

Part 3 - Plan Document

Organization And Storage:

- Tests will be stored within a file directory system, such as:
 - **Tests Folder > Transaction Folder -> Test Case Folder -> Input Files & Expected Output Files & Output Folders By Date**
 - Ideally, sorting test outputs by run date will help with comparing against later runs.
- Input files will be labeled such as:
 - **Input_Stream.txt**
 - **Current_User_Accounts.txt**
 - **Available_Items.txt**
- Expected output files will follow:
 - **Expected_Daily_Transaction_File.txt**
 - **Expected_Terminal_Output.txt**
- Actual output files will follow:
 - **Output_<YYYY_MM_DD>/**
 - **Test_Case_Result.txt**
 - **Daily_Transaction_File.txt**
 - **Terminal_Output.txt**

Setup And Run Plan:

- A starter template of the required input/expected output files is supplied in the **Test Template Files/** folder.
- Tests will assume there already exists at least 4 Test Users within the **Current_User_Accounts** file:
 - An Admin User with Admin privilege
 - A Seller User with Seller Standard privilege
 - A Buyer User with Buyer Standard privilege
 - A Full User with Full Standard privilege
- Tests will assume there already exists at least 3 Test Items of variable lengths and bids
- Test cases will be run using whichever test user is required.
- Each test case will be a complete test Front End session from start (login) to end (logout).
- Each test case will be run via a **.sh** shell script stored within each test case folder.
 - The **.sh** script will read in the **Input_Stream.txt** for its test case and output the results from said test case as specified under the **Organization And Storage** header.

- After the output results are obtained, the script will compare and assert the most recent output results against the expected outputs and report any assertion errors/differences between the files in the **Test_Case_Result.txt** file.

Example File Directory System:

- **Tests/**
 - **Login/**
 - **01_PreLogin_NonLogin_Transaction_Is_Invalid/**
 - 01_PreLogin_NonLogin_Transaction_Is_Invalid.sh
 - Input_Stream.txt
 - Current_User_Accounts.txt
 - Available_Items.txt
 - Expected_Daily_Transaction_File.txt
 - Expected_Terminal_Output.txt
 - **Output_2023-01-25/**
 - Test_Case_Result.txt
 - Daily_Transaction_File.txt
 - Terminal_Output.txt
 - **Output_2023-01-24/**
 - Test_Case_Result.txt
 - Daily_Transaction_File.txt
 - Terminal_Output.txt
 - **Logout/**
 - **01_PreLogin_Logout_Transaction_Is_Invalid/**
 - 01_PreLogin_NonLogin_Transaction_Is_Invalid.sh
 - Input_Stream.txt
 - Current_User_Accounts.txt
 - Available_Items.txt
 - Expected_Daily_Transaction_File.txt
 - Expected_Terminal_Output.txt
 - **Output_2023-01-25/**
 - Test_Case_Result.txt
 - Daily_Transaction_File.txt
 - Terminal_Output.txt
 - **Output_2023-01-24/**
 - Test_Case_Result.txt
 - Daily_Transaction_File.txt
 - Terminal_Output.txt