Automation ReadMe

This project for test automation covers the tasks mentioned in the Assignment. The UI Test scenarios - Test A, Test B and Test C that were mentioned in the problem document has been implemented.

This project has been done using Cucumber Automation framework (Maven Project), and uses Page Object Model with Page factory Design pattern to implement the tests.
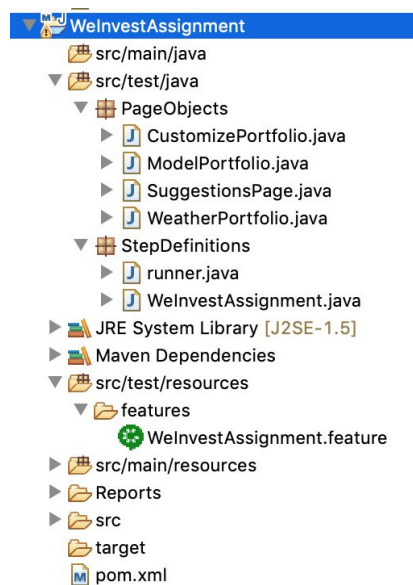
Requirements
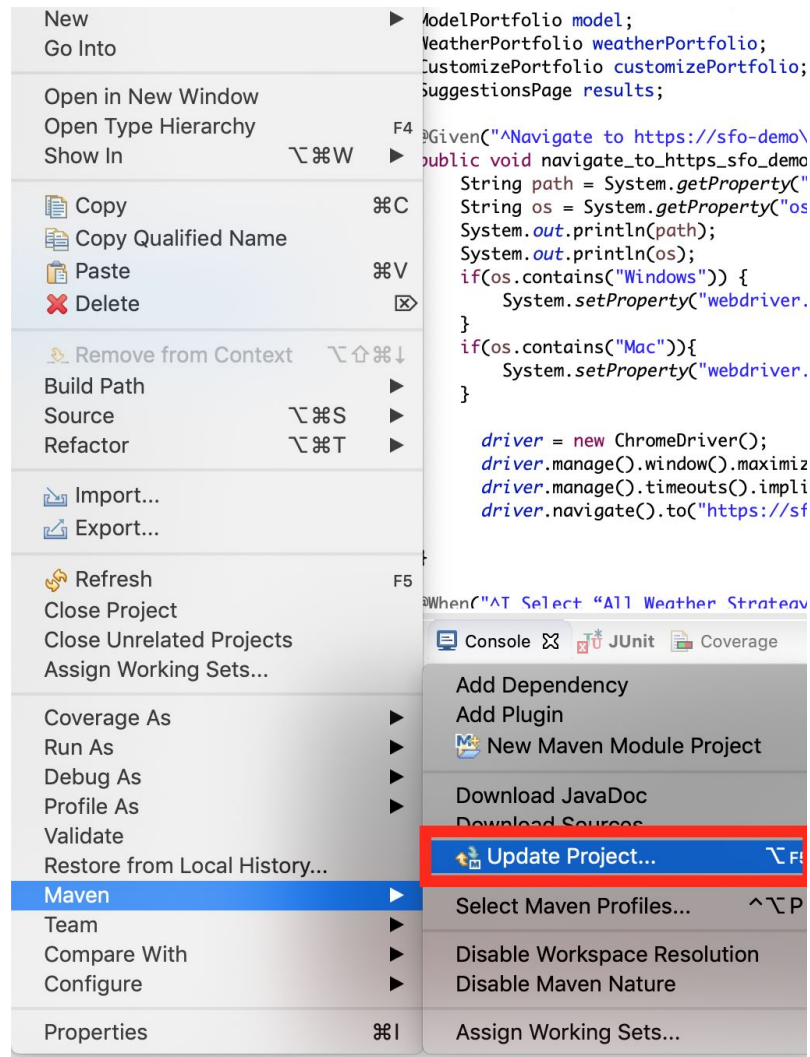
OS: Mac OS X
Maven 4
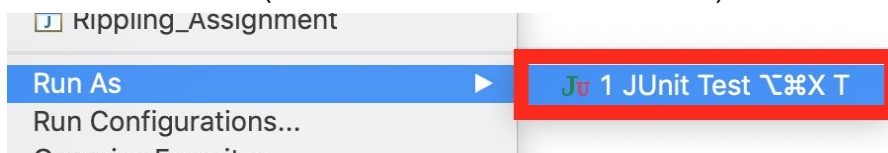Java 1.8
Eclipse IDE

Project Folder Structure

1. All the features are written in the WeInvestAssignment.feature file (Location: src/test/resources)
2. The StepDefinition file (WeInvestAssignment.java) and the runner.java files are under the folder "StepDefinitions" (Location: src/test/java). The step definition file contains the code that's glued to the features in the feature file. And the runner contains the properties to run the automation. It is run as a JUnit test
3. The Page objects are located under the folder PageObjects
    (Location: **src/test/java**)
4. The Maven Dependencies are in the pom.xml file.
5. The reports are saved under the "Reports" folder
    (**Reports/cucumber-reports/index.html**)
6. The driver executables are provided in the Drivers folder
    (Location: **src/main/resources**)

Running the Automation Project.

