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Test Input and Output Organization

The way our test input and output files are organized can be illustrated in the file structure shown at the end of this document. There will be a “Test_Files” folder containing every input file with the corresponding output files. These will all be categorized into folders each of the following transaction commands: login, logout, create, delete, advertise, bid, refund, addCredit. In each of these folders there will be a series of input files for the test cases relevant to each transaction. It will also contain a results folder where all the output files will be generated once the input files are tested via a batch script. The “Test_Files” folder also contains a current user accounts file named “currentUserAccounts.uaf”, the list of available items in a file named “availableItemsFile.ai” and the daily transaction file named “dailyTransactionFile.tra”.

Test Plan:

_____ All of our test cases will be automated using batch scripts. For each transaction category there will be a batch script which runs the program using all the input files in order. The output files will be generated inside of a “results” folder consisting of the test results. There will also be a “transaction” folder where a subset of the daily transactions file will be generated to provide more modularity and quick access. This way we don’t need to scroll through the entire “dailyTransactionFile.tra” everytime we run some tests to find the information. It will also provide us more segmented pieces of evidence if we were being audited for compliance against certain software standards. We would then only provide the relevant transaction data.

Example: runLogoutTest.bat will test the inputs logout1.in, logout2.in, logout3.in, logout4.in and generate the results in a folder (with logout1.txt, etc.) along with a transaction file logout.tra

Naming Conventions:

	Name	Extension	Example(s)
Input files:	commandCategory#	.in	login.in bid.in
Output files:	commandCategory#	.txt	login.txt bid.txt
Transaction files:	commandCategory	.tra	addCredit.tra dailyTransactionFile.tra
Account files:	fileName	.uaf	currentUserAccounts.uaf
Available item files:	fileName	.ai	availableItemsFile.ai

Batch scripts:	runCommandCategoryTest	.bat	runCreateTest.bat
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Assumptions and Other Requirement Problems

- After a daily transaction has been recorded and saved. Is the program supposed to terminate or return to the original login page?
 - After speaking to the product owner, the assumption made at this point is that the program should be terminated until further notice. We will need to take this into consideration when constructing batch scripts for the automation of tests.
- Usernames have to be case sensitive however all other inputs are not case sensitive until further notified
- All monetary formats should be accepted without breaking until notified further

File Structure

```
-- Test_Files\
  -- dailyTransactionFile.tra
  -- availableItemsFile.ai
  -- currentUserAccounts.uaf
  -- Test_Cases\
    |-- login\
      |-- runLoginTest.bat
      |-- login1.in
      |-- login2.in
      ...
      |-- results\
        |-- login1.txt
        |-- login2.txt
        ...
      |-- transactions\
        |-- login.tra
    |-- logout
      |-- runLogoutTest.bat
      |-- logout1.in
      |-- logout2.in
      ...
      |-- results\
        |-- logout1.txt
        |-- logout2.txt
        ...
      |-- transactions\
        |-- logout.tra
    |-- create
```

```
|-- runCreateTest.bat
|-- create1.txt
|-- create2.txt
...
|-- results\
    |-- create1.txt
    |-- create2.txt
    ...
|-- transactions\
    |-- create.tra
|-- delete
    |-- runDeleteTest.bat
    |-- del1.in
    |-- del2.in
    ...
    |-- results\
        |-- del1..txt
        |-- del2.txt
        ...
    |-- transactions\
        |-- del.tra
|-- advertise
    |-- runAdvertiseTest.bat
    |-- adv1.in
    |-- adv2.in
    ...
    |-- results\
        |-- adv1.txt
        |-- adv2.txt
        ...
    |-- transactions\
        |-- adv.tra
|-- bid
    |-- runBidTest.bat
    |-- bid1.in
    |-- bid2.in
    ...
    |-- results\
        |-- bid1.txt
        |-- bid2.txt
        ....
    |-- transactions\
        |-- bid.tra
|-- refund
```

```
|-- runRefundTest.bat
|-- refund1.in
|-- refund2.in
...
|-- results\
    |-- refund1.txt
    |-- refund2.txt
    ...
|-- transactions\
    |-- refund.tra
|-- addCredit
    |-- runAddCreditTest.bat
    |-- addCredit1.in
    |-- addCredit2.in
    ...
    |-- result\
        |--addCredit.txt
        |--addCredit.txt
    |-- transactions\
        |-- addCredit.tra
```