

Test Case#	Requirement	Test description and Input Data	Expected result/output
1	When the account database has no account in it or when you don't input an account into it, you can't close that account.	<ul style="list-style-type: none"> <li>Description: Closing an account with no account in the database.</li> <li>Test: closing an account on the close tab. John, Smith, 11/7/2004, College Checking, 3000, Newark</li> </ul>	John Smith 11/7/2004(CC) is not in the database.
2	An account can't be opened or added to the database if it doesn't have a balance	<ul style="list-style-type: none"> <li>Description: opening an account with no balance.</li> <li>Test: John, Smith, 11/7/2004, College Checking, blank, Newark</li> </ul>	Invalid deposit amount.
3	An account can't be opened or added to the database if it doesn't have a campus	<ul style="list-style-type: none"> <li>Description: opening an account with no campus .</li> <li>Test: John, Smith, 11/7/2004, College Checking, 3000, blank</li> </ul>	Missing Campus code.
4	An account opened can't have a zero or negative initial balance.	<ul style="list-style-type: none"> <li>Description: opening an account with no balance.</li> <li>Test: John, Smith, 11/7/2004, College Checking, -3000, Newark</li> </ul>	Initial deposit, regular deposit, or withdrawal cannot be 0 or negative.

5	An account opened can't have a zero or negative initial balance.	<ul style="list-style-type: none"> <li>Description: opening an account with no balance.</li> <li>Test: John, Smith, 11/7/2004, College Checking,0, Newark</li> </ul>	Initial deposit, regular deposit, or withdrawal cannot be 0 or negative.
6	A college checking account holder's age must be lesser than 24	<ul style="list-style-type: none"> <li>Description: opening a college checking account with dob before the date that is 24 years before the account was opened.</li> <li>Test: John, Smith, 11/7/1980, College Checking,3000, Newark</li> </ul>	DOB invalid: 11/7/1980 over 24.
7	For all accounts, the account holder must be at least 16 years old	<ul style="list-style-type: none"> <li>Description: opening a college checking account with dob before the date that is 24 years before the account was opened.</li> <li>Test: John, Smith, 11/7/2008, Checking,3000.</li> </ul>	DOB invalid: 11/7/2008 under 16.
8	You can't open a college checking account for someone who already has a checking account and vice versa	<ul style="list-style-type: none"> <li>Description: opening a checking account and college checking account for the</li> </ul>	John Smith 11/7/2004(C) is already in the database.

		same person <ul style="list-style-type: none"> <li>• Test: 1)John, Smith, 11/7/2008, Checking,3000</li> <li>2) John, Smith, 11/7/2004, college checking Checking,2000, Newark</li> </ul>	
9	You can't open the same account twice with Checking.	<ul style="list-style-type: none"> <li>• Description: opening a checking account two times</li> <li>• Test: 1)John, Smith, 11/7/2004, Checking,3000</li> <li>2) John, Smith, 11/7/2008, Checking,3000</li> </ul>	John Smith 11/7/2004(C) is already in the database.
10	You can't open the same account twice with the money market.	<ul style="list-style-type: none"> <li>• Description: opening a money market account two times</li> <li>• Test: 1)John, Smith, 11/7/2004, Money Market,3000</li> <li>2) John, Smith, 11/7/2008, Money Market,3000</li> </ul>	John Smith 11/7/2004(MM) is already in the database
11	You can't open the same account twice with Savings.	<ul style="list-style-type: none"> <li>• Description: opening a Savings account two times</li> <li>• Test: 1)John, Smith,</li> </ul>	John Smith 11/7/2004(S) is already in the database