1. Import the project files to Eclipse IDE. (If required, update the maven project- Right click on project> Maven> update Project...)

2. Open the "runner.java" file (Location: src/test/java/StepDefinitions)
3. Run As a JUnit test (As shown in the screenshot below)

Reporting

1. The tests Test A, Test B and Test C will run one after the other, and the report will be published after the successful run.Location: "**Reports/cucumber-reports/index.html**"
2. In case of any failure, the screenshot will be embedded in the report. (As seen in the screenshot below.) - we can see there is a failure in the Test A of the Assignment. *SPDR S&P 500 ETF TRUST SPY US EQUITY was not changed to 50% which is the expected result*

▼

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##

@AutomationAssignment Feature: WeInvest tests- Test A tests the changes made to the percentage of investments in the current portfolio
Test B, tests the addition of a stock to the portfolio & Test C tests the responsiveness of the webelements when the window is resized.

▼ **@TestA Scenario**: Test A: The changes made to the percentage of investments in the current portfolio
Given Navigate to https://sfo-demo.herokuapp.com/model-portfolio
When I Select "All Weather Strategy" by clicking on "Explore Investment Ideas"
And In next screen click on button "Customize Portfolio" to make changes to portfolio
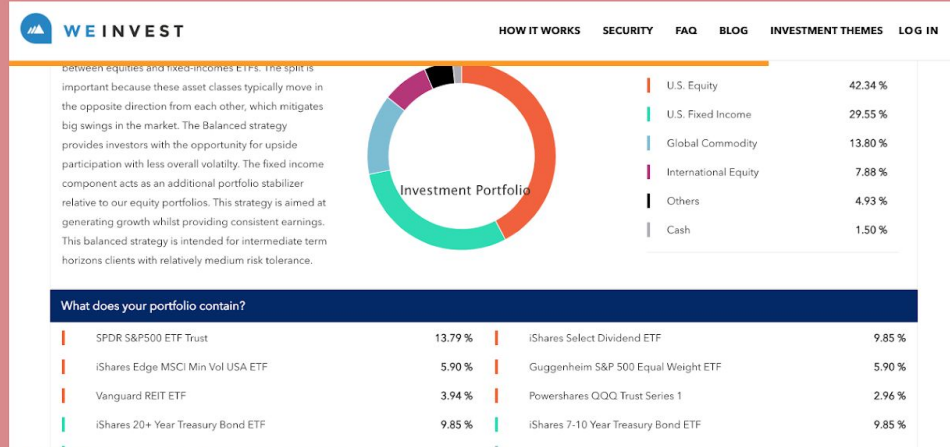**And** Click on "Customize" button to enable edit controls
And Change slider of " SPDR S&P 500 ETF TRUST SPY US EQUITY " to 50%
And Click on "Rebalance" button
And Click on "Invest" button
Then On next page" verify that "SPDR..." under "What does your portfolio contain ?" to be 50%

```
java.lang.AssertionError: expected:<50.0> but was:<13.79>
        at org.junit.Assert.fail(Assert.java:88)
        at org.junit.Assert.failNotEquals(Assert.java:834)
        at org.junit.Assert.assertEquals(Assert.java:553)
        at org.junit.Assert.assertEquals(Assert.java:683)
        at StepDefinitions.WeInvestAssignment.on_next_page_verify_that_SPDR_under_What_does_your_portfolio_contain_to_be(WeInvestAssignment.java:160)
        at *.Then On next page" verify that "SPDR..." under "What does your portfolio contain ?" to be 50%(WeInvestAssignment.feature:20)
```


▼ **@TestB Scenario**: Test B: The addition of a stock to the portfolio
Given Navigate to https://sfo-demo.herokuapp.com/model-portfolio
When I Select "All Weather Strategy" by clicking on "Explore Investment Ideas"
And In next screen click on button "Customize Portfolio" to make changes to portfolio
And Click on "Customize" button to enable edit controls
Then Click on "Customise" button and ensure the text change to "Reset"
And Click on "+Add Stock"
And Click "Add Stock" in "BT Group plc" row.
And Click on "Done"
Then I Check whether "BT Group plc" is added to the portfolio