

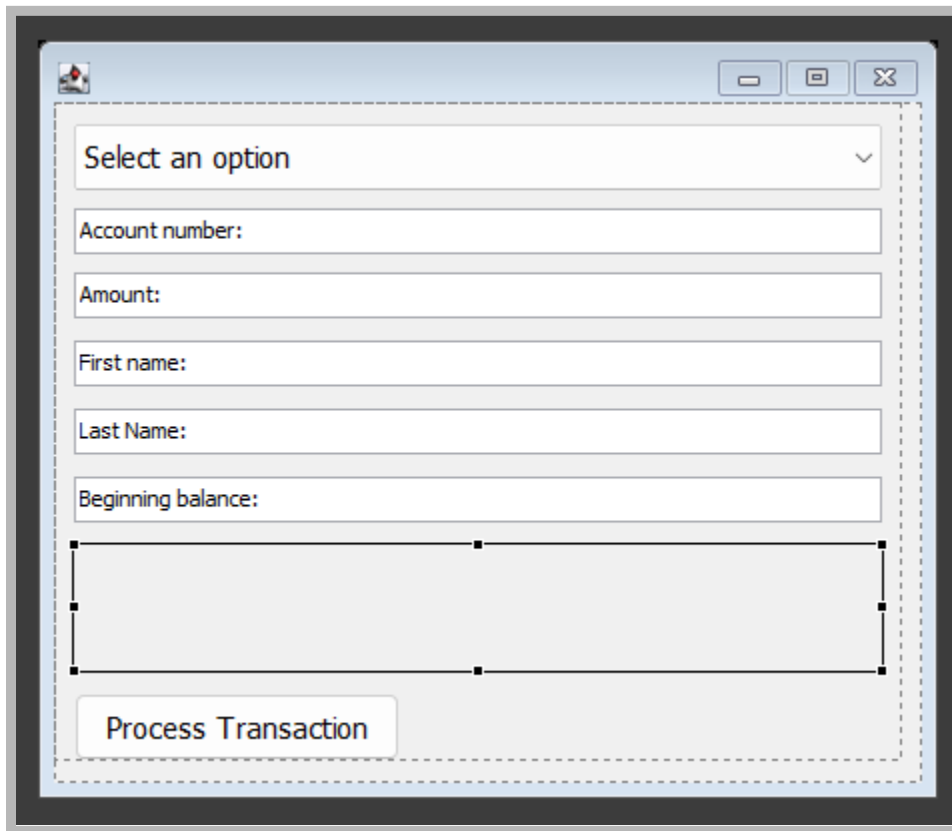
Credit Name: Computer Science 3

Assignment Name: LocalBank

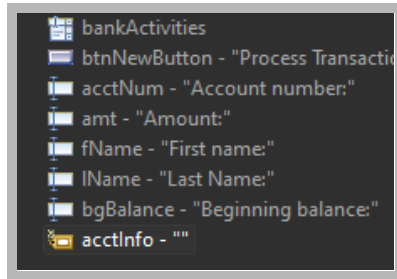
How has your program changed from planning to coding to now? Please explain?



I started out by creating the LocalBank, Bank, Account, and Customer java files. I then implemented the given textbook code to each of the java files.



I started out by adding a combo box, 5 text fields, a label, and a button to take the user input and produce an output later.



I then renamed the components to names that suit their job.

```
JComboBox bankActivities = new JComboBox();
bankActivities.addActionListener(new ActionListener() {

    |
    public void actionPerformed(ActionEvent e)
    {

    }

});
```

I added an action for when an option is selected in the combo box to colour the text in each text field for what the user needed to enter.

