

Test Case #	Purpose of the test case	Input data	Expected output
1	Testing for opening accounts.	<ol style="list-style-type: none"> 1. Select "Open New Account" from drop down. 2. Select "Checking" radio button. 3. Fill out the fields with "Bob", "Vance", "1000", "10/21/2016" 4. Select "Savings" and "Loyal Customer" radio buttons. 5. Fill out the fields with "Bob", "Vance", "5000", "10/21/2016" 6. Select "Money Market" radio button. 7. Fill out the fields with "Bob", "Vance", "10000", "10/21/2016" 	<p>*Checking*Bob Vance*\$1000.00*10/21/2021 6</p> <p>Account opened and added to the database.</p> <p>*Savings*Bob Vance*\$5000.00*10/21/2021 6*special Savings account*</p> <p>Account opened and added to the database.</p> <p>*MoneyMarket*Bob Vance*\$10000.00*10/21/2021 6*0 withdrawals*</p> <p>Account opened and added to the database.</p>
2	Testing for Depositing into accounts.	<ol style="list-style-type: none"> 1. Select "Deposit Funds" from drop down. 2. Select "Checking" radio button. 3. Fill out the fields with "Bob", "Vance", "500" 4. Select "Savings" radio button. 5. Fill out the fields with "Bob", "Vance", "500" 6. Select "Money Market" radio button. 7. Fill out the fields with "Bob", "Vance", "200" 	<p>*Checking*Bob Vance*\$1500.00*10/21/20216</p> <p>*Savings*Bob Vance*\$5500.00*10/21/20216*special Savings account*</p> <p>*MoneyMarket*Bob Vance*\$10200.00*10/21/20216*0 withdrawals*</p>
3	Testing for Withdrawing from Accounts	<ol style="list-style-type: none"> 1. Select "Withdraw Funds" from drop down. 2. Select "Checking" radio button. 3. Fill out the fields with "Bob", "Vance", "50" 4. Select "Savings" radio button. 5. Fill out the fields with "Bob", "Vance", "150" 6. Select "Money Market" radio button. 7. Fill out the fields with "Bob", "Vance", "2000" 	<p>*Checking*Bob Vance*\$1450.00*10/21/20216</p> <p>*Savings*Bob Vance*\$5350.00*10/21/20216*special Savings account*</p>

			*MoneyMarket*Bob Vance*\$8200.00*10/21/20216*1 withdrawal*
4	Test closing accounts	<ol style="list-style-type: none"> 1. Select "Withdraw Funds" from drop down. 2. Select "Checking" radio button. 3. Fill out the fields with "Bob", "Vance" 4. Select "Savings" radio button. 5. Fill out the fields with "Bob", "Vance" 6. Select "Money Market" radio button. 7. Fill out the fields with "Bob", "Vance" 	<p>*Checking*Bob Vance*\$1450.00*10/21/20216 has been removed.</p> <p>*Savings*Bob Vance*\$5350.00*10/21/20216*special Savings account* has been removed.</p> <p>*MoneyMarket*Bob Vance*\$8200.00*10/21/20216*2 withdrawals* has been removed.</p>
5	Test importing files	<ol style="list-style-type: none"> 1. Click on the top tab "File" then "import File" and select "database.txt" 	Imported File and added accounts
6	Test listing of all accounts (following importing file)	Press the "List of Accounts" button	<p>--Listing accounts in the database--</p> <p>*Savings* Jane Doe*\$500.00*11/1/2019</p> <p>*Savings* John Doe*\$500.00*1/1/2010*special Savings account*</p> <p>*Checking* Jane Doe*\$500.00*2/29/2008</p> <p>*Checking*Richard Scanlan*\$1500.00*7/31/2014</p> <p>*Checking* Jason Brown*\$300.12*6/28/2015</p> <p>*Savings*Mary Johnson*\$2000.88*7/31/2014*specia l Savings account*</p> <p>*Savings*Charlie Brown*\$800.00*6/28/2015</p> <p>*MoneyMarket*Mary Johnson*\$456.78*7/10/2014*0 withdrawals*</p>

