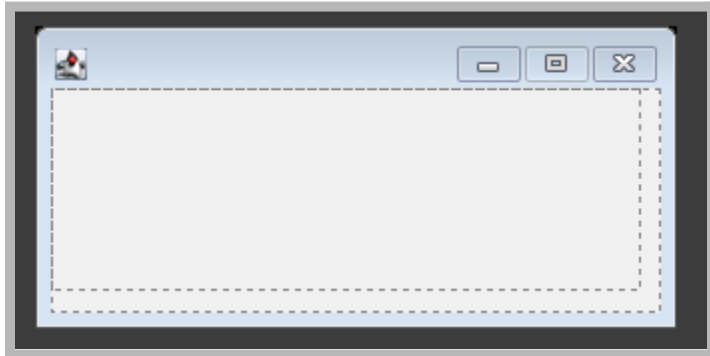


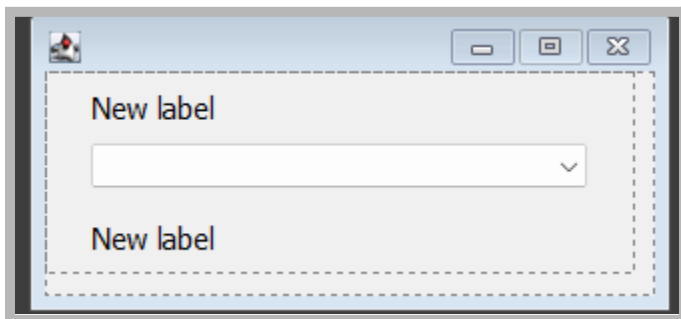
Credit Name: Computer Science 3

Assignment Name: MetricConversion

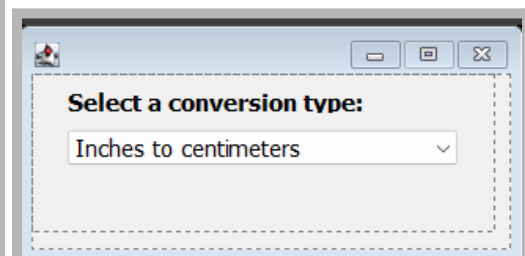
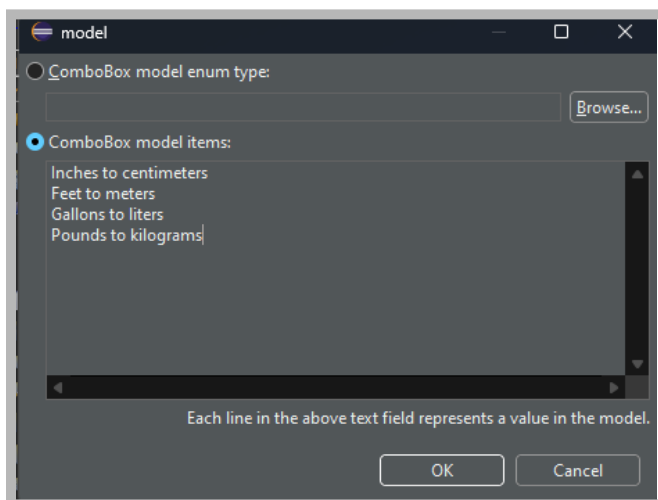
How has your program changed from planning to coding to now? Please explain?



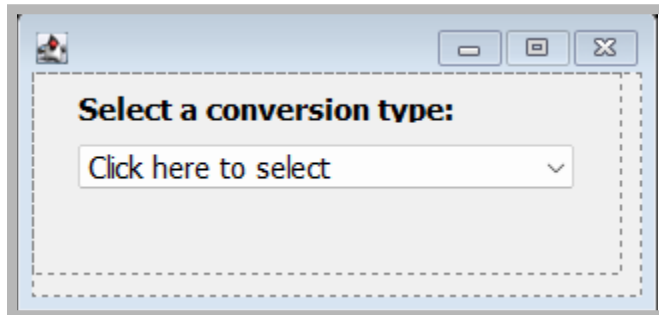
I started out by adding a panel to the window and modifying its size to be smaller.



I then added 2 labels and a combo box to display a prompt, an input, and the output. I also resized the fonts and their area to better fit in the window.



I also filled out each of the components with their corresponding information and changed the variable names to prompt, conversion, and disp.



I added another item to the combo box because I decided that I didn't want the program to automatically start on inches to centimeters. After this step I moved onto the selection code.

```
conversion.setModel(new DefaultComboBoxModel(new String[] { "Click h
conversion.addActionListener(new ActionListener() {

    public void actionPerformed(ActionEvent e)
    {

    }

});
```

I added an event to check if the user has selected an item so I could remove the "Click here to select" text when they select something. I also moved the array above the action so I can remove the text.

```
public void actionPerformed(ActionEvent e)
{
    if (conversion.getItemCount() >= 5)
    {
        conversion.removeItemAt(0);
    }
}
```

I then implemented code that would check how long the array is and then if it had 5 items it would remove the first one.

```
switch(conversion.getSelectedIndex())
{
    case 0:
        disp.setText("1 inch = 2.54 centimeters");
        break;

    case 1:
        disp.setText("1 foot = 0.3048 meters");
        break;

    case 2:
        disp.setText("1 gallon = 4.5461 liters");
        break;

    case 4:
        disp.setText("1 pound = 0.4536 kilograms");
        break;
}
```

After that I added a switch statement to figure out which conversion the user selected. The program would then display the correct formula.

