# CS14 608(P) MINI PROJECT

## Automated OP Counter Management System

### SOURCE CODE

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This project aims at reducing the human efforts at the OP counters of three units the Oncology Department, Chest Pulmonary Medicine, ART of Government Medical College-Thrissur. By this project, we create a software platform where the administrator can do the registration, record keeping and token generation for all the patients under a single system. Also, we aim at storing the data so that profiles of the patients are accessible to the doctors, counter staffs and others if needed to view, update the data, thus reducing human efforts and time to get a controlled flow of patients.

# CS14 608(P) MINI PROJECT

## Automated OP Counter Management System - (AOCMS)

SOURCE CODE

**FRAME NUMBER: 1**
**FRAME NAME:** Main.java
**CODE:**

```java
package AOCMS;

import java.awt.*;
import java.io.IOException;
import java.io.PrintWriter;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.ImageIcon;

public class Main extends javax.swing.JFrame {
    public Main() {
        initComponents();
                }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents()
{
    jLabel3 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setBackground(new java.awt.Color(0, 0, 0));
    setUndecorated(true);

        addComponentListener(new java.awt.event.ComponentAdapter()
         {
        public void componentShown(java.awt.event.ComponentEvent evt)
                {
```

```java
            formComponentShown(evt);
                }
        });
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    jLabel3.setIcon(new javax.swing.ImageIcon("D:\\Desktop\\AOCMS\\src\\AOCMS\\logo
small.png"));        getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 290, 260));

    jLabel2.setIcon(new
javax.swing.ImageIcon("D:\\Desktop\\AOCMS\\src\\AOCMS\\imageedit_4_3159285746.png"));
getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 220, 210, 160));

    jLabel1.setBackground(new java.awt.Color(0, 0, 0));
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/wallpaper.jpg")));
    jLabel1.setOpaque(true);
    jLabel1.addMouseListener(new java.awt.event.MouseAdapter()
        {        public void mouseClicked(java.awt.event.MouseEvent evt) { jLabel1MouseClicked(evt);
}
        });
    getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, -80, 700,
460));

    setSize(new java.awt.Dimension(521, 378));
    setLocationRelativeTo(null);
        }
private void formComponentShown(java.awt.event.ComponentEvent evt)
{
        ImageIcon imageIcon = new ImageIcon("a.jpg"); //logo
        Image image = imageIcon.getImage();
        Image newimg = image.getScaledInstance(120, 120,  java.awt.Image.SCALE_SMOOTH);
        imageIcon = new ImageIcon(newimg);
    try {   Thread.sleep(2000); //keeps the frame for 2 seconds and then changes the frame automatically
}
    catch (InterruptedException ex)
        { Logger.getLogger(Main.class.getName()).log(Level.SEVERE, null, ex); }
    option option = new option(); //opens option frame
    option.setVisible(true);
    this.dispose();
            //refresh token for next day
        String timeStamp = new SimpleDateFormat("HH").format(Calendar.getInstance().getTime());
```

```java
        int time=Integer.parseInt(timeStamp); //check if the time is between working hours : 5:00am to
3:00pm
        if(time>15||time<05)
        {
           try{
           PrintWriter writer = new PrintWriter("token.txt", "UTF-8");
           writer.println("0");
           writer.close();
               } catch (IOException e) { }
        }
    }
    private void jLabel1MouseClicked(java.awt.event.MouseEvent evt) {
    }
    public static void main(String args[])
  {
        try {
                for (javax.swing.UIManager.LookAndFeelInfo info :
        javax.swing.UIManager.getInstalledLookAndFeels()) {
                    if ("Nimbus".equals(info.getName())) {
                        javax.swing.UIManager.setLookAndFeel(info.getClassName());
                        break;                                }        }
            }
        catch (ClassNotFoundException ex) {
         java.util.logging.Logger.getLogger(Main.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
         java.util.logging.Logger.getLogger(Main.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
         java.util.logging.Logger.getLogger(Main.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
         java.util.logging.Logger.getLogger(Main.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
           public void run() {
```

```java
                new Main().setVisible(true);
            }
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    // End of variables declaration
}
```

