

BankTeller Program Test Cases			
Test Case #	Requirement	Test Description and Input Data	Expected Result/ Output
1	The program should not accept invalid commands (buttons pressed)	<ul style="list-style-type: none"> Invalid commands: o p q d w i pt pi 	"Invalid command!"
2	The program should not print any accounts before they are added	<ul style="list-style-type: none"> Print commands P PT PI 	"Account Database is empty!"
3	The program should not open accounts when information is missing (command, type of account, first name, last name, initial deposit)	<ul style="list-style-type: none"> Missing name & dob: O C Missing last name: O C John Missing dob: O C John Doe Missing initial deposit: O C John Doe 2/19/1989 O C John Doe 2/19/1989 	"Missing data for opening an account."
4	The program should not open accounts when the initial deposit is not valid (not a number)	<ul style="list-style-type: none"> Initial deposit starts with a letter: O CC John Doe 2/19/1989 X 0 	"Not a valid amount."
5	The program should not open accounts when the initial deposit is either 0 or negative	<ul style="list-style-type: none"> Initial deposit is negative: O CC John Doe 2/19/1989 -100 0 Initial deposit is positive: O CC John Doe 2/19/1989 0 0 	"Initial deposit cannot be 0 or negative."
6	The program should not open an account if a person has already opened an account of the same type.	<ul style="list-style-type: none"> First opens an account O CC Jane Doe 10/1/1995 599.99 0 Attempts to reopen the same account O CC Jane Doe 10/1/1995 	" 'First name Last name dob' same account(type) is in the database."

		599.99 0	
7	The program should not open a Money Market account if the initial deposit is less than \$2500	<ul style="list-style-type: none"> Initial deposit is less than 2500 O MM Jane Doe 10/1/1995 2300 	"Minimum of \$2500 to open a MoneyMarket account."
8	The program should not open an account if the date of birth is invalid.	<ul style="list-style-type: none"> Date is a future date O MM Roy Brooks 3/29/2023 2909.10 Number of days in February in a non leap is >28 O MM Roy Brooks 2/29/2011 2909.10 Days range exceeds 31 O MM Roy Brooks 3/32/2008 2909.10 Month range is not within 1-12 O MM Roy Brooks 0/2/2008 2909.10 O MM Roy Brooks 13/3/2008 2909.10 	"Date of birth invalid."
9	The program should not open a Checking/College Checking account if a person has already opened one of those accounts.	<ul style="list-style-type: none"> First opens a CC account O CC Jane Doe 10/1/1995 599.99 0 Attempts to open a C account O C Jane Doe 10/1/1995 	" 'First name Last name dob' same account(type) is in the database."
10	The program should not open a College Checking account if the campus code is not 0, 1, or 2.	<ul style="list-style-type: none"> Campus code is not 0/1/2: O CC Kate Lindsey 8/31/2001 450 3 	"Invalid campus code."
11	The program should open an account if the person has not opened an account of the same type before, if the dob is valid, if the balance is valid, the loyalty code is valid, and if the campus code is valid	<ul style="list-style-type: none"> O MM Roy Brooks 10/31/1979 2909.10 O CC April March 1/15/1987 490 0 O S Jane Doe 10/1/1995 1000 0 O C John Doe 2/19/1989 599.99 	"Account opened."
12	The program should print a list of accounts in the database when there are accounts in the database.	<ul style="list-style-type: none"> *adds multiple accounts* P 	"*list of accounts in the database* ... *end of list*"

13	The program should print a list of accounts in the database by account type when there are accounts in the database.	<ul style="list-style-type: none"> • *adds multiple accounts* • PT 	"*list of accounts by account type. ... *end of list."
14	The program should close an account if the account is part of the database, enough data has been provided, and the account has not been closed before.	<ul style="list-style-type: none"> • C C April March 1/15/1987 	"Account closed."
15	The program should not close an account that, is not apart of the database, or has already been closed	<ul style="list-style-type: none"> • Closes an account: • C C April March 1/15/1987 • Attempts to close the account again: • C C April March 1/15/1987 	"Account is closed already."
16	The program should not close an account that does not have enough data	<ul style="list-style-type: none"> • C C • C C April • C C April March 	"Missing data for closing an account."
17	The program should reopen an account that was previously in the database as closed, given that enough data has been provided.	<ul style="list-style-type: none"> • C C April March 1/15/1987 • O C April March 1/15/1987 1500 	"Account reopened."
18	The program should not deposit or withdraw money into an account if the account does not exist in the database.	<ul style="list-style-type: none"> • D CC John Doe 2/19/1990 100 • W C Kate Lindsey 11/2/2002 100 	"John Doe 2/19/1990 College Checking is not in the database." "Kate Lindsey 11/2/2002 Checking is not in the database."
19	The program should deposit money into an account if the account exists in the database, there is enough data provided, and the balance is greater than	<ul style="list-style-type: none"> • Opens the account: • O C John Doe 2/19/1990 2000 • Deposits money: • D C John Doe 2/19/1990 	"Deposit - balance updated."

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20	The program should not deposit or withdraw money into an account if the balance is not valid (letters)	<ul style="list-style-type: none"> • D S April March 1/15/1987 AAA • W S April March 1/15/1987 AAA 	"Not a valid amount."
21	The program should not deposit or withdraw money into an account if the balance is either 0 or negative.	<ul style="list-style-type: none"> • D S April March 1/15/1987 0 • D S April March 1/15/1987 -100 • W S April March 1/15/1987 0 • W S April March 1/15/1987 -100 	"Deposit - amount cannot be 0 or negative." "Withdraw - amount cannot be 0 or negative."
22	The program should withdraw money if there is enough data provided, if the account is in the database, and there are sufficient funds in the account.	<ul style="list-style-type: none"> • Opens the account: • O CC Kate Lindsey 11/2/2002 1000 • Withdraws money: • W CC Kate Lindsey 11/2/2002 100 	"Withdraw - balance updated."
23	The program should not withdraw money if there is not enough in the account.	<ul style="list-style-type: none"> • Opens account with \$100: • O CC Duke Ellington 11/2/2002 100 • Tries to withdraw \$1000 • W CC Duke Ellington 11/2/2002 1000 	"Withdraw - insufficient fund."
24	The program should print a list of accounts in the database with fees and monthly interest.	<ul style="list-style-type: none"> • PI 	"*list of accounts with fee and monthly interest ... *end of list."
25	The program should terminate when "Q" is entered.	<ul style="list-style-type: none"> • Q 	"Bank Teller is terminated. "