**MostValuableCustomerManager:**

**Black Box Test Plan**

Test Preparation:

    Make sure you have the following files in an easily accessible file path:

    customers\_bbtp.csv:

           FIRST\_NAME,LAST\_NAME,CUSTOMER\_ID,PRIVACY  
        Jimmy,Guzman,4,false  
        Anne,Schulze,1,true  
        Maryetta,Huston,3,false  
        Shirley,Pogue,2,false

transactions\_bbtp.csv:

TRANSACTION\_ID,CUSTOMER\_ID  
    2,2  
    4,1  
    3,3  
    1,2

purchases\_bbtp.csv:

    PURCHASE\_ID,TRANSACTION\_ID,PRODUCT\_ID,QUANTITY  
    4,2,2,7  
    3,1,1,4  
    1,3,4,8  
    2,2,2,4

products\_bbtp.csv:

    PRODUCT\_CODE,DESCRIPTION,PRICE  
    4,King's instant mashed red potatoes,4.79  
    1,Leader of the Pack mozzerella cheese,1.0  
    2,Pack Pup low cholesterol white chocolate pudding,12.28  
    3,Wolves Den vodka sauce,4.69

fake.txt:

    non-existent file

As long as these files are created properly, the Tests should run properly.

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| --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| **T1:**  **testLoadFakeFile**  **(DT)** | Precondition: Program has been started, Test Prep text files have been created  Select the file “customer\_bbtp.csv”  Select the file “transaction\_bbtp.csv”  Select the file “fake.txt”  Select the file “purchase\_bbtp.csv”  Select the file “product\_bbtp.csv” | Program opens with a prompt to select a Customer input file  New prompt to select a transaction file  New prompt to select a Purchase file  Reprompt for purchase file  New prompt to select a Product file | “ ” |
| **T2:**  **testCustomerReportPrivacyBlock**  **(ECP)** | Precondition: T1 has passed  Select the “Generate Customer Report” button  Enter “1” | A prompt appears asking the user for a Customer ID  The customer report is displayed, reading: “Customer 1 has a privacy block.” | A prompt appears asking the user for a Customer ID  The customer report is displayed, reading: “Customer 1 has a privacy block.” |
| **T3: testCustomerReportInvalidCustomer**  **(ECP)** | Precondition: T1 has passed  Select the “Generate Customer Report” button  Enter “0” | A prompt appears asking the user for a Customer ID  The customer report is displayed, reading: “Customer 0 is not a valid customer.” | A prompt appears asking the user for a Customer ID  The customer report is displayed, reading: “Customer 0 is not a valid customer.” |
| **T4: testCustomerReportValidCustomer**  **(ECP)** | Precondition: T1 has passed  Select the “Generate Customer Report” button  Enter “4” | A prompt appears asking the user for a Customer ID  The customer report is displayed, reading: “Customer Jimmy Guzman (4) [    No transactions on record. ]  ” | A prompt appears asking the user for a Customer ID  The customer report is displayed, reading: “Customer Jimmy Guzman (4) [    No transactions on record. ]  ” |
| **T5: testMostValuableCustomersMaxCustomers**  **(BVA)** | Precondition: T1 has passed  Select the “Most Valuable Customer Report” button  Enter “4”  Rerun T1  Select the “Most Valuable Customer Report” button  Enter “5” | A prompt appears asking the user for the number of Customers  The Most Valuable Customer Report is displayed: “MostValuableCustomers[    Shirley Pogue (2)  spent $139    Maryetta Huston (3)  spent $38    Jimmy Guzman (4)  spent $0 ]  “  Main menu is displayed.  A prompt appears asking the user for the number of Customers  The Most Valuable Customer Report is displayed: “MostValuableCustomers[    Shirley Pogue (2)  spent $139    Maryetta Huston (3)  spent $38    Jimmy Guzman (4)  spent $0 ]  “ | A prompt appears asking the user for the number of Customers  The Most Valuable Customer Report is displayed: “MostValuableCustomers[    Shirley Pogue (2)  spent $139    Maryetta Huston (3)  spent $38    Jimmy Guzman (4)  spent $0 ]  “  Main menu is displayed.  A prompt appears asking the user for the number of Customers  The Most Valuable Customer Report is displayed: “MostValuableCustomers[    Shirley Pogue (2)  spent $139    Maryetta Huston (3)  spent $38    Jimmy Guzman (4)  spent $0 ]  “ |