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AUGMENTED EXPERIMENT

ATTENDANCE MANAGEMENT SYSTEM

Branch: CSE

Academic Year: 2022-2023

NAMES   **JNTU NO**

S.V.SAI POOJITHA   -   21341A05G1

Submitted to: Ms.Santhoshini Sahu

FACULTY SIGNATURE

AIM: To implement a java program for Attendance Management System.

DESCRIPTION: The attendance management system is a web application that will help to *manage the attendance of any Student or Employee in School, College, or Organization.* Where the admin can add the user and faculty record and the faculty can add the attendance for the student or employee.

Attendance management System is **advance Java project for tracking students attendance**. Talking about the project, it contains an admin side and a user side where a user can enter for attendance. The admin plays an important role in the management of this system. In this project, the user has to perform all the main functions from the admin side.

The **JCheckBox** class is used to create a checkbox. It is used to turn an option on (true) or off (false). Clicking on a CheckBox changes its state from "on" to "off" or from "off" to "on ".It inherits JToggleButton class.

- public class JCheckBox extends JToggleButton implements Accessible.
  It is used to create a Checkbox in the Container. It can get a value either true or false by checking and unchecking the checkbox.
- checked – returns true

•unchecked – returns false

- **setBounds** is used to set the bounds of the words,titles.

- **JLabel** is used to set the label for any components, things etc……
- Unlike Frame, JFrame has the option to hide or close the window with the help of setDefaultCloseOperation(int) method. Button is a component where click event gets triggered every time the user clicks and the corresponding method is called Java Swing Button. It is the most commonly used component for triggering events or actions and submitting forms in java swing application. In Java button class uses JButton abstract class. Whenever you create a graphical user interface with Java Swing functionality, you will need a container for your application. In the case of Swing, this container is called

 JLabel:
Label It is used to show text in the Container. It will displays text in the form of READONLY, which cannot be changed by the user directly. We need to create an instance of Label Class to create a Label. The Declaration of Label Class will be public class Button extends Component implements Accessible . It has 3 constructors:

1. Label() Creates an Empty Label.
2. Label(String labelname) : Creates a Label with labelname as parameter value.
3. Label(String labelname, int align) : Creates a Label with labelname as parameter .

4. proper alignments

The object of JLabel class is a component for placing text in a container. It is used to display a single line of read only text. The text can be changed by an application but a user cannot edit it directly. It inherits JComponent class.

- **SetFont** is used to set the font for the given data.
- **Button** A button is a labeled component when clicked performs an event. It is created by the Button class. When clicked it performs some action by sending an instance of Action Event by AWT. Action Event calls process Event on the action by calling the process Action Event method of its own. To do such things it needs to implement ActionListener.

JTextPane:

JTextPane is a subclass of JEditorPane class. JTextPane is used for styled document with embedded images and components. It is text component that can be marked up with attributes that are represented graphically. JTextPane uses a DefaultStyledDocument as its default model.

JDialog:
The JDialog control represents a top level window with a border and a title used to take some form of input from the user. It inherits the Dialog class.

