

Functionality Tested: Open Account			
Test Case #	Requirement/Purpose	Test description and input data	Expected Output
1	<p>Testing user info input boxes to ensure they function correctly</p> <ul style="list-style-type: none"> Case 1: Missing User Info Case 2: Correct name, invalid DOB Case 3: Correct Name (Lower case), Correct DOB Case 4: Correct Name (Name case), Correct DOB 	<ul style="list-style-type: none"> Case 1: No Data Input in the user info input boxes Case 2: First name: "Alpha" Last name: "Beta" DOB: 13/20/2001 (invalid month) Case 3: First name: "alpha" Last name: "beta" DOB: 10/20/2001 Case 4: First name: "Alpha" Last name: "Beta" DOB: 10/20/2001 	<p>Case 1: "Data missing!"</p> <p>Case 2: "Date of birth is invalid!"</p> <p>Case 3: "Success"</p> <p>Case 4: "Success"</p>
2	<p>Opening checking account should have valid deposit amount:</p> <ul style="list-style-type: none"> Case 1: No input amount Case 2: Negative input amount Case 3: Positive amount 	<ul style="list-style-type: none"> Case 1: No input amount Case 2: -1000 Case 3: 1000 	<ul style="list-style-type: none"> Case 1: "Enter a valid amount!" Case 2: "Enter an amount greater than 0!" Case 3: "Account Opened"
3	<p>System shouldn't allow the same user to open the same type of account</p>	<p>Consider account already in database:</p> <p>First name: "Alpha"</p> <p>Last name: "Beta"</p> <p>DOB: 10/20/2001</p> <p>Acc. Type: Savings</p> <p>Trying to input the same details as above while trying to open an account.</p>	<p>Alpha Beta 10/20/2001 already has a Savings account!</p>

Functionality Tested: Close Account			
Test Case #	Requirement/Purpose	Test description and input data	Expected Output
1	<p>Testing user info and account input boxes to ensure they close the correct account</p> <ul style="list-style-type: none"> Case 1: Missing User Info Case 2: Invalid User Info (wrong DOB, correct name) and valid account type Case 3: Invalid User Info (wrong name, correct DOB) and invalid account type Case 4: Valid user info, but invalid account type Case 5: Valid User Info (wrong case) and valid account type Case 6: Valid User Info and valid account type 	<p>Consider account in database:</p> <p>First name: "Alpha" Last name: "Beta" DOB: 10/20/2001 Acc. Type: Savings</p> <ul style="list-style-type: none"> Case 1: No Data Input in the user info input boxes Case 2: First name: "Alpha" Last name: "Beta" DOB: 01/20/2001 Acc. Type: Savings Case 3: First name: "apple" Last name: "beta" DOB: 10/20/2001 Acc. Type: Checking Case 4: First name: "Alpha" Last name: "Beta" DOB: 10/20/2001 Acc. Type: Money Market Case 5: First name: "alpha" Last name: "beta" DOB: 10/20/2001 Acc. Type: Savings Case 6: First name: "Alpha" Last name: "Beta" DOB: 10/20/2001 Acc. Type: Savings 	<p>Case 1: "Data missing!"</p> <p>Case 2: "Alpha Beta 01/20/2001 Savings is not in the database!"</p> <p>Case 3: "apple beta 10/20/2001 Checking is not in the database!"</p> <p>Case 4: "Alpha Beta 10/20/2001 Money Market Savings is not in the database!"</p> <p>Case 5: "alpha beta 10/20/2001 Savings is not in the database!"</p> <p>Case 6: "Account closed!"</p>

Functionality Tested: Deposit/Withdraw			
Test Case #	Requirement/Purpose	Test description and input data	Expected Output
1	<p>The system should check for the account before trying to deposit/withdraw</p> <ul style="list-style-type: none"> Case 1: Trying to deposit into a non-existent account 	<p>Consider account already in database:</p> <p>First name: "Alpha" Last name: "Beta" DOB: 10/20/2001 Acc. Type: Savings</p> <p>Input:</p> <p>First name: "John" Last name: "Cena" DOB: 10/20/2001 Acc. Type: Savings</p>	<p>"John Cena 10/20/2001 Savings is not in the database."</p>
2	<p>The system should only deposit/withdraw a positive number, nothing else</p> <ul style="list-style-type: none"> Case 1: Negative deposit amount in the correct account Case 2: Non-numeric amount in the correct account Case 3: Positive amount in the correct account 	<ul style="list-style-type: none"> Case 1: Deposit of -1000 Case 2: Deposit of "ABC" Case 3: Deposit of 1000 	<ul style="list-style-type: none"> Case 1: "Enter an amount greater than 0!" Case 2: "Enter only numbers!" Case 3: "Deposit - balance updated." -----OR----- "Withdraw - balance updated."
3	<p>FOR WITHDRAW ONLY</p> <p>The system needs to check if the amount being withdraw is not more than the balance available</p>	<p>Balance available: \$1000</p> <p>Input:</p> <ul style="list-style-type: none"> Withdraw \$1200 	<p>"Withdrawal - insufficient funds."</p>

Functionality Tested: Printing			
Test Case #	Requirement/Purpose	Test description and input data	Expected Output
1	The system should check the contents of the database before printing.	Press any display button	"Account Database is empty!"
2	See if "display accounts" button prints the accounts in the order they were inserted.	<p>Consider that the following accounts were inserted one after other:</p> <p>First name: "Alpha" Last name: "Beta" DOB: 10/20/2001 Acc. Type: Savings - Loyal Deposit: \$1000</p> <p>First name: "John" Last name: "Cena" DOB: 01/02/1992 Acc. Type: Checking Deposit: \$1000</p> <p>First name: "Gamma" Last name: "Theta" DOB: 02/02/2000 Acc. Type: College Checking Deposit: \$1000 Campus: NB</p>	<p>Savings::Alpha Beta 10/20/2001::Balance \$1,000.00::loyal</p> <p>Checking::John Cena 01/02/1992::Balance \$2,500.00</p> <p>College Checking::Gamma Theta 02/02/2000::Balance \$1,000.00::New Brunswick</p>
3	Testing the "display by type" button to ensure that the contents of the account database are sorted by account type	Consider the above accounts	<p>Checking::John Cena 01/02/1992::Balance \$2,500.00</p> <p>College Checking::Gamma Theta 02/02/2000::Balance \$1,000.00::New Brunswick</p> <p>Savings::Alpha Beta 10/20/2001::Balance \$1,000.00::loyal</p>

4	<p>Testing the “display with fees/interest” button to ensure that the accounts displayed contain the fees/interest</p>	Consider the accounts in Case #2	<p>Checking::John Cena 01/02/1992::Balance \$2,500.00::fee \$0.00::monthly interest \$0.21</p> <p>College Checking::Gamma Theta 02/02/2000::Balance \$1,000.00::New Brunswick::fee \$0.00::monthly interest \$0.21</p> <p>Savings::Alpha Beta 10/20/2001::Balance \$1,000.00::loyal::fee \$0.00::monthly interest \$0.37</p>
5	<p>Testing the “Update balances and print” button to ensure that the accounts are printed with the fees/interest added to their balance</p> <p>The button should also be disabled after the fees/interest are added.</p>	Consider the accounts in Case #2	<p>Checking::John Cena 01/02/1992::Balance \$2,500.21</p> <p>College Checking::Gamma Theta 02/02/2000::Balance \$1,000.21::New Brunswick</p> <p>Savings::Alpha Beta 10/20/2001::Balance \$1,000.38::loyal</p>