OBJECT ORIENTATED PROGRAMMING

JAVA AWT PROJECT

**NAME:** S.VEDHAVITHYA

**ROLL NO:** 22ITR115

**CLASS:** B.Tech IT-B

**YEAR:** Ist Year

**TOPIC:** Blood Donation System

CODE

|  |
| --- |
| import java.awt.\*; import java.awt.event.\*;  class one extends Frame { private Image backgroundImage; one() { Label la1=new Label("Already a User? "); Label la2=new Label("Create an Account "); Button bu1=new Button("SIGN IN"); Button bu2=new Button("SIGN UP");  bu1.setBounds(500,450,100,30); bu2.setBounds(500,500,100,30); la1.setBounds(350,450,100,30); la2.setBounds(350,500,100,30);  add(bu1); add(bu2); add(la1); add(la2);  setTitle("Blood Donation System"); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood7.jpg"); setVisible(true);  bu1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); two nextPage = new two(); nextPage.setVisible(true); } });  bu2.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); three nextPage = new three(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,0,0,getWidth(),getHeight(),this); super.paint(g); } }  class two extends Frame { private Image backgroundImage; two() { Label l1=new Label("USERNAME : "); Label l2=new Label("PASSWORD : "); Label l3=new Label("LOGIN PAGE"); TextField t1=new TextField(); TextField t2=new TextField(); Button b1=new Button("LOGIN"); Button b2=new Button("BACK");  l3.setFont(new Font("Arial",Font.BOLD,30)); l3.setAlignment(Label.CENTER); l3.setBounds(475,130,200,30); l3.setBackground(Color.RED); b1.setBounds(450,500,100,30); b2.setBounds(600,500,100,30); l1.setBounds(450,250,90,30); l2.setBounds(450,300,90,30); t1.setBounds(550,250,150,30); t2.setBounds(550,300,150,30);  add(b1); add(b2); add(l1); add(l2); add(l3); add(t1); add(t2);  setTitle("Login page"); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood3.jpg"); setVisible(true);  b1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); four nextPage = new four(); nextPage.setVisible(true); } });  b2.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); one nextPage = new one(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,0,0,getWidth(),getHeight(),this); super.paint(g); } }  class three extends Frame { private Image backgroundImage; three() { Label la3=new Label("SET USERNAME : "); Label la4=new Label("SET PASSWORD : "); Label la5=new Label("CONFIRM PASSWORD : "); Label l=new Label("ACCOUNT CREATION"); TextField ta3=new TextField(); TextField ta4=new TextField(); TextField ta5=new TextField(); Button bu3=new Button("Continue");  bu3.setBounds(300,490,100,30); la3.setBounds(200,290,130,30); la4.setBounds(200,340,130,30); la5.setBounds(200,390,130,30); ta3.setBounds(350,290,150,30); ta4.setBounds(350,340,150,30); ta5.setBounds(350,390,150,30); l.setFont(new Font("Arial",Font.BOLD,25)); l.setAlignment(Label.CENTER); l.setBounds(215,170,270,30);  add(bu3); add(ta3); add(ta4); add(la3); add(la4); add(la5); add(ta5); add(l);  setLayout(null); setTitle("Create an Account"); setSize(1920,1080); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood5.jpg"); setVisible(true);  bu3.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); two nextPage = new two(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,0,0,getWidth(),getHeight(),this); super.paint(g); } }  class four extends Frame { private Image backgroundImage; four() { Button b=new Button("Continue"); b.setBounds(600,440,100,30); add(b);  setTitle("Blood Groups"); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood9.jpeg"); setVisible(true);  b.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); five nextPage = new five(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,0,0,getWidth(),getHeight(),this); super.paint(g); } }  class five extends Frame { private Image backgroundImage; five() { Button b1=new Button("Add Donar"); Button b2=new Button("Delete Donar"); Button b3=new Button("Search Blood");  b1.setFont(new Font("Modern No. 20",Font.BOLD,20)); b2.setFont(new Font("Modern No. 20",Font.BOLD,20)); b3.setFont(new Font("Modern No. 20",Font.BOLD,20));  b1.setBounds(70,350,200,100); b2.setBounds(320,350,200,100); b3.setBounds(570,350,200,100);  add(b1); add(b2); add(b3);  setTitle("Selection"); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood6.jpg"); setVisible(true);  b1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); ten nextPage = new ten(); nextPage.setVisible(true); } });  b2.