PROGRAM:

```
import javax.swing.*; import
java.awt.*; import
java.awt.event.*; import
java.lang.Exception; import
java.awt.Font;
class CreateLoginForm extends JFrame implements ActionListener
{
JButton b1;  JPanel
newPanel; JLabel
userLabel, passLabel;
final JTextField  textField1, textField2;
CreateLoginForm()
{
userLabel = new JLabel();
userLabel.setText("Username"); textField1 =
new JTextField(15); passLabel = new JLabel();
passLabel.setText("Password"); textField2 = new
JPasswordField(15); b1 = new
JButton("SUBMIT"); newPanel = new JPanel(new
GridLayout(3, 1)); newPanel.add(userLabel);
newPanel.add(textField1);
newPanel.add(passLabel);
newPanel.add(textField2); newPanel.add(b1);
add(newPanel, BorderLayout.CENTER);
b1.addActionListener(this);
setTitle("LOGIN FORM");
}
public void actionPerformed(ActionEvent ae)
{
String userValue = textField1.getText(); String passValue
= textField2.getText();
if (userValue.equals("java@gmail.com") && passValue.equals("java"))
{
augment page = new augment();
page.setVisible(true);
JLabel wel_label = new JLabel("Welcome: "+userValue); page.getContentPane().add(wel_label);
}
```

```java
else
{
System.out.println("Please enter valid username and password");
}
}
}
class LoginFormDemo
{
public static void main(String args[])
{ try
{
CreateLoginForm form = new CreateLoginForm();
form.setSize(300,100);
form.setVisible(true);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(null, e.getMessage());
}
}
}
class augment extends JFrame implements ActionListener
{
JLabel l,l1,l2,l3,l4;
JCheckBox cb1,cb2,cb3,cb4,cb5,cb6,cb7,cb8,cb9,cb10;
JCheckBox cb11,cb12,cb13,cb14,cb15,cb16,cb17,cb18,cb19,cb20;
JCheckBox cb21,cb22,cb23,cb24,cb25,cb26,cb27,cb28,cb29,cb30;
JCheckBox cb31,cb32,cb33,cb34,cb35,cb36,cb37,cb38,cb39,cb40;
JButton b; augment()
{
l=new JLabel("C-Section");
l.setBounds(650,30,300,50);
l.setFont(new Font("Serif",Font.PLAIN,50)); cb1=new
JCheckBox("POOJITHA"); cb1.setBounds(150,200,150,20);
cb1.setFont(new Font("Serif",Font.PLAIN,20));
cb1.setSelected(true); cb2=new

JCheckBox("VARSHITHA");
cb2.setBounds(150,250,200,30);
cb2.setFont(new Font("Serif",Font.PLAIN,20));
```

```java
cb2.setSelected(true); cb3=new
JCheckBox("YAMINI");
cb3.setBounds(150,300,150,30);
cb3.setFont(new Font("Serif",Font.PLAIN,20));
cb3.setSelected(true); cb4=new
JCheckBox("ZUBEDHA");
cb4.setBounds(150,350,150,20);
cb4.setFont(new Font("Serif",Font.PLAIN,20));
cb4.setSelected(true); cb5=new
JCheckBox("MONIKA");
cb5.setBounds(150,400,150,30);
cb5.setFont(new Font("Serif",Font.PLAIN,20));
cb5.setSelected(true); cb6=new
JCheckBox("SRAVANI");
cb6.setBounds(150,450,250,30);
cb6.setFont(new Font("Serif",Font.PLAIN,20));
cb6.setSelected(true); cb7=new
JCheckBox("MOUNIKA");
cb7.setBounds(150,500,250,30);
cb7.setFont(new Font("Serif",Font.PLAIN,20));
cb7.setSelected(true); cb8=new
JCheckBox("PRASANNA");
cb8.setBounds(150,550,250,30);
cb8.setFont(new Font("Serif",Font.PLAIN,20));
cb8.setSelected(true); cb9=new
JCheckBox("BINDU");
cb9.setBounds(150,600,250,30);
cb9.setFont(new Font("Serif",Font.PLAIN,20));
cb9.setSelected(true); cb10=new
JCheckBox("HARIPRIYA");
cb10.setBounds(150,650,250,30);
cb10.setFont(new Font("Serif",Font.PLAIN,20));
cb10.setSelected(true); cb11=new
JCheckBox("ESWARI");
cb11.setBounds(550,200,200,30);
cb11.setFont(new Font("Serif",Font.PLAIN,20));
cb11.setSelected(true);

cb12=new JCheckBox("DURGADEVI");
cb12.setBounds(550,250,200,30); cb12.setFont(new
```

```java
Font("Serif",Font.PLAIN,20)); cb12.setSelected(true);
cb13=new JCheckBox("SAISREE");
cb13.setBounds(550,300,150,30); cb13.setFont(new
