

For my Design Implementations project, I decided to create a java program for a banking application using JDBC. Here is a little bit of information about my database. My program allows the user to create a customer account, and store it into the customer table. Each customer will have the option to create a checking account which will be stored into the account table. Then, there is the third table in our database called transaction. This stores the information about deposits and withdrawals, or in short, transactions a customer makes on their checking account. I will not give you instructions on how to use my program:

1. The user in the program will be greeted by the Online Banking Service.
2. The user will have a choice to sign in to an existing customer account, or create a new account. Once the user signs into an account, they become a customer of the bank
3. The customer has 6 options(including exiting the bank). I will explain the six options the customer has down below
4. The first option is Creating a checking account. This will gather basic information from the user: account number, user_id, initial balance. This application will store the retrieved information into the account table. A customer is only allowed to create one checking account.
5. The second option is the depositing and withdrawing. Once the customer does either of these transactions, the account table will be updated, and the transaction table will have a new row inserted. The D represents for deposit, which the application will ask from the customer, and W stands for withdrawal. The money the customer enters will be updated by addition, if the customer deposits, or subtraction, if the customer withdraws.
6. The third option is printing out the details of the checking account by requesting the account number. This will print basic information such as user_id, current balance, and account number
7. The fourth option is deleting a checking account by requesting the bank account number.
8. The fifth option is to view transaction history, which views all the transactions based on the requested bank account number.
9. The last option is to exit the application. In my program, there are three ways to exit the program: after creating a new customer account, looping through the six options, or manually ending the program.