System and Unit Test Report

Blash (Buy Low and Sell High)

Blash

June 6th, 2016

SPRINT 1:

1. - As a beginning investor, I'd like a Website that is online, so I know where to go for good information on Stocks.
2. - As a beginning investor, I’d like to see what my potential capital gain is given a principal value (how much I make with some amount), in order to conveniently see how much money I could make.
3. - As an investor, I want to have a visual overview of the stock prices over a given timeframe, because I would like to predict future returns with past behaviors.

SPRINT 2:

1. As a beginning investor, I’d like to see improved stock graphs implemented into Blash.
2. As an investor, I'd like to see an implemented portfolio: have basic table and can submit/edit a single line.

SPRINT 3:

1. As a beginning user of the app, I want to learn to use this app and the basics of investing so I can make smart choices when picking stocks.
2. As an on-the-go investor, I want to get quick textual reports about the (stock) market to provide information for my investing decisions.
3. As an investor, I'd like to see an improved implemented portfolio with much better load time because 1 minute load times are too long.

Scenario for Sprint 1:

1. Go to Blash.pythonanywhere.com and view the homescreen.
2. Go to the calculator tab and enter in a principal amount and monthly additions for an amount of years to get a visual representation of the capital gain you can acquire.
   1. Enter a starting Principle: $<10000>
   2. Enter an interest: <.10> (10% per year)
   3. Enter amount added per year: $<12000> (1000 per month)
   4. Enter times compounded per year: <1>
   5. Enter how many years you want to calculate: <30> (years)
   6. This will return a graph (once refreshed), will show the difference between compound interest vs flat savings
3. Click on the Stocks tab, and it will show a default <AAPL> stocks, this will be improved to be show any selected stock

Scenario for Sprint 2:

1. Go to the stocks tab and select a stock. Users should see a list of stocks from the S&P500, and the given stock prices for the past year. By clicking one of these stocks, users can change the graph.
   1. “Ticker Symbol” = <ADBE> (Adobe) or by default <AAPL> (AAPL)
   2. This will change graphs
2. Select the Portfolio tab and enter a stock into either the WatchList or the Stock selection, they will show up in their respective places. Type a stock above the graph to see projections and past trends.
   1. Enter a ticker Symbol: <ADBE> (Adobe)
   2. Enter a Quantity: <30> Shares
   3. Enter the Price when Purchased: $<100>
   4. This will enter a row containing the stock and its capital gain/loss

Scenario for Sprint 3:

1. Go to the Tutorials tab, which contains a list of basic tips for new investors as well as how to use BLASH.
2. Go to the news tab and type in a stock index, this will return news relevant to the stock. These stocks are not customized with an algorithm, rather it’s just pulled from Investopedia.
   1. Enter a Stock Index: <AAPL>
   2. This will pull up relevant articles about that stock
3. Select the Portfolio tab and enter a stock into either the WatchList or the Stock selection, they will show up in their respective places. Type a stock above the graph to see projections and past trends.
   1. Enter a ticker Symbol: <ADBE> (Adobe)
   2. Enter a Quantity: <30> Shares
   3. Enter the Price when Purchased: $<100>
   4. This will enter a row containing the stock and its capital gain/loss
   5. Enter a Stock you are interested into the WatchList: <GOOGL>
   6. This will enter a new row containing the stock and its current Price
   7. Enter a Stock into the “Ticker Symbol”: <ADBE> (Adobe) or by default <AAPL> (AAPL)
   8. This will return a graph of that stock