Font("Serif",Font.PLAIN,20)); cb13.setSelected(true);
cb14=new JCheckBox("YOGITHA");
cb14.setBounds(550,350,200,20); cb14.setFont(new
Font("Serif",Font.PLAIN,20)); cb14.setSelected(true);
cb15=new JCheckBox("MANASA");
cb15.setBounds(550,400,250,20); cb15.setFont(new
Font("Serif",Font.PLAIN,20)); cb15.setSelected(true);
cb16=new JCheckBox("MARY");
cb16.setBounds(550,450,200,30); cb16.setFont(new
Font("Serif",Font.PLAIN,20)); cb16.setSelected(true);
cb17=new JCheckBox("VASUDHA");
cb17.setBounds(550,500,200,30); cb17.setFont(new
Font("Serif",Font.PLAIN,20)); cb17.setSelected(true);
cb18=new JCheckBox("SIRISHA");
cb18.setBounds(550,550,200,30); cb18.setFont(new
Font("Serif",Font.PLAIN,20)); cb18.setSelected(true);
cb19=new JCheckBox("CHETHANA");
cb19.setBounds(550,600,200,30); cb19.setFont(new
Font("Serif",Font.PLAIN,20)); cb19.setSelected(true);
cb20=new JCheckBox("RESHMA");
cb20.setBounds(550,650,200,30); cb20.setFont(new
Font("Serif",Font.PLAIN,20)); cb20.setSelected(true);
cb21=new JCheckBox("SRAVANI");
cb21.setBounds(950,200,200,30);          cb21.setFont(new          Font("Serif",Font.PLAIN,20));
cb21.setSelected(true); cb22=new JCheckBox("SWATHI"); cb22.setBounds(950,250,200,30);

cb22.setFont(new Font("Serif",Font.PLAIN,20));
cb22.setSelected(true); cb23=new
JCheckBox("SOWMYA");
cb23.setBounds(950,300,200,30); cb23.setFont(new
Font("Serif",Font.PLAIN,20));
cb23.setSelected(true); cb24=new
JCheckBox("ASRITHA");
cb24.setBounds(950,350,200,30); cb24.setFont(new

Font("Serif",Font.PLAIN,20));
cb24.setSelected(true); cb25=new
JCheckBox("ROSHITHA");
```

```java
cb25.setBounds(950,400,200,30); cb25.setFont(new
Font("Serif",Font.PLAIN,20));
cb25.setSelected(true); cb26=new
JCheckBox("ANUSRI");
cb26.setBounds(950,450,200,30); cb26.setFont(new
Font("Serif",Font.PLAIN,20));
cb26.setSelected(true); cb27=new
JCheckBox("RAMADEVI");
cb27.setBounds(950,500,200,30); cb27.setFont(new
Font("Serif",Font.PLAIN,20));
cb27.setSelected(true); cb28=new
JCheckBox("HARIKA");
cb28.setBounds(950,550,200,30); cb28.setFont(new
Font("Serif",Font.PLAIN,20));
cb28.setSelected(true); cb29=new
JCheckBox("ROHINI");
cb29.setBounds(950,600,200,30); cb29.setFont(new
Font("Serif",Font.PLAIN,20));
cb29.setSelected(true); cb30=new
JCheckBox("PAVITHRA");
cb30.setBounds(950,650,200,30); cb30.setFont(new
Font("Serif",Font.PLAIN,20));
cb30.setSelected(true); cb31=new
JCheckBox("ARUNA");
cb31.setBounds(1350,200,200,30);
cb31.setFont(new Font("Serif",Font.PLAIN,20));
cb31.setSelected(true); cb32=new
JCheckBox("PADDU");
cb32.setBounds(1350,250,200,30);
cb32.setFont(new Font("Serif",Font.PLAIN,20));
cb32.setSelected(true);

cb33=new JCheckBox("NIKHILA");
cb33.setBounds(1350,300,200,30); cb33.setFont(new Font("Serif",Font.PLAIN,20));
cb33.setSelected(true);
cb34=new JCheckBox("NIKHITHA");
cb34.setBounds(1350,350,200,30); cb34.setFont(new Font("Serif",Font.PLAIN,20));
cb34.setSelected(true);
cb35=new JCheckBox("PAVANI");
```

```java
cb35.setBounds(1350,400,200,30); cb35.setFont(new Font("Serif",Font.PLAIN,20));
cb35.setSelected(true);
cb36=new JCheckBox("ANU");
cb36.setBounds(1350,450,250,30); cb36.setFont(new Font("Serif",Font.PLAIN,20));
cb36.setSelected(true);
cb37=new JCheckBox("SAI"); cb37.setBounds(1350,500,200,30);
cb37.setFont(new Font("Serif",Font.PLAIN,20));
cb37.setSelected(true);
cb38=new JCheckBox("DEVI");
cb38.setBounds(1350,550,200,30); cb38.setFont(new Font("Serif",Font.PLAIN,20));
cb38.setSelected(true);
cb39=new JCheckBox("YAMUNA");
cb39.setBounds(1350,600,200,30); cb39.setFont(new Font("Serif",Font.PLAIN,20));
cb39.setSelected(true);
cb40=new JCheckBox("KEERTHI");
