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| Test Case # | Purpose of the test case | Input data | Expected output |
| Test 1-4 are sequential | | | |
| 1 | Open Account works properly with proper input | First Name: Richard  Last Name: Xu  Date: 08/17/1999  Balance: 0  Savings: Loyal customer | Account opened and added to the database. |
| 2 | Test Case 1 Scenario | First Name: Richard  Last Name: Xu  Date: 08/17/2000  Balance: 1  Savings | Account is already in the database. |
| 3 | Close Account works properly with proper input | First Name: Richard  Last Name: Xu  Savings | Account closed and removed from the database. |
| 4 | Test Case 3 Scenario | First Name: Richard  Last Name: Xu  Checking | Account does not exist. |
| Test 5-10 are not sequential | | | |
| 5 | Input parses correctly | First Name:  Last Name:  Date: 08/17/1999  Balance: 0  Savings | First Name is Empty!  Last Name is Empty! |
| 6 | Test Case 5 Scenario | First Name: Richard  Last Name: Xu  Date:  Balance: 0  Savings | Date is Invalid! |
| 7 | Test Case 5 Scenario | First Name: Richard  Last Name: Xu  Date: 08/17/1999  Balance:  Savings | Balance is Empty! |
| 8 | Test Case 5 Scenario | First Name:  Last Name:  Date:  Balance:  Savings | First Name is Empty!  Last Name is Empty!  Balance is Empty!  Date is Invalid! |
| 9 | Edge cases for Open/Close | First Name: asdf  Last Name: fdsa  Date: a/s/df  Balance: asdf  Savings - Open | Date is Invalid!  Balance/Amount is Invalid! |
| 10 | Test Case 9 Scenario | First Name: asdf  Last Name: fdsa  Date: 08/17/1999  Balance: asdf  Savings - Close | Account does not exist. |
| Test 11-13 are sequential | | | |
| 11 | Deposit Funds works properly with proper input | First Name: Richard  Last Name: Xu  Amount: 123  Savings – Deposit | 123.00 deposited to account. |
| 12 | Withdraw Funds works properly with proper input | First Name: Richard  Last Name: Xu  Amount: 123  Savings – Withdraw | 123.00 withdrawn from account. |
| 13 | Test Case 12 Scenario | First Name: Richard  Last Name: Xu  Amount: 124  Savings – Withdraw | Insufficient funds. |
| Test 14-17 are not sequential | | | |
| 14 | Input parses correctly | First Name:  Last Name:  Amount:  Savings – Deposit/Withdraw | First Name is Empty!  Last Name is Empty!  Amount is Empty! |
| 15 | Test Case 14 Scenario | First Name: Richard  Last Name: Xu  Amount:  Savings | Amount is Empty! |
| 16 | Deposit/Withdraw Funds with no account | First Name: Hanqing  Last Name: Zhao  Amount: 0  Money Market | Account does not exist. |
| 17 | Edge cases for Deposit/Withdraw | First Name: Richard  Last Name: Xu  Amount: asdf  Savings | Balance/Amount is Invalid! |
| Test 18-24 are not sequential | | | |
| 18 | Database import parses correctly | Import -> database.txt  Print | Successfully imported database.  --Listing accounts in the database--  \*Savings\*Jane Doe\* $500.00\*11/1/2019  …  \*Savings\*Tom Moore\* $1001.40\*9/23/2020  --end of listing-- |
| 19 | Database export data entry correctly | \*Opened two accounts\*  Export -> someotherfile.txt | Successfully exported database.  < In someotherfile.txt >  S,Richard,Xu,0.00,8/17/1999,true  M,Hanqing,Zhao,99999999.00,10/25/2020,0 |
| 20 | Database import/export – no file | Import/Export -> Cancel | Please Select an Import File.  < or >  Please Select a File to Export. |
| 21 | Date parsing for Open/Close | First Name: Richard  Last Name: Xu  Date: 2/29/2000  Balance: 0  Savings | Account opened and added to the database. |
| 22 | Test Case 21 Scenario | First Name: Richard  Last Name: Xu  Date: 2/29/2100  Balance: 0  Savings | 2/29/2100 is not a valid date! |
| 23 | Test Case 21 Scenario | First Name: Hanqing  Last Name: Zhao  Date: 2/29/2020  Balance: 0  Savings | Account opened and added to the database. |
| 24 | Test Case 21 Scenario | First Name: Hanqing  Last Name: Zhao  Date: 2/29/2021  Balance: 0  Savings | 2/29/2021 is not a valid date! |
| Test 25-26 are sequential | | | |
| 25 | Print by last name | Import -> database.txt  Print -> Print by last name | --Printing statements by last name--  \*Checking\*Jerry Anderson\* $1001.40\*9/23/2020  interest: $ 0.04  fee: $ 25.00  new balance: $ 976.44  …  \*Money Market\*Forever Young\* $2934.45\*2/21/2020\*7 withdrawals\*  interest: $ 1.59  fee: $ 12.00  new balance: $ 2924.04  --end of printing-- |
| 26 | Print by date opened | Print -> Print by date opened | --Printing statements by date opened--  \*Checking\*Jane Doe\* $475.02\*2/29/2008  interest: $ 0.02  fee: $ 25.00  new balance: $ 450.04  …  \*Savings\*Tom Moore\* $1001.61\*9/23/2020  interest: $ 0.21  fee: $ 0.00  new balance: $ 1001.82  --end of printing-- |