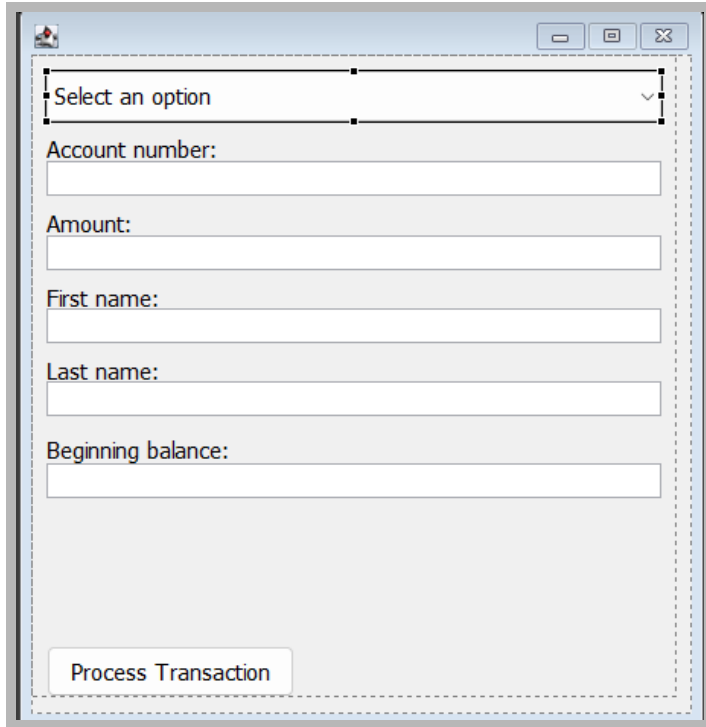
```
JComboBox bankActivities = new JComboBox();
bankActivities.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e)
    {
        if (bankActivities.getSelectedIndex() == 1)
        {
            acctNum.setForeground(Color.red);
            amt.setForeground(Color.red);
        }

    }

});
```

I then started to implement code that would check which option the user picked and then it would colour the correct text they needed.



I also decided to change the text from displaying in the text field to displaying in a label. This was because I didn't want the text to disappear entirely when you clicked on a text field and you could possibly forget what was supposed to be entered there.

```
if (bankActivities.getItemCount() >= 6)
{
    bankActivities.removeItemAt(0);
}

if (bankActivities.getSelectedIndex() == 0)
{
    acctNumLabel.setForeground(Color.red);
    amtLabel.setForeground(Color.red);
    fNameLabel.setForeground(Color.black);
    lNameLabel.setForeground(Color.black);
    bgBalanceLabel.setForeground(Color.black);
}
```

I added code to change the colour for every label to change their colours for the corresponding option they picked. I added this because if the user switched from one option to another the red colour would have stayed the same so I needed to reset it.

```

public void actionPerformed(ActionEvent e)
{
    String amount, message;

    if (bankActivities.getSelectedIndex() == 0)
    {
        amount = amt.getText();
        message = easySave.transaction(1, acctNum.getText(), Double.parseDouble(amount));
        acctInfo.setText(message);
    }

    else if (bankActivities.getSelectedIndex() == 1)
    {
        amount = amt.getText();
        message = easySave.transaction(2, acctNum.getText(), Double.parseDouble(amount));
        acctInfo.setText(message);
    }

    else if (bankActivities.getSelectedIndex() == 2)
    {
        message = easySave.checkBalance(acctNum.getText());
        acctInfo.setText(message);
    }

    else if (bankActivities.getSelectedIndex() == 3)
    {
        amount = bgBalance.getText();
        message = easySave.addAccount(Double.parseDouble(amount), fName.getText(), lName.getText());
        acctInfo.setText("New Account ID: " + message);
    }

    else if (bankActivities.getSelectedIndex() == 4)
    {
        message = easySave.deleteAccount(acctNum.getText());
        acctInfo.setText(message);
    }
}

```

I then added an event to check when the user clicked the button it would do the correct operations for whatever option they picked. The text would also display the information about the transaction.

```

acctNum.setText("");
amt.setText("");
fName.setText("");
lName.setText("");
bgBalance.setText("");

```

Finally I added code to reset the text when the user clicked the button for the next option they wanted to do.