			<p>*MoneyMarket*Charlie Brown*\$600.33*6/2/2015*6 withdrawals*</p> <p>*MoneyMarket*Forever Young*\$2934.45*2/21/2020*7 withdrawals*</p> <p>*Checking*Jerry Anderson*\$1001.40*9/23/2020</p> <p>*Savings*Tom Moore*\$1001.40*9/23/2020</p> <p>--end of listing--</p>
7	Test listing of all accounts by Date (following importing file)	Press the "By Date" button	<p>--Printing statements by last name--</p> <p>*Checking*Jane Doe*\$500.00*2/29/2008-interest: \$0.02</p> <p>-fee: \$25.00</p> <p>-new balance: \$475.02</p> <p>*Savings*John Doe*\$500.00*1/1/2010*special Savings account*-interest: \$0.15</p> <p>-fee: \$0.00</p> <p>-new balance: \$500.15</p> <p>*MoneyMarket*Mary Johnson*\$456.78*7/10/2014*0 withdrawals*-interest: \$0.25</p> <p>-fee: \$12.00</p> <p>-new balance: \$445.03</p> <p>*Savings*Mary Johnson*\$2000.88*7/31/2014*special Savings account*-interest: \$0.58</p> <p>-fee: \$0.00</p> <p>-new balance: \$2001.46</p>

			<p>*Checking*Richard Scanlan*\$1500.00*7/31/2014-interest: \$0.06</p> <p>-fee: \$0.00</p> <p>-new balance: \$1500.06</p> <p>*MoneyMarket*Charlie Brown*\$600.33*6/2/2015*6 withdrawals*-interest: \$0.33</p> <p>-fee: \$12.00</p> <p>-new balance: \$588.66</p> <p>*Checking*Jason Brown*\$300.12*6/28/2015-interest: \$0.01</p> <p>-fee: \$25.00</p> <p>-new balance: \$275.13</p> <p>*Savings*Charlie Brown*\$800.00*6/28/2015-interest: \$0.17</p> <p>-fee: \$0.00</p> <p>-new balance: \$800.17</p> <p>*Savings*Jane Doe*\$500.00*11/1/2019-interest: \$0.10</p> <p>-fee: \$0.00</p> <p>-new balance: \$500.10</p> <p>*MoneyMarket*Forever Young*\$2934.45*2/21/2020*7 withdrawals*-interest: \$1.59</p> <p>-fee: \$12.00</p> <p>-new balance: \$2924.04</p> <p>*Checking*Jerry Anderson*\$1001.40*9/23/2020-interest: \$0.04</p> <p>-fee: \$25.00</p> <p>-new balance: \$976.44</p>
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			<p>*Savings*Tom Moore*\$1001.40*9/23/2020-interest: \$0.21</p> <p>-fee: \$0.00</p> <p>-new balance: \$1001.61</p> <p>--end of listing--</p>
8	Test listing of all accounts by Last Name (following importing file)	Press the "By Last Name" button	<p>--Printing statements by last name--</p> <p>*Checking*Jerry Anderson*\$976.44*9/23/2020-interes t: \$0.04</p> <p>-fee: \$25.00</p> <p>-new balance: \$951.48</p> <p>*Checking*Jason Brown*\$275.13*6/28/2015-interest: \$0.01</p> <p>-fee: \$25.00</p> <p>-new balance: \$250.14</p> <p>*Savings*Charlie Brown*\$800.17*6/28/2015-interest: \$0.17</p> <p>-fee: \$0.00</p> <p>-new balance: \$800.33</p> <p>*MoneyMarket*Charlie Brown*\$588.66*6/2/2015*7 withdrawals*-interest: \$0.32</p> <p>-fee: \$12.00</p> <p>-new balance: \$576.97</p> <p>*Checking*Jane Doe*\$475.02*2/29/2008-interest: \$0.02</p> <p>-fee: \$25.00</p>