		11/7/2004, Savings,3000 2) John, Smith, 11/7/2004, Savings,3000	
12	You can't open the same account twice.	<ul style="list-style-type: none"> <li>• Description: opening a College Checking account two times</li> <li>• Test: 1)John, Smith, 11/7/2004, College Checking,3000, Newark 2) John, Smith, 11/7/2004, College Checking,3000, Newark</li> </ul>	John Smith 11/7/2004(CC) is already in the database
13	You can open an account with the same name of the account holder and the account but different date of birth	<ul style="list-style-type: none"> <li>• Description: opening two accounts with different dob but everything else is the same.</li> <li>• John, Smith, 11/7/2004, Savings,3000 2) John, Smith, 11/7/2005, Savings,3000</li> </ul>	John Smith 11/7/2004(S) is opened. John Smith 11/7/2005(S) is opened.
14	You can open an account with the same name of the account holder and dob but with different account type	<ul style="list-style-type: none"> <li>• Description: opening two accounts with different types but everything else is the same.</li> <li>• John, Smith, 11/7/2004, Savings,3000</li> </ul>	John Smith 11/7/2004(S) is opened. John Smith 11/7/2004(MM) is opened.

		2) Money Market, 11/7/2004, Savings,3000	
15	0 can't be withdrawn or deposited into an account	<ul style="list-style-type: none"> <li>Description: withdrawing or depositing 0 from an account</li> <li>Test: John, Smith, 11/7/2004, Savings,3000 Withdraw or depositing 0 from an same account</li> </ul>	Initial deposit, regular deposit, or withdrawal cannot be 0 or negative.
16	A college checking account should have no monthly fees and should have annual interest of 1.0% when printed with fees and interests	<ul style="list-style-type: none"> <li>Description: A college checking account is opened.</li> <li>Test: Jane, Smith, 11/7/2004, College Checking,3000, Newark</li> </ul>	College Checking::Jane Smith 11/7/2004::Balance \$3000.00::NEWARK::fee \$0.00::monthly interest \$2.50
17	A checking account with balance greater than 1000 should have no monthly fees and annual interest of 1.0% when printed with fees and interests	<ul style="list-style-type: none"> <li>Description: A checking account is opened.</li> <li>Test: John, Smith, 11/7/2004, Checking,3000.</li> </ul>	Checking::John Smith 11/7/2004::Balance \$3000.00::fee \$0.00::monthly interest \$2.50
18	A checking account with balance greater equal to 1000 should have no monthly fees and annual interest of 1.0% when printed with fees and	<ul style="list-style-type: none"> <li>Description: A checking account is opened.</li> <li>Test: Joe, Smith, 11/7/2004, Checking,1000.</li> </ul>	Checking::Joe Smith 11/7/2004::Balance \$1000.00::fee \$0.00::monthly interest \$0.83

	interests		
19	A checking account with balance lesser than 1000 should have 12 monthly fees and annual interest of 1.0% when printed with fees and interests	<ul style="list-style-type: none"> <li>• Description: A checking account is opened.</li> <li>• Test:Joey, Smith, 11/7/2004, Checking,500</li> </ul>	Checking::Joey Smith 11/7/2004::Balance \$500.00::fee \$12.00::monthly interest \$0.42
20	A savings account with balance greater than 500 for a disloyal account holder should have no monthly fees and annual interest of 4.0% when printed with fees and interests	<ul style="list-style-type: none"> <li>• Description: A savings account is opened.</li> <li>• Test:John, Smith, 11/7/2004, Savings,1000</li> </ul>	Savings::John Smith 11/7/2004::Balance \$1000.00::fee \$0.00::monthly interest \$3.33
21	A savings account with balance equal to 500 for a disloyal account holder should have no monthly fees and annual interest of 4.0% when printed with fees and interests	<ul style="list-style-type: none"> <li>• Description: A savings account is opened.</li> <li>• Test:Joe, Smith, 11/7/2004, Savings,500</li> </ul>	Savings::Joe Smith 11/7/2004::Balance \$500.00::fee \$0.00::monthly interest \$1.67
22	A savings account with balance lesser than 500 for a disloyal account holder should have \$25 monthly fees and annual interest of 4.0% when printed with fees and interests	<ul style="list-style-type: none"> <li>• Description: A savings account is opened.</li> <li>• Test:Joey, Smith, 11/7/2004, Savings,400</li> </ul>	Savings::Joey Smith 11/7/2004::Balance \$400.00::fee \$25.00::monthly interest \$1.33
23	A savings account for a loyal account holder with no monthly fees and annual interest of 4.25% when printed	<ul style="list-style-type: none"> <li>• Description: A money market account is opened.</li> <li>• Test:Ruby, Smith,</li> </ul>	Savings::Ruby Smith 11/7/2004::Balance \$1000.00::is loyal::fee \$0.00::monthly interest \$3.54