cb40.setBounds(1350,650,200,30); cb40.setFont(new
Font("Serif",Font.PLAIN,20)); cb40.setSelected(true); b=new
JButton("OK");
b.setBounds(650,750,150,30);
b.setFont(new Font("Serif",Font.PLAIN,30));
b.addActionListener(this);
add(l);add(cb1);add(cb2);add(cb3);add(cb4);add(cb5);add(cb6);add(cb7);add(cb8);add(cb9);add(cb10
);add(cb11);add(cb12);
add(cb13);add(cb14);add(cb15);add(cb16);add(cb17);add(cb18);add(cb19);add(cb20);
add(cb21);add(cb22);add(cb23);add(cb24);add(cb25);add(cb26);add(cb27);add(cb28);add(cb29);add(
cb30);
add(cb31);add(cb32);add(cb33);add(cb34);add(cb35);add(cb36);add(cb37);add(cb38);add(cb39);add(
cb40);add(b);

setSize(400,400); setLayout(null);
setDefaultCloseOperation(EXIT_
ON_CLOSE); setTitle("Attendance
Management System");
setVisible(true);
}
public void actionPerformed(ActionEvent e)
{
int total=0; String msg="";
if(cb1.isSelected())
{
```

```java
total+=1;
msg+="present\n";
}
if(cb2.isSelected())
{
total+=1;  msg+="present\n";
}
if(cb3.isSelected())
{
total+=1; msg+="present\n";
}
if(cb4.isSelected())
{
total+=1;
msg+="present\n";
}
if(cb5.isSelected())
{
total+=1; msg+="present\n";
}
if(cb6.isSelected())
{
total+=1; msg+="present\n";
}
if(cb7.isSelected())

{
total+=1; msg+="present\n";
}
if(cb8.isSelected())
{
total+=1;  msg+="present\n";
}
if(cb9.isSelected())
{
total+=1;
msg+="present\n";
}
if(cb10.isSelected())
{
```

```java
total+=1;  msg+="present\n";
}
if(cb11.isSelected())
{
total+=1; msg+="present\n";
}
if(cb12.isSelected())
{
total+=1; msg+="present\n";
}
if(cb13.isSelected())
{
total+=1; msg+="present\n";
}
if(cb14.isSelected())
{
total+=1;
msg+="present\n";
}
if(cb15.isSelected())
{
total+=1;

msg+="present\n";
}
if(cb16.isSelected()) {  total+=1;
msg+="present\n";
}
if(cb17.isSelected())
{
total+=1;  msg+="present\n";
}
if(cb18.isSelected())
{
total+=1; msg+="present\n";
}

if(cb19.isSelected())
{
total+=1; msg+="present\n";
```

```java
}
if(cb20.isSelected())
{
total+=1; msg+="present\n";
}
if(cb21.isSelected())
{
total+=1;  msg+="present\n";
}
if(cb22.isSelected())
{
total+=1;
msg+="present\n";
}
if(cb23.isSelected())
{
total+=1;  msg+="present\n";
}

if(cb24.isSelected())
{
total+=1; msg+="present\n";
}
if(cb25.isSelected())
{
total+=1; msg+="present\n";
}
if(cb26.isSelected())
{
total+=1; msg+="present\n";
}
if(cb27.isSelected())
{
total+=1; msg+="present\n";
}
if(cb28.isSelected())
{
total+=1;
msg+="present\n";
}
```

```java
if(cb29.isSelected())
{
total+=1; msg+="present\n";
}
if(cb30.isSelected())
{
total+=1; msg+="present\n";
}
if(cb31.isSelected())
{
total+=1; msg+="present\n";
}
if(cb32.isSelected())
{

total+=1; msg+="present\n";
} if(cb33.isSelected())
{
total+=1; msg+="present\n";

} if(cb34.isSelected())

{
total+=1; msg+="present\n";
}
if(cb35.isSelected())
{
total+=1; msg+="present\n";
}
if(cb36.isSelected())
{
total+=1; msg+="present\n";
}
if(cb37.isSelected())
{
total+=1;
msg+="present\n";
}
if(cb38.isSelected())
{
total+=1; msg+="present\n";
}
```

```
if(cb39.isSelected())
{
total+=1; msg+="present\n";
}
if(cb40.isSelected())
{
total+=1; msg+="present\n";

}
JOptionPane.showMessageDialog(this,"presents: "+total+"\nabsents:"+(40-total));
}}
```

OUTPUT:

C-Section

☑ POOJITHA	☑ ESWARI	☑ SRAVANI	☑ ARUNA
☑ VARSHITHA	☑ DURGADEVI	☑ SWATHI	☑ PADDU
☑ YAMINI	☑ SAISREE	☑ SOWMYA	☑ NIKHILA
☑ ZUBEDHA	☑ YOGITHA	☑ ASRITHA	☑ NIKHITHA
☑ MONIKA	☑ MANASA	☑ ROSHITHA	☑ PAVANI
☑ SRAVANI	☑ MARY	☑ ANUSRI	☑ ANU
☑ MOUNIKA	☑ VASUDHA	☑ RAMADEVI	☑ SAI
☑ PRASANNA	☑ SIRISHA	☑ HARIKA	☑ DEVI
☑ BINDU	☑ CHETHANA	☑ ROHINI	☑ YAMUNA
☑ HARIPRIYA	☑ RESHMA	☑ PAVITHRA	☑ KEERTHI

OK