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); six nextPage = new six(); nextPage.setVisible(true); } });  b3.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); eight nextPage = new eight(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,0,0,getWidth(),getHeight(),this); super.paint(g); } }  class six extends Frame { six() { Label l1=new Label(" Enter Donar name: "); Label l2=new Label("Enter Donar ID: "); Label l3=new Label("Donar Deletion "); TextField t1=new TextField(); TextField t2=new TextField(); Button b1=new Button("DELETE"); Button b2=new Button("BACK");  l3.setFont(new Font("Algerian",Font.BOLD,40)); l3.setAlignment(Label.CENTER); l3.setBounds(410,130,300,40); l3.setBackground(Color.PINK); b1.setBounds(420,500,100,30); b2.setBounds(600,500,100,30); l1.setBounds(410,250,120,30); l1.setBackground(Color.PINK); l2.setBounds(415,300,120,30); l2.setBackground(Color.PINK); t1.setBounds(550,250,150,30); t2.setBounds(550,300,150,30);  add(b1); add(b2); add(l1); add(l2); add(l3); add(t1); add(t2);  setTitle("Donar Deletion"); setSize(1920,1080); setBackground(Color.PINK); setLayout(null); setVisible(true);  b1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); seven nextPage = new seven(); nextPage.setVisible(true); } });  b2.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); five nextPage = new five(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); } }  class seven extends Frame { seven() { Label l=new Label("Deleted Succesfully : )"); Button b=new Button("BACK");  l.setFont(new Font("Algerian",Font.BOLD,40)); l.setAlignment(Label.CENTER); l.setBounds(400,130,500,50); b.setBounds(600,400,100,30); l.setBackground(Color.PINK);  add(l); add(b);  setTitle("Delete Donar"); setSize(1920,1080); setLayout(null); setVisible(true); setBackground(Color.PINK);  b.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); five nextPage = new five(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); } }  class eight extends Frame { eight() { Label l1=new Label(" Enter Name: "); Label l2=new Label("Enter Mobile No: "); Label l4=new Label("Enter Mail-Id: "); Label l5=new Label("Blood Group: "); Label l3=new Label("Search Blood"); TextField t1=new TextField(); TextField t2=new TextField(); TextField t3=new TextField(); Button b1=new Button("SEARCH"); Button b2=new Button("BACK");  l3.setFont(new Font("Algerian",Font.BOLD,40)); l3.setAlignment(Label.CENTER); l3.setBounds(410,130,300,40); l3.setBackground(Color.PINK); b1.setBounds(420,570,100,30); b2.setBounds(600,570,100,30); l1.setBounds(410,250,120,30); l1.setBackground(Color.PINK); l2.setBounds(412,300,120,30); l2.setBackground(Color.PINK); l4.setBounds(410,350,120,30); l5.setBounds(410,400,120,30); t1.setBounds(550,250,150,30); t2.setBounds(550,300,150,30); t3.setBounds(550,350,150,30);  add(b1); add(b2); add(l1); add(l2); add(l3); add(t1); add(t2); add(l4); add(t3); add(l5);  Choice m=new Choice(); m.setBounds(550,400,150,30); m.add("Blood Group"); m.add("A+"); m.add("A-"); m.add("B+"); m.add("B-"); m.add("O+"); m.add("O-"); m.add("AB+"); m.add("AB-");  add(m);  setTitle("Search Blood"); setSize(1920,1080);  setBackground(Color.PINK); setLayout(null); setVisible(true);  b1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); nine nextPage = new nine(); nextPage.setVisible(true); } });  b2.