**Acceptance Test for “Price Fall” user Story**

Description: The “Price Fall” user story acceptance test aims to confirm the functionality for calculating the price difference in the values for the Stocks Open price and the Current price and if the difference is -20% or more, this will be displayed on the screen with a message displaying the plummet. It tests the application by gathering the stocks open price and the current price and then calculating the percentage difference of these two values.

Resources Required  
1. Application for calculating the percentage differences between the current and open values and displaying if there is a price fall that’s above 20%. During the demonstration process, we will also have a version of this application which uses dummy data to prove our produced code works in these conditions.  
2. Access to the internet to get the stocks open and current price information.  
3. A mobile phone running a version of the Android Operating System (if this is unavailable, we will use a virtual version of this running on a computer).

**Test Procedure**

Pre-Conditions  
The application will make use of an active internet connection to get the current market prices and market open prices of the shares of BP Amoco, HSBC, Experian, Marks and Spencer’s, Smith and Nephew and Bowleven from the London Stock Market. These values will then be passed into application.

Test Sequence  
The user of the application shall navigate to this screen of the application, which will be labelled as Status. The screen will take and compare the current value and open value, multiply it by 100 and store the result. If this result is greater than or equal to 20%, this will be displayed on the screen to the user in red text.

Post Conditions  
Information will only be displayed on the screen if the result of the comparison is 20% or more.  
  
To assist in the testing process, we will have a website which will display the current and open share prices and also have a calculator on hand to provide proof for the calculations.

Passed/Failed Criteria  
All tests must be passed for the software to be considered acceptable.

Continuation Criteria  
The acceptance testing should continue provided that no more than two faults have been detected.