Changes

Received feedback

In the last submission, the feedback shows that there are lots of parts I did not complete. The details are in the following.

- Is XML parsing implemented?   ->   Almost
- Is restore on failure implemented?   ->   No
- Is testing present?   ->   No
- Is testing comprehensive?   ->   No
- Does the code follow the code checklist?   ->   Almost

Discussion and changes

In this project, I create an Object MyFile as the transmission format between server and client with Socket. It can store not only every item in input text but also the information of server or client. This object would be very easy implement and helpful to achieve the entire feed transmission in Socket stream without losing.

After receiving feedback, I start working on failure restoration and testing comprehensive.

The first part is I try to figure out the reason why the failure would be course and the process of what the programming would continue after exceptions occur. Hence, I made a lot of human error operations when the program was running, such as terminating the running aggregation or content server to catch the exception and do some changes like after the server is killed, it will try to restart or print a sentence to let the user know what should the user input or change.

The second part is testing, I write many .sh to test different situations including the multiple context server, multiple clients, aggregation server or context server would be broken when they were running.

These changes occur because I am willing to make my work can achieve every demand by implementing in an easier and effective method.