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); five nextPage = new five(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); } }  class nine extends Frame { nine() { Label l=new Label("If there is a stack for your Blood,Mail will be "); Label l1=new Label("send to your Mail-Id or Call will be made to you : )"); Button b=new Button("BACK");  l.setFont(new Font("Algerian",Font.BOLD,20)); l1.setFont(new Font("Algerian",Font.BOLD,20)); l.setBounds(400,200,500,50); l1.setBounds(380,250,500,50); b.setBounds(550,400,100,30); l.setBackground(Color.PINK); l1.setBackground(Color.PINK);  add(l); add(b); add(l1);  setTitle("Search Blood"); setSize(1920,1080); setLayout(null); setVisible(true); setBackground(Color.PINK);  b.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); five nextPage = new five(); nextPage.setVisible(true); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); } }  class ten extends Frame { private Image backgroundImage; ten() { Label l=new Label("Donar Details"); l.setFont(new Font("Algerian",Font.ITALIC,25)); l.setAlignment(Label.CENTER); l.setBounds(100,70,270,30); add(l);  Label l1=new Label("Donar name: "); Label l2=new Label("Father's name: "); Label l3=new Label("Mother's name: "); Label l4=new Label("Gender: "); Label l5=new Label("Mobile No: "); Label l6=new Label("Mail-Id: "); Label l7=new Label("Date of Birth: "); Label l8=new Label("Blood Group: "); TextField t=new TextField(); TextField t1=new TextField(); TextField t2=new TextField(); TextField t3=new TextField(); TextField t4=new TextField(); Button b=new Button("NEXT"); Button b1=new Button("CLEAR");  CheckboxGroup cb=new CheckboxGroup(); Checkbox c1=new Checkbox("Male",cb,false); c1.setBounds(200,300,60,30); Checkbox c2=new Checkbox("Female",cb,false); c2.setBounds(270,300,130,30);  Choice m=new Choice(); m.setBounds(200,505,130,30); m.add("Blood Group"); m.add("A+"); m.add("A-"); m.add("B+"); m.add("B-"); m.add("O+"); m.add("O-"); m.add("AB+"); m.add("AB-");  add(m);  l1.setBounds(50,150,100,30); l2.setBounds(50,200,100,30); l3.setBounds(50,250,100,30); l4.setBounds(50,300,100,30); l5.setBounds(50,350,100,30); l6.setBounds(50,400,100,30); l7.setBounds(50,450,100,30); l8.setBounds(50,500,100,30); b.setBounds(120,600,70,30); b1.setBounds(210,600,70,30); t.setBounds(200,150,130,30); t1.setBounds(200,200,130,30); t2.setBounds(200,250,130,30); t3.setBounds(200,350,130,30); t4.setBounds(200,400,130,30);  add(l1); add(l2); add(l3); add(l4); add(l5); add(l6); add(l7); add(l8); add(b); add(b1); add(t); add(t1); add(t2); add(t3); add(t4); add(c1); add(c2);  List q=new List(32); List r=new List(13); List s=new List(20); q.setBounds(200,455,50,19); r.setBounds(250,455,60,19); s.setBounds(310,455,50,19);  q.add("Date"); q.add("01"); q.add("02"); q.add("03"); q.add("04"); q.add("05"); q.add("06"); q.add("07"); q.add("08"); q.add("09"); q.add("10"); q.add("11"); q.add("12"); q.add("13"); q.add("14"); q.add("15"); q.add("16"); q.add("17"); q.add("18"); q.add("19"); q.add("20"); q.add("21"); q.add("22"); q.add("23"); q.add("24"); q.add("25"); q.add("26"); q.add("27"); q.add("28"); q.add("29"); q.add("30"); q.add("31");  r.add("Month"); r.add("Jan"); r.add("Feb"); r.add("Mar"); r.add("Apr"); r.add("May"); r.add("Jun"); r.add("Jul"); r.add("Aug"); r.add("Sep"); r.add("Oct"); r.add("Nov"); r.add("Dec");  s.add("Year"); s.add("2023"); s.add("2022"); s.add("2021"); s.add("2020"); s.add("2019"); s.add("2018"); s.add("2017"); s.add("2016"); s.add("2015"); s.add("2014"); s.add("2013"); s.add("2012"); s.add("2011"); s.add("2010"); s.add("2009"); s.add("2008"); s.add("2007"); s.add("2006"); s.add("2005"); s.add("2004"); s.add("2003"); s.add("2002"); s.add("2001"); s.add("2000"); s.add("1999"); s.add("1998");  add(q); add(r); add(s);  setTitle("Add Donar"); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood4.jpg"); setVisible(true);  b.