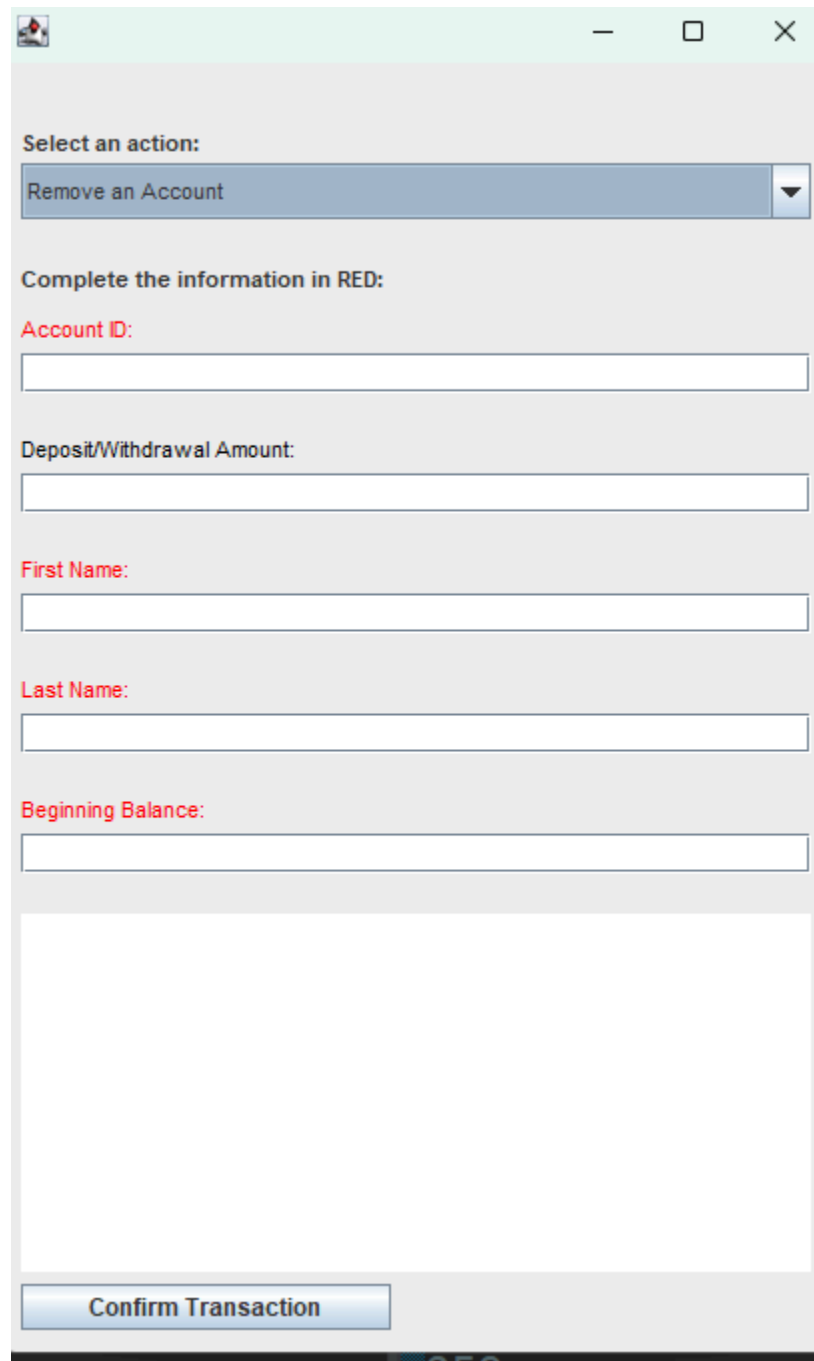


CSE 3010 Computer Science 3

TicTacToe ErrorLog



The screenshot shows a web form with the following elements:

- A dropdown menu labeled "Select an action:" with "Remove an Account" selected.
- A section titled "Complete the information in RED:" containing five input fields, each with a red label:
 - Account ID:
 - Deposit/Withdrawal Amount:
 - First Name:
 - Last Name:
 - Beginning Balance:
- A "Confirm Transaction" button at the bottom.

The logic error is that the labels remain red even after a different option is selected in the dropdown menu.

Logic error: Labels do not reset colour when a different option is selected in combo box

```
else if(obj.equals("Remove an Account"))
{
    clear();

    isRed(AccountIDLabel);

    isNotRed(CashFlowLabel);
    isNotRed(FirstNameLabel);
    isNotRed(LastNameLabel);
    isNotRed(BalanceLabel);
}
```

Select an action:

Remove an Account

Complete the information in RED:

Account ID:

Deposit/Withdrawal Amount:

First Name:

Last Name:

Beginning Balance:

Your id is AKapoor
Your Name is Aryan Kapoor
Your Balance is \$1000.0

Confirm Transaction

Fixed by making a method called isNotRed which sets text to black.

```
//method to add accounts
public String AddAccount(String fname, String lname, double bal) {

    Account acct = new Account(fname,lname,bal);

    String id = getID();

    idList.addLast(getID());
    fnameList.addLast(getFName());           //add all information from account class to its relevant list
    lnameList.addLast(getLName());
    balanceList.addLast(getBalance());

    String message = "Your id is " + id + "\n Your Name is " + fname + " " + lname + "\n Your Balance is $" + bal;
    return message;
}
```

Syntax Error: None of the account methods work.

```
//method to add accounts
public String AddAccount(String fname, String lname, double bal) {

    Account acct = new Account(fname,lname,bal);

    String id = acct.getID();

    idList.addLast(acct.getID());
    fnameList.addLast(acct.getFName());       //add all information from account class to its relevant list
    lnameList.addLast(acct.getLName());
    balanceList.addLast(acct.getBalance());

    String message = "Your id is " + id + "\n Your Name is " + fname + " " + lname + "\n Your Balance is $" + bal;
    return message;
}
```

Just fixed by correcting the syntax.

```
// Method to check the balance of an account
public String checkBalance(String id) {
    int index = getIndex(id);
    return "Name: " + fnameList.get(index) + " " + lnameList.get(index) +
        "\nID: " + idList.get(index) +
        "\nBalance: $" + balanceList.get(index);
}
```

Program crashes if there is an invalid id .

```
//method to get index
private int getIndex(String id) {
    if (idList.contains(id)) {
        return idList.indexOf(id);
    } else {
        return -1;           // for invalid id cases
    }
}
```

```
// Method to check the balance of an account
public String checkBalance(String id) {
    int index = getIndex(id);
    if (index != -1) {
        return "Name: " + fnameList.get(index) + " " + lnameList.get(index) +
            "\nID: " + idList.get(index) +
            "\nBalance: $" + balanceList.get(index);
    } else {
        return "ID Not found. Try again.";
    }
}
```

Fixed by generating a -1 in the getIndex method and creating a conditional statement in my other methods to say "ID not found"