Project 3 Test Specification

Test Case #	Requirement	Test case description and Input Data	Expected result/output
feature:	open account		
1	If a field is left blank, an error message should be provided.	Enter the following inputs in the "Open" tab in TransactionManager window: Case 1: "First Name" is blank	"Missing data for opening an account."
2	If an unacceptable DOB is entered, the account should not be opened.	Enter the following inputs in the "Open" tab in TransactionManager	Case 1: "DOB invalid: 11/5/2023 under 16"

		window:	Case 2: "DOB invalid:
		Case 1: Age under 16	11/5/1990 over 24." Case 3: "DOB invalid: 12/5/2023 cannot be today or a future day."
		Case 2: Age above 24 for a College Checking First Name: Deshna Last Name: Doshi DOB: 11/5/1990 Initial Deposit: 100 Account: College Checking/NB	
		Case 3: Cannot be a future date	
3	If an invalid initial deposit is made, the account cannot be opened.	Enter the following inputs in the "Open" tab in TransactionManager window: Case 1: Initial Deposit is \$0	Case 1: "Initial deposit cannot be 0 or negative." Case 2: "Initial deposit cannot be 0 or negative."
4	If a campus is not chosen, a College Checking account cannot be opened.	Enter the following inputs in the "Open" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Initial Deposit: 100 • Account: College Checking/(no campus selection)	"Invalid campus code."

5	Only numbers can be entered into the Initial Deposit field.	Enter the following inputs in the "Open" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Initial Deposit: yeehaw • Account: Checking	"Not a valid amount."
6	A bank account with valid information can be opened.	Enter the following inputs in the "Open" tab in TransactionManager window: • First Name: Deshna • Last Name: Doshi • DOB: 11/5/2023 • Initial Deposit: 100 • Account: Savings	"Deshna Doshi 11/5/2003(S) opened."
feature : c	lose account		
1	If a field is left blank, an error message should be provided.	Enter the following inputs in the "Close" tab in TransactionManager window: Case 1: "First Name" is blank	"Missing data for closing an account."
2	If an unacceptable DOB is entered, the account cannot be closed.	Enter the following inputs in the "Close" tab in TransactionManager	Case 1: "DOB invalid: 11/5/2023 under 16"

		window: Case 1: Age under 16 First Name: Deshna Last Name: Doshi DOB: 11/5/2023 Account: Checking Case 2: Cannot be a future date First Name: Deshna Last Name: Doshi DOB: 12/5/2023 Account: College Checking	Case 2: "DOB invalid: 12/5/2023 cannot be today or a future day."
3	An account that does not exist, cannot be closed.	Enter the following inputs in the "Close" tab in TransactionManager window: • First Name: Deshna • Last Name: Doshi • DOB: 11/5/2003 • Account: Money Market	"Deshna Doshi 11/5/2003(MM) is not in the database."
4	An account that exists, can be closed.	Enter the following inputs in the "Open" tab in TransactionManager window: • First Name: Deshna • Last Name: Doshi • DOB: 11/5/2003 • Initial Deposit: 100 • Account: Money Market Enter the following inputs in the "Close" tab in TransactionManager window: • First Name: Deshna • Last Name: Doshi • DOB: 11/5/2003 • Account: Money Market	"Deshna Doshi 11/5/2003(MM) has been closed."
feature : d	eposit to account		
1	If a field is left blank, an error message should be provided.	Enter the following inputs in the "Deposit" tab in TransactionManager window: Case 1: "First Name" is blank First Name: (blank) Last Name: Doshi DOB: 11/5/2003 Amount: 100	"Missing data for making deposit in account."

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		Account: Checking	
		Case 2: "Last Name" is blank	
		Case 3: "DOB" is blank	
		Case 4: "Amount" is blank First Name: Haejin Last Name: Song DOB: 11/28/2003 Amount: (blank) Account: Savings	
		Case 5: No account type is chosen First Name: Deshna Last Name: Doshi DOB: 11/5/2003 Amount: 100 Account: none	
2	If an unacceptable DOB is entered, error message should be displayed.	Enter the following inputs in the "Deposit" tab in TransactionManager window:	Case 1: "DOB invalid: 11/5/2016 under 16."
		Case 1: Age under 16	Case 2: "DOB invalid: 11/14/2023 cannot be today or a future day."
		Case 2: Cannot be a future date	
3	If an invalid deposit is made, error message should be displayed.	Enter the following inputs in the "Deposit" tab in TransactionManager window:	"Deposit - amount cannot be 0 or negative."
		Case 1: Deposit is \$0 • First Name: Haejin	