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); eleven nextPage = new eleven(); nextPage.setVisible(true); } });  b1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { t.setText(""); t1.setText(""); t2.setText(""); t3.setText(""); t4.setText(""); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,600,0,getWidth(),getHeight(),this); super.paint(g); } }  class eleven extends Frame { private Image backgroundImage; eleven() { Label l=new Label("Donar Details"); l.setFont(new Font("Algerian",Font.ITALIC,25)); l.setAlignment(Label.CENTER); l.setBounds(100,70,270,30); add(l);  Label l1=new Label("City: "); Label l2=new Label("State: "); Label l3=new Label("Country: "); Label l4=new Label("Address: "); Label l5=new Label("Covid-19 Plasma Donar: "); Label l6=new Label("If U have other disease: "); Label l7=new Label("If Yes,Enter the disease: "); TextField t1=new TextField(); TextField t2=new TextField(); TextField t3=new TextField(); TextArea t4=new TextArea(); TextField t5=new TextField(); Button b=new Button("SAVE"); Button b1=new Button("BACK"); Button b2=new Button("CLEAR");  CheckboxGroup cb=new CheckboxGroup(); Checkbox c1=new Checkbox("Yes",cb,false); c1.setBounds(230,455,60,30); Checkbox c2=new Checkbox("No",cb,false); c2.setBounds(300,455,130,30);  CheckboxGroup cb1=new CheckboxGroup(); Checkbox c3=new Checkbox("Yes",cb1,false); c3.setBounds(230,510,60,30); Checkbox c4=new Checkbox("No",cb1,false); c4.setBounds(300,510,130,30);  l1.setBounds(80,148,100,50); l2.setBounds(80,198,100,50); l3.setBounds(80,248,100,50); l4.setBounds(80,298,100,50); l5.setBounds(60,445,160,50); l6.setBounds(60,500,160,50); l7.setBounds(60,550,160,50); t1.setBounds(200,155,130,30); t2.setBounds(200,205,130,30); t3.setBounds(200,255,130,30); t4.setBounds(200,305,130,100); t5.setBounds(230,550,130,30); b.setBounds(90,630,60,30); b1.setBounds(170,630,60,30); b2.setBounds(250,630,60,30);  add(l1); add(l2); add(l3); add(l4); add(l5); add(l6); add(l7); add(t1); add(t2); add(t3); add(t4); add(t5); add(c1); add(c2); add(c3); add(c4); add(b); add(b1); add(b2);  setTitle("Add Donar "); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood4.jpg"); setVisible(true);  b.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); twelve nextPage = new twelve(); nextPage.setVisible(true); } });  b1.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { dispose(); ten nextPage = new ten(); nextPage.setVisible(true); } });  b2.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { t5.setText(""); t1.setText(""); t2.setText(""); t3.setText(""); t4.setText(""); } });  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,600,0,getWidth(),getHeight(),this); super.paint(g); } }  class twelve extends Frame { private Image backgroundImage; Frame frame; twelve() { Label l=new Label("Submitted Succesfully : )"); Button b=new Button("OK"); l.setFont(new Font("Algerian",Font.BOLD,30)); l.setAlignment(Label.CENTER);  l.setBounds(460,150,355,30); b.setBounds(600,590,70,30);  add(l); add(b);  setTitle("Saved"); setSize(1920,1080); setLayout(null); backgroundImage=Toolkit.getDefaultToolkit().getImage("blood8.png"); setVisible(true);  addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { dispose(); } });  b.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { Label label=new  Label("Thank you! Your Blood will Save Someones Life :)"); Dialog d1= new Dialog(frame,"Submitted",true); d1.addWindowListener(new WindowAdapter() { public void windowClosing(WindowEvent e) { d1.dispose(); } });  d1.add(label); d1.pack();  d1.setBounds(500,300,300,300); d1.setLayout(null); d1.setSize(300,100); d1.setVisible(true); } }); }  public void paint(Graphics g) { g.drawImage(backgroundImage,0,0,getWidth(),getHeight(),this); super.paint(g); } }  class vv { public static void main(String args[]) { one o=new one(); } }  OUTPUT  Sign in & Sign up Page :      Account Creation Page :    Login Page :    Blood Types Page :    Selection Page :    Search Blood page :    After Clicking Search :    After Clicking Back :    Delete Donor Page :    After Clicking Delete :    After Clicking Back :    Add Donor Page :      After Clicking Next :    After Clicking Save :    Thank You Page :    THANK YOU |