**Testing For StockRight**

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| Test Case 1 – Requesting / Parsing data from APIs(data sources) | | | |
| Pre-Condition – Fetching live data from | | | |
|  | Input | Expected Results | Output |
| 1. | Requesting data from IEX Cloud | JSON Data | JSON Data |
| 2. | Requesting data from Stock News API | JSON Data | JSON Data |
| Validation of Data | | | |
| Post-Condition – Retrieving JSON data | | | |
| Result – Pass | | | |

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| Test Case 2 – Website Search function for live prices, history, charts using a stock symbol. | | | |
| Pre-Condition – Fetching live data from | | | |
|  | Input | Expected Results | Output |
| 1. | Requesting data from IEX Cloud by entering a stock symbol | JSON Data including live price, history, etc. | JSON Data including live price, history, etc. |
| Validation of Data | | | |
| Post-Condition – Retrieving JSON data including live price, news, history, etc. | | | |
| Result – Pass | | | |

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| Test Case 3 – Making sure Sign-up credentials are loaded in the database | | | |
| Pre-Condition – Entering proper details in the Signup/Register Page. | | | |
|  | Input | Expected Results | Output |
| 1. | Filling up and Submitting data in the Sign Up/Register Page | Sign up credentials are supposed to be inserted in the database | Sign up credentials are inserted in the database |
| Validation of Data | | | |
| Post-Condition – Making sure the database stores the details entered by user on Signup/Register page in the Database | | | |
| Result – Pass | | | |

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| Test Case 4 – Login Page works and redirects you to your profile. | | | |
| Pre-Condition – Entering proper details in the Login page | | | |
|  | Input | Expected Results | Output |
| 1. | Filling up and pressing the submit button in the Login Page | Redirecting to the user’s Profile | Redirects to the user’s Profile |
| Validation of Data | | | |
| Post-Condition – Display’s the User’s profile | | | |
| Result – Pass | | | |

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| Test Case 5 – News page retrieves trending news from the API and displays it on the page. | | | |
| Pre-Condition – Requesting news data from API | | | |
|  | Input | Expected Results | Output |
| 1. | JSON data when you request data from API | Would display live trending news on the new.html page | Displays live trending news on news.html page |
| Validation of Data | | | |
| Post-Condition – Display’s trending news on news.html | | | |
| Result – Pass | | | |

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| Test Case 6 – Functional testing of the internal and external links, checking to make sure no broken links exist. | | | | |
| Pre-Condition – Pressing all links on news and quotes app | | | | |
|  | Input | | Expected Results | Output |
| 1. | Pressing all links on news and quotes app  (Attempt 1) | | The links would redirect to the specific page | Some of the links on news app were broken |
| 2. | | Pressing all links on news and quotes app  (Attempt 2) | The links would redirect to the specific page | The links would redirected to the specific page |
| Validation of Links | | | | |
| Post-Condition – Redirected to the specific page | | | | |
| Result – Pass | | | | |

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| Test Case 7 – Website Search function for live prices, history, charts using company name. | | | |
| Pre-Condition – Fetching live data from | | | |
|  | Input | Expected Results | Output |
| 1. | Requesting data from yahoo finance to convert name to ticker symbol and then requesting data from IEX cloud. | JSON Data including live price, history, etc. | JSON Data including live price, history, etc. |
| Validation of Data | | | |
| Post-Condition – Retrieving JSON data including live price, news, history, etc. | | | |
| Result – Pass | | | |

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| Test Case 8 – Sending a welcome email when a new user register’s a account . | | | |
| Pre-Condition – Signup form should be up and running and enter a valid email id. | | | |
|  | Input | Expected Results | Output |
| 1. | Registering the user, so to the sign-in page and create a new account with a real email id. | You should receive a welcome email on the emailed you registered with | Received a welcome email on the email I registered with. |
| Validation of User | | | |
| Post-Condition – You should receive a welcome email. | | | |
| Result – Pass | | | |

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| Test Case 9 – Searching for a Company under Ticker Symbol Search. | | | |
| Pre-Condition – Running homepage. | | | |
|  | Input | Expected Results | Output |
| 1. | Go to the homepage select ticker symbol and type in a company name example “Facebook” | You should receive a pop saying “Invalid ticker, please enter a valid ticker” | Received a pop up saying “Invalid ticker, please enter a valid ticker” |
| Validation of Search | | | |
| Post-Condition – You should pop-up saying invalid ticker. | | | |
| Result – Pass | | | |

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| Test Case 10 – Searching for a Ticker under Company Search. | | | |
| Pre-Condition – Running homepage. | | | |
|  | Input | Expected Results | Output |
| 1. | Go to the homepage select company search and type in a ticker symbol example “aapl” which means apple | You should receive a pop saying “Invalid company name, please enter a valid company name” | Received a pop up saying “Invalid company name, please enter a valid company name” |
| Validation of Search | | | |
| Post-Condition – You should pop-up saying invalid company name. | | | |
| Result – Pass | | | |