I use “user scenario” test method to design the test cases.

Firstly we create simple state transition diagram or flow chart of the website based on my observation. This is not a comprehensive diagram that can represent all the website detail.

Select

Category

Because of time limitation I choose 3 most common and important user scenario to test here. To run the following test case we need to set initial state to be signed-in state. Chrome browser is used here.

1. homepage>click sale banner>promotion page
2. homepage>search>item description page>add to wishlist
3. homepage>category>add to cart>payment

Example of other possible user scenario test case:

1. homepage>sign up>homepage
2. homepage>sign in>homepage
3. homepage>category>add compare>compare
4. homepage>contact us>send email

For more comprehensive test, in each state/page we need to verify that all components or functions work as expected.

Detail requirement document of the website is not provided so I refer to my own observation and common sense as test basis.

To automate the 3 test cases I created python script “test\_main.py”. We need to install python 2.7, selenium webdriver, and chrome driver/server. Test log is printed in the console window.

Anomaly found is recorded in another document: anomaly.docx. Anomaly 1 can be reproduced by script tc001. Anomaly 2 can be reproduced by script tc003.