	with fees and interests	11/7/2004, Savings,1000	
24	Money Market account with initial deposit less than 2000 cannot be opened	<ul style="list-style-type: none"> <li>Description: A money market account is opened with an initial deposit less than 2000.</li> <li>Test: Ruby, Smith, 11/7/2004, Savings,1900</li> </ul>	Minimum of \$2000 to open a Money Market account.
25	A Money Market account with initial deposit equal to 2000 can be opened with the default value of loyalty being true has no fees and interest rate annually of 4.25%	<ul style="list-style-type: none"> <li>Description: A money market account is opened with an initial deposit equal to 2000.</li> <li>Test: Joe, Smith, 11/7/2004, Savings,2000</li> </ul>	Money Market::Ruby Smith 11/7/2004::Balance \$2000.00::is loyal::withdrawal: 0::fee \$0.00::monthly interest \$7.92
26	A Money Market account with an initial deposit greater than 2000 can be opened with the default value of loyalty being true has no fees and interest rate annually of 4.25%	<ul style="list-style-type: none"> <li>Description: A money market account is opened with an initial deposit greater than 2000.</li> <li>Test: Roy, Smith, 11/7/2004, Savings,2500</li> </ul>	Money Market::Roy Smith 11/7/2004::Balance \$2500.00::is loyal::withdrawal: 0::fee \$0.00::monthly interest \$9.90
27	A Money Market account with an initial deposit greater than 2000 can be opened with the default value of loyalty being true with >3 withdrawals has \$10 fees and interest rate annually of 4.25%	<ul style="list-style-type: none"> <li>Description: A money market account is opened with an initial deposit greater than 2000 and more than 4 withdrawals.</li> <li>Test: Rody, Smith, 11/7/2004,</li> </ul>	Money Market::Rody Smith 11/7/2004::Balance \$2100.00::is loyal::withdrawal: 4::fee \$10.00::monthly interest \$8.31

		Savings,2500 Withdraw \$100 4 times	
28	A Money Market account with an initial deposit greater than 2000 but balance after one withdrawal is less than 2000 will have a \$ 25 monthly fee and 4% annual interest rate and the loyalty will be set to disloyal.	<ul style="list-style-type: none"> <li>• Description: A money market account is opened with an initial deposit equal to 2000 and 1 withdrawal of 1000.</li> <li>• Test: Ruby, Smith, 11/7/2004, Savings,2000 Withdraw \$1000 one time</li> </ul>	Money Market::Ruby Smith 11/7/2004::Balance \$1000.00::withdrawal : 1::fee \$25.00::monthly interest \$3.75
29	A Money Market account with an initial deposit greater than 2000 but balance after 4 withdrawal is less than 2000 will have a \$ 35 monthly fee and 4% annual interest rate and the loyalty will be set to disloyal.	<ul style="list-style-type: none"> <li>• Description: A money market account is opened with an initial deposit equal to 2000 and 4 withdrawals of 100.</li> <li>• Test: Rudy, Smith, 11/7/2004, Savings,2000 Withdraw \$1000 one time</li> </ul>	Money Market::Rudy Smith 11/7/2004::Balance \$1600.00::withdrawal : 4::fee \$35.00::monthly interest \$6.00