary page.

The amount of money traded in the process is recorded and reflected in each user's stock buddy account.

Finally, the user can securely logout once he/she is done or wishes to quit.

Data:

The data about the stocks shall be populated in an excel document which can either be a mock up data for prototyping or data collected from a third party source for real time application.