**FRAME NUMBER: 2**
**FRAME NAME:** option.java
**CODE:**

```java
package AOCMS;

import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;
import java.io.PrintWriter;
import javax.swing.JOptionPane;

public class option extends javax.swing.JFrame
{
static int tokenvalue;
    public option()
        {
                initComponents();
         }


    public option(int tokenvalue)
        {
                initComponents();
                String tok="";
                try (BufferedReader br1 = new BufferedReader(new FileReader("token.txt")))
                {
                        String stoken;
                        while ((stoken = br1.readLine()) != null)
                        {      tok=stoken;    }

                } catch (IOException e) {
                        e.printStackTrace();
                                        }
                    tokenvalue=Integer.parseInt(tok);
                     option.tokenvalue=tokenvalue;
        }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```java
private void initComponents()
{

    jPanel4 = new javax.swing.JPanel();
    jLabel23 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel5 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    token2 = new javax.swing.JLabel();
    token6 = new javax.swing.JLabel();
    jSeparator8 = new javax.swing.JSeparator();
    token5 = new javax.swing.JLabel();
    jLabel15 = new javax.swing.JLabel();
    token3 = new javax.swing.JLabel();
    jLabel14 = new javax.swing.JLabel();
    jLabel21 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    token = new javax.swing.JLabel();
    token1 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel24 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jLabel18 = new javax.swing.JLabel();
    jLabel17 = new javax.swing.JLabel();
    jLabel16 = new javax.swing.JLabel();
    jLabel25 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setUndecorated(true);
    addComponentListener(new java.awt.event.ComponentAdapter() {
        public void componentShown(java.awt.event.ComponentEvent evt) {
            formComponentShown(evt);
                }
            });
    getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    jPanel4.setBackground(new java.awt.Color(0, 0, 0));
    jPanel4.setForeground(new java.awt.Color(153, 153, 153));
    jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```java
        jLabel23.setFont(new java.awt.Font("Times New Roman", 1, 14));
        jLabel23.setForeground(new java.awt.Color(204, 204, 204));
        jLabel23.setText("| Powered By:  Vidya Academy Of Science And Technology, Thalakkottukara
Thrissur |");
        jPanel4.add(jLabel23, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 0, 570, 20));

        getContentPane().add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 660, 1060,
20));
        jPanel1.setBackground(new java.awt.Color(153, 255, 153));
        jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel5.setFont(new java.awt.Font("PMingLiU-ExtB", 0, 48));
        jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/medlogo.png")));
        jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 10, 100, 110));
        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/vidya2.png")));
        jPanel1.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(920, 20, 180, 130));
        jPanel1.add(refresh, new org.netbeans.lib.awtextra.AbsoluteConstraints(1180, 600, 30, 30));
        token2.setFont(new java.awt.Font("High Tower Text", 0, 24));
        token2.setForeground(new java.awt.Color(102, 0, 0));
        token2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

        token2.setText("Tokens Taken");
        jPanel1.add(token2, new org.netbeans.lib.awtextra.AbsoluteConstraints(480, 420, 210, -1));
        token6.setFont(new java.awt.Font("High Tower Text", 0, 24));
        token6.setForeground(new java.awt.Color(102, 0, 0));
        token6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        token6.setText("Exisiting Patient ");
        jPanel1.add(token6, new org.netbeans.lib.awtextra.AbsoluteConstraints(790, 420, 210, -1));
        jPanel1.add(jSeparator8, new org.netbeans.lib.awtextra.AbsoluteConstraints(420, 160, 340, 10));
        token5.setFont(new java.awt.Font("High Tower Text", 0, 24));
        token5.setForeground(new java.awt.Color(102, 0, 0));
        token5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        token5.setText("Analysis");
        jPanel1.add(token5, new org.netbeans.lib.awtextra.AbsoluteConstraints(470, 600, 210, -1));
        jLabel15.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/old.png")));
        jLabel15.setToolTipText("<html>\nclick here to:<br>\n1) View an Existing Patient record<br>\n2)
Create a    Token<br>\n3) Update/Edit saved records<br>\n</html>");
        jLabel15.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel15MouseClicked(evt);
            }
```

```java
        });
        jPanel1.add(jLabel15, new org.netbeans.lib.awtextra.AbsoluteConstraints(760, 190, 240, 220));
        token3.setFont(new java.awt.Font("High Tower Text", 0, 24));
        token3.setForeground(new java.awt.Color(102, 0, 0));
        token3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        token3.setText("New Patient");
        jPanel1.add(token3, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 420, 310, -1));
        jLabel14.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/analysis.png")));
        jLabel14.setToolTipText("<html>\nClick here to:<br>\n1) See complete analysis of patient
recordst<br>\n2) Save it to MS Excel <br>\n</html>");


        jLabel14.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
               jLabel14MouseClicked(evt);
            }
        });
