

Credit Name:CSE3130

Assignment Name:Account

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

Initially and towards the end I didn't know what I was doing wrong, this was until I asked Nolan and he showed that some of my classes were not the same. Here is the bugged code:

```
import java.util.Scanner;

public class AccountTester {

    public static void main(String[] args) {

        PersonalAcct acc1 = new PersonalAcct(1, "joe", "philips", "calgary", "panarama",
"alberta", "k915t6");

        BussinessAccount acc2 = new BussinessAccount(400, "building", "corporation",
"nashville", "St road", "USA", "61fki9");

        Scanner userInput = new Scanner(System.in);

        String action;
        double amt;
        int accNumber;

        Account account = acc1;

        do {
            System.out.println("\n (A)ccount \\\ (C)hange address \\\ (W)ithdraw \\\
(D)eposit \\\ (Q)uit ");
            System.out.println("Enter choice: ");
            action = userInput.next();

            if (!action.equalsIgnoreCase("Q")) {
                System.out.println("Enter Account number (1 or 2): ");
                accNumber = userInput.nextInt();

                switch (accNumber) {
                    case 1:
                        account = acc1;
                        break;
                }
            }
        } while (action != "Q");
    }
}
```

```

        case 2:
            account = acc2;
            break;
    }

    if (action.equalsIgnoreCase("A")) {
        System.out.println(account);

        if (account == acc1) {
            acc1.minimumBalance();
        } else {
            acc2.minimumBalance();
        }
    } else if (action.equalsIgnoreCase("C")) {
        System.out.println(account);
        account.updateAddress();
        System.out.println(account);
    } else if (action.equalsIgnoreCase("W")) {
        System.out.println(account);
        System.out.println("How much would you like to
withdraw?");

        amt = userInput.nextDouble();
        account.withdraw(amt);
        System.out.println("New balance: " +
account.getBalance());
    } else if (action.equalsIgnoreCase("D")) {
        System.out.println(account);
        System.out.println("How much would you like to deposit?");
        amt = userInput.nextDouble();
        account.addMoney(amt);
        System.out.println("New balance: " +
account.getBalance());
    }
}
} while (!action.equalsIgnoreCase("Q"));

userInput.close();
}
}

```

I fixed it by:

1. Changed the spelling of the class BussinessAccount to BussinessAcct in the instantiation.

2. Changed the method name `minimumBalance()` to `minBal()` in the if statement under the action "A".
3. Changed the method name `updateAddress()` to `changeAddress()` in the action "C".
4. Changed the method name `withdraw()` to `withdrawal()` in the action "W".
5. Changed the method name `addMoney()` to `deposit()` in the action "D".