		 Last Name: Song DOB: 11/28/2003 Initial Deposit: 0 Account: Checking Case 2: Deposit is \$-100 First Name: Haejin Last Name: Song DOB: 11/28/2003 Initial Deposit: -100 Account: Checking 	
4	If an account does not exist, cannot be deposited to.	Enter the following inputs in the "Deposit" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Deposit: 100 • Account: Checking	"Haejin Song 11/28/2003(C) is not in the database."
5	If an account exists, it can be deposited to.	Enter the following inputs in the "Open" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Deposit: 100 • Account: Checking Enter the following inputs in the "Close" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Deposit: 20 • Account: Checking	"Haejin Song 11/28/2003(C) Deposit - balance updated."
feature: w	rithdraw account		
1	If a field is left blank, an error message should be provided.	Enter the following inputs in the "Withdraw" tab in TransactionManager window: Case 1: "First Name" is blank First Name: (blank) Last Name: Doshi DOB: 11/5/2003 Amount: 100	"Missing data for withdrawing from account."

		Account: Checking	
		Case 2: "Last Name" is blank	
		Case 3: "DOB" is blank	
		Case 4: "Amount" is blank First Name: Haejin Last Name: Song DOB: 11/28/2003 Amount: (blank) Account: Savings Case 5: No account type is chosen First Name: Deshna Last Name: Doshi DOB: 11/5/2003 Amount: 100	
2	If an invalid withdraw amount is entered, error message should be returned.	 Account: none Enter the following inputs in the "Withdraw" tab in TransactionManager window: 	"Withdraw - amount cannot be 0 or negative."
		Case 1: Withdraw is \$0	
		Case 2: Withdraw is \$-100 First Name: Haejin Last Name: Song DOB: 11/28/2003 Amount: -100 Account: Checking	
3	If an account does not exist, cannot be withdrawn from.	Enter the following inputs in the "Withdraw" tab in TransactionManager window: • First Name: Haejin	"Haejin Song 11/28/2003(C) is not in the database."

		 Last Name: Song DOB: 11/28/2003 Amount: 100 Account: Checking 	
4	If an account exists, it can be withdrawn from.	Enter the following inputs in the "Open" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Amount: 100 • Account: Checking Enter the following inputs in the "Withdraw" tab in TransactionManager window: • First Name: Haejin • Last Name: Song • DOB: 11/28/2003 • Amount: 20 • Account: Checking	"Haejin Song 11/28/2003(C) Withdraw - balance updated."
feature : a	ccount database		
1	Print all the accounts with sorting.	Enter the following inputs in the "Open" tab in TransactionManager window: First Name: Haejin Last Name: Song DOB: 11/28/2003 Amount: 100 Account: Checking First Name: Deshna Last Name: Doshi DOB: 11/5/2003 Amount: 100 Account: College Checking/NB Click "Print Account Database" button in the "Account Database" tab.	"*Accounts sorted by account type and profile. Checking::Haejin Song 11/28/2003::Balance \$100.00 College Checking::Deshna Doshi 11/5/2003::Balance \$100.00::NEWARK*end of list."
2	Print all the accounts with interests/fees.	Enter the same information as Test Case 1, in the "Open" tab.	"*list of accounts with fee and monthly interest
		Click "Print Interests/Fees" button in the "Account Database" tab.	Checking::Haejin Song 11/28/2003::Balance \$100.00::fee \$12.00::monthly

			interest \$0.08 College Checking::Deshna Doshi 11/5/2003::Balance \$100.00::NEWARK::fee \$0.00::monthly interest \$0.08 *end of list."
3	Print all accounts with updated balances.	Enter the same information as Test Case 1, in the "Open" tab. Click "Update Account Balances" button in the "Account Database" tab.	"*list of accounts with fees and interests applied. Checking::Haejin Song 11/28/2003::Balance \$88.08 College Checking::Deshna Doshi 11/5/2003::Balance \$100.08::NEWARK *end of list."
4	If no file is selected to read inputs from, error message should be displayed.	Click "Load Account from File." Do not select a file.	"File not found."