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.	• Description: Closing an account with no account in the database. • Test: closing an account on the close tab. John, Smith,11/7/200 4, College Checking, 3000, Newark	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	• Description: opening an account with no balance. • Test: John, Smith, 11/7/2004, College Checking,blank , Newark	Missing data for opening an account.
3	An account can't be opened or added to the database if it doesn't have a campus	• Description: opening an account with no campus . • Test: John, Smith, 11/7/2004, College Checking,3000, blank	Missing Campus code.
4	An account opened can't have a zero or negative initial balance.	• Description: opening an account with no balance. • Test: John, Smith, 11/7/2004, College Checking,-300 0, Newark	Initial deposit, regular deposit, or withdrawal cannot be 0 or negative.

5	An account opened can't have a zero or negative initial balance.	• Description: opening an account with no balance. • Test: John, Smith, 11/7/2004, College Checking,0, Newark	Initial deposit, regular deposit, or withdrawal cannot be 0 or negative.
6	A college checking account holder's age must be lesser than 24	• Description: opening a college checking account with dob before the date that is 24 years before the account was opened. • Test: John, Smith, 11/7/1980, College Checking,3000, Newark	DOB invalid: 11/7/1980 over 24.
7	For all accounts, the account holder must be at least 16 years old	• Description: opening a college checking account with dob before the date that is 24 years before the account was opened. • Test: John, Smith, 11/7/2008, Checking,3000.	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	• Description: opening a checking account and college checking account for the	John Smith 11/7/2004(C) is already in the database.

		same person ● Test: 1)John, Smith, 11/7/2008, Checking,3000 2) John, Smith, 11/7/2004, college checking Checking,2000, Newark	
9	You can't open the same account twice with Checking.	● Description: opening a checking account two times ● Test: 1)John, Smith, 11/7/2004, Checking,3000 2) John, Smith, 11/7/2008, Checking,3000	John Smith 11/7/2004(C) is already in the database.
10	You can't open the same account twice with the money market.	● Description: opening a money market account two times ● Test: 1)John, Smith, 11/7/2004, Money Market,3000 2) John, Smith, 11/7/2008, Money Market,3000	John Smith 11/7/2004(MM) is already in the database
11	You can't open the same account twice with Savings.	● Description: opening a Savings account two times ● Test: 1)John, Smith,	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.	• Description: opening a College Checking account two times • Test: 1)John, Smith, 11/7/2004, College Checking,3000, Newark 2) John, Smith, 11/7/2004, College Checking,3000, Newark	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	• Description: opening two accounts with different dob but everything else is the same. • John, Smith, 11/7/2004, Savings,3000 2) John, Smith, 11/7/2005, Savings,3000	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	• Description: opening two accounts with different types but everything else is the same. • John, Smith, 11/7/2004, Savings,3000	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	• Description: withdrawing or depositing 0 from an account • Test: John, Smith, 11/7/2004, Savings,3000 Withdraw or depositing 0 from an same account	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	• Description: A college checking account is opened. • Test:Jane, Smith, 11/7/2004, College Checking,3000, Newark	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	• Description: A checking account is opened. • Test:John, Smith, 11/7/2004, Checking,3000.	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	• Description: A checking account is opened. • Test:Joe, Smith, 11/7/2004, Checking,1000.	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	● Description: A checking account is opened. ● Test:Joey, Smith, 11/7/2004, Checking,500	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	● Description: A savings account is opened. ● Test:John, Smith, 11/7/2004, Savings,1000	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	● Description: A savings account is opened. ● Test:Joe, Smith, 11/7/2004, Savings,500	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	● Description: A savings account is opened. ● Test:Joey, Smith, 11/7/2004, Savings,400	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	● Description: A money market account is opened. ● Test:Ruby, Smith,	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	• Description: A money market account is opened with an initial deposit less than 2000. • Test:Ruby, Smith, 11/7/2004, Savings,1900	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%	• Description: A money market account is opened with an initial deposit equal to 2000. • Test: Joe, Smith, 11/7/2004, Savings,2000	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%	• Description: A money market account is opened with an initial deposit greater than 2000. • Test: Roy, Smith, 11/7/2004, Savings,2500	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%	• Description: A money market account is opened with an initial deposit greater than 2000 and more than 4 withdrawals. • Test: Rody, Smith, 11/7/2004,	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.	● Description: A money market account is opened with an initial deposit equal to 2000 and 1 withdrawal of 1000. ● Test: Ruby, Smith, 11/7/2004, Savings,2000 Withdraw $1000 one time	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.	● Description: A money market account is opened with an initial deposit equal to 2000 and 4 withdrawals of 100. ● Test: Rudy, Smith, 11/7/2004, Savings,2000 Withdraw $1000 one time	Money Market::Rudy Smith 11/7/2004::Balance $1600.00::withdrawal : 4::fee $35.00::monthly interest $6.00