			<p>-new balance: \$450.04</p> <p>*Savings* Jane Doe*\$500.10*11/1/2019-interest: \$0.10</p> <p>-fee: \$0.00</p> <p>-new balance: \$500.21</p> <p>*Savings* John Doe*\$500.15*1/1/2010*special Savings account*-interest: \$0.15</p> <p>-fee: \$0.00</p> <p>-new balance: \$500.29</p> <p>*Savings* Mary Johnson*\$2001.46*7/31/2014*special Savings account*-interest: \$0.58</p> <p>-fee: \$0.00</p> <p>-new balance: \$2002.05</p> <p>*MoneyMarket* Mary Johnson*\$445.03*7/10/2014*1 withdrawal*-interest: \$0.24</p> <p>-fee: \$12.00</p> <p>-new balance: \$433.27</p> <p>*Savings* Tom Moore*\$1001.61*9/23/2020-interest: \$0.21</p> <p>-fee: \$0.00</p> <p>-new balance: \$1001.82</p> <p>*Checking* Richard Scanlan*\$1500.06*7/31/2014-interest : \$0.06</p> <p>-fee: \$0.00</p> <p>-new balance: \$1500.13</p> <p>*MoneyMarket* Forever Young*\$2924.04*2/21/2020*8 withdrawals*-interest: \$1.58</p>
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			-fee: \$12.00 -new balance: \$2913.62 --end of listing--
9	Test removal of nonexistent accounts	1. Select "Close Existing Account" 2. Select "Checking" 3. Fill in the boxes "asdf", "qwer" 4. Select "Savings" 5. Fill in the boxes "asdf", "qwer" 6. Select "Money Market" 7. Fill in the boxes "asdf", "qwer"	Account does not exist. Account does not exist. Account does not exist.
10	Test opening existing accounts	1. Select "Open New Account" 2. Select "Checking" 3. Checkmark the "Direct Deposit" box 4. Fill in the boxes "Mary", "Johnson", "100", "10/21/2016" 5. Select "Savings" 6. Checkmark the "Loyal Customer" box 7. Fill in the boxes "Mary", "Johnson", "100", "10/21/2016" 8. Select "Money Market" 9. Fill in the boxes "Mary", "Johnson", "100", "10/21/2016"	Account is already in database Account is already in database Account is already in database
11	Test lack of inputs	1. Select "Open New Account" 2. Select any account type 3. Hit "Submit" 4. Fill in First Name 5. Hit "Submit" 6. Fill in Last Name 7. Hit "Submit" 8. Fill in amount 9. Hit "Submit"	Please enter first name Please enter last name Please enter an amount Please enter a date ERROR! Invalid info. Please enter last name Please enter an amount Please enter a date ERROR! Invalid info.

			<p>Please enter an amount</p> <p>Please enter a date</p> <p>ERROR! Invalid info.</p> <p>Please enter a date</p> <p>ERROR! Invalid info.</p>
12	Deposit into nonexistent account	<ol style="list-style-type: none"> 1. Select "deposit funds" 2. Select "checking" 3. Fill in "No", "Acc", "1500" 4. Do the same with Savings and Money Market radio buttons selected 	<p>Account does not exist.</p> <p>Account does not exist.</p> <p>Account does not exist.</p>
13	Improper value testing	<ol style="list-style-type: none"> 1. Select "open new account" 2. Select any account type 3. Fill in any first and last name 4. For "amount" fill in -1000 5. For "Date" put in a random string that does not correspond to an existing date 	<p>Please enter a valid date</p> <p>Invalid date</p> <p>ERROR! Invalid info.</p>
14	Export file testing	Select "File" then "Export"	Database has been exported.