CSCI 3308

Professor Boese

Project Part 3

Who:

Kevin Flynn

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Title:

StockInsights

Vision:

A service to inform millennials about an investing strategy by interpreting and visualizing market data.

Part 1: Automated Testing

We wrote python scripts to automate the testing for the momentum algorithm we are applying. Here’s the link to the code: <https://github.com/jjh68069/3308_Project/blob/master/momentum_test.py>

Here’s what output running the program gives us:

Part 2: User Acceptance Tests

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Project name: Stock Insights | | | | | | | |
| Test Top Stocks | | | | | | | |
| Test case ID: US-01 | | | | Test designed by: Soham Shah | | | |
| Test priority (low, med, high): Med | | | | Test designed date: 11/11/15 | | | |
| Module name: Access top company stocks | | | | Test executed by: | | | |
| Test title: Stock listings | | | | Test execution date: | | | |
| Preconditions: User can access website and knows top stocks | | | | | | | |
| Dependencies: The website has to be running and connected to the database. | | | | | | | |
|  | | | | | | | |
| Step | Test Steps | Test data | Expected Results | | Actual Results | Status (pass/fail) | Notes |
| 1 | Access website | Webpage displays | User can see the webpage | |  |  |  |
| 2 | Select function tab | Page loads | Webpage redirects to function page | |  |  |  |
| 3 | Type in a stock ticker | Enter “aapl” | Entry field shows user input | |  |  |  |
| 4 | Select go | Click the go button | Server gets user entry | |  |  |  |
| 5 | Look at the data | Apple chart is displayer | Data on stock is displayed | |  |  |  |
| Post Conditions:  Test is validated by visually looking at the data presented and cross-referencing it with the apple csv on another computer to make sure the data is displayed accurately. Also, User evaluates ease of use. | | | | | | | |

VCS:

<https://github.com/jjh68069/3308_Project>