

Practical No. 11

Aim:- Create, debug and execute program based on applet using Icons and Labels, Text fields, Buttons, Combo Boxes

Theory :-

Icon - Swing components can be decorated with an icon - a fixed sized picture. An icon is an object that addresses to the icon interface. Swing provides a particularly useful implementation of the icon interface.

for ex:- `ImageIcon icon = new ImageIcon("path");`

Text Field - A text Field is a basic text control that enables the user to type a small amount of text. When you want more than one line of input from user, use a text area.

Combo boxes - The object of choice class is used to show pop-up menu of choices. Choices selected by user is shown on the top of menu.

Constructors :

- `JComboBox()`
- `JComboBox (Object[] items)`
- `JComboBox (Vector <??> items)`

```
import java.awt.*;
import java.awt.event.*;
import java.applet.*;
import javax.swing.*;
import javax.swing.JFrame;

/*
</applet code="login"
*/
public class login extends JFrame implements ActionListener
{
    //Heading
    Label h1 = new Label("Welcome Folks");
    Label l1=new Label("StromTropper ID : ");

    Label l3=new Label(" "); //form submitted
    TextField t1=new TextField();
    //TextField t2=new TextField();
    Button b=new Button("submit");
    //combo box for bias
    Label c1=new Label("Rebell Base: ");
    String branches[]={ "5251977","Cassidode VI rebel outpost","Crait outpost","Dantooine base","Resistance base","Tak-Beam complex","Hope Station","Horox III rebel outpost"};
    JComboBox cb=new JComboBox(branches);
    //checkbox for ShadowTropper ScoutTropper
    Label cb1=new Label("You are a : ");
    Checkbox checkbox1 = new Checkbox("ShadowTropper");
    Checkbox checkbox2 = new Checkbox("ScoutTropper");
    //icon
    Image icon = Toolkit.getDefaultToolkit().getImage("C://Users//manda//Desktop//spaceship.jpg");
    //Image
    JLabel img1;

    public login()
    {

        //Image
        img1 = new JLabel(new ImageIcon("C:/Users/manda/Desktop/tropper1.png"));
        img1.setBounds(35, 35, 400, 325);

        //font for heading
        Font headFont = new Font("Serif",Font.BOLD,20);
```

```
//Heading
h1.setBounds(150,390,180,50);
h1.setFont(headFont);

//set co-ordinates
l1.setBounds(35,475,100,30);
t1.setBounds(155,475,180,25);

//combo box
c1.setBounds(35, 510, 70, 30);
cb.setBounds(200,510,180,25);

setLayout(null);
//checkbox
cb1.setBounds(60, 540, 70, 50);
checkbox1.setBounds(140,540, 110,50);
checkbox2.setBounds(280,540, 90,50);
setLayout(null);
//button
b.setBounds(135,600,90,50);
b.addActionListener(this);

add(h1);
add(l1);
add(t1);
add(b);
add(l3);
add(c1);
add(cb);
add(cb1);
add(checkbox1);
add(checkbox2);
setIconImage(icon);
add(img1);

addWindowListener(new A());
}
public void actionPerformed(ActionEvent e)
{
    l3.setText("FORM SUBMITTED "+t1.getText());
}
public static void main(String s[])
```


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```
C:\Windows\System32\cmd.exe - java login
Microsoft Windows [Version 10.0.19042.1052]
(c) Microsoft Corporation. All rights reserved.

F:\Bhavin\Vith Sem\IT501E - Advanced Java\Practicals\Practical No.11>javac login.java
Note: login.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.

F:\Bhavin\Vith Sem\IT501E - Advanced Java\Practicals\Practical No.11>java login
```

Fan club



Welcome Folks

StormTrooper ID :

Rebell Base

Resistance base

You are a :

☒ ShadowTrooper

☐ ScoutTrooper

submit