        jPanel1.add(jLabel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(500, 450, 150, 150));
        jLabel21.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/new.png")));
        jLabel21.setToolTipText("<html> Click here to:<br> 1) Register a New Patient<br> 2) Create a
Token<br> 3) Produce an OP Ticket<br> </html>");
        jLabel21.addMouseListener(new java.awt.event.MouseAdapter() {
           public void mouseClicked(java.awt.event.MouseEvent evt) {
              jLabel21MouseClicked(evt);
           }
        });
        jPanel1.add(jLabel21, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 180, 260, 250));
        jLabel3.setFont(new java.awt.Font("Poor Richard", 0, 36));
        jLabel3.setForeground(new java.awt.Color(0, 51, 102));
        jLabel3.setText("Automated OP Counter Management System");
        jPanel1.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 110, -1, -1));
        token.setBackground(new java.awt.Color(102, 18, 25));
        token.setFont(new java.awt.Font("Tempus Sans ITC", 1, 60));
        token.setForeground(new java.awt.Color(0, 153, 153));
        token.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        token.setToolTipText("Number of tokens taken today");
        jPanel1.add(token, new org.netbeans.lib.awtextra.AbsoluteConstraints(470, 200, 210, 220));
        token1.setFont(new java.awt.Font("High Tower Text", 0, 24));
        token1.setForeground(new java.awt.Color(102, 0, 0));
        token1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```java
      token1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/tok.gif")));
      jPanel1.add(token1, new org.netbeans.lib.awtextra.AbsoluteConstraints(450, 190, 250, 230));
      jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/logo.png")));
      jPanel1.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(520, 0, 140, 120));
      jLabel2.setBackground(new java.awt.Color(0, 102, 102));
      jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/1.jpg")));
      jLabel2.addComponentListener(new java.awt.event.ComponentAdapter() {
         public void componentShown(java.awt.event.ComponentEvent evt) {
            jLabel2ComponentShown(evt);
         }
      });
      jPanel1.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 0, 1060, 630));
      jLabel24.addMouseListener(new java.awt.event.MouseAdapter() {
         public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel24MouseClicked(evt);
         }      });
      jPanel1.add(jLabel24, new org.netbeans.lib.awtextra.AbsoluteConstraints(210, 170, 290, 280));
      getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(-50, 30, 1110,
630));
      jPanel3.setBackground(new java.awt.Color(0, 0, 0));
      jPanel3.setForeground(new java.awt.Color(153, 153, 153));
      jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
      jLabel18.setBackground(new java.awt.Color(204, 204, 204));
      jLabel18.setFont(new java.awt.Font("Verdana", 0, 18));
      jLabel18.setForeground(new java.awt.Color(204, 204, 204));
      jLabel18.setText("| _ ");
      jLabel18.setToolTipText("Minimize the screen");
      jLabel18.addMouseListener(new java.awt.event.MouseAdapter() {
         public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel18MouseClicked(evt);
         }
      });
      jPanel3.add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(990, 0, 40, 30));
      jLabel17.setFont(new java.awt.Font("Times New Roman", 1, 14));
      jLabel17.setForeground(new java.awt.Color(204, 204, 204));
      jLabel17.setText("| AOCMS |");
      jPanel3.add(jLabel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 100, 30));
      jLabel16.setBackground(new java.awt.Color(204, 204, 204));
      jLabel16.setFont(new java.awt.Font("Verdana", 0, 18));
      jLabel16.setForeground(new java.awt.Color(204, 204, 204));
```

```java
    jLabel16.setText("| X |");
    jLabel16.setToolTipText("Exit AOCMS");
    jLabel16.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jLabel16MouseClicked(evt);
       }
    });
    jPanel3.add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(1020, 0, 60, 30));
    jLabel25.setFont(new java.awt.Font("Times New Roman", 1, 14));
    jLabel25.setForeground(new java.awt.Color(204, 204, 204));
    jLabel25.setText("| Government Medical College, Mulankunnathukavu  Thrissur |");
    jPanel3.add(jLabel25, new org.netbeans.lib.awtextra.AbsoluteConstraints(310, 0, 410, 30));
    getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1060, 30));
    pack();
    setLocationRelativeTo(null);
  }// </editor-fold>

private void formComponentShown(java.awt.event.ComponentEvent evt)
{
    String tok="";
    try(BufferedReader br = new BufferedReader(new FileReader("token.txt")))
      {
                    String sCurrentLine;
                    while ((sCurrentLine = br.readLine()) != null)
          {           tok=sCurrentLine;     }

        } catch (IOException e)
      {        e.printStackTrace();    }
      tokenvalue=Integer.parseInt(tok);
      if(tokenvalue>=1)
      {        token.setText("0");    }
      token.setText(""+tokenvalue);
  }

private void jLabel14MouseClicked(java.awt.event.MouseEvent evt)
{
    analysis an=new analysis();
    an.setVisible(true);
    this.setVisible(false);
 }
```

```java
private void jLabel16MouseClicked(java.awt.event.MouseEvent evt)
        {       System.exit(0);                 }

private void jLabel18MouseClicked(java.awt.event.MouseEvent evt)
        {       setState(ICONIFIED) }

  private void jLabel21MouseClicked(java.awt.event.MouseEvent evt)
{

    NewPatient np=new NewPatient();
     new NewPatient(tokenvalue).setVisible(true);
     this.setVisible(false);
}

private void jLabel15MouseClicked(java.awt.event.MouseEvent evt)
{

    OldPatient op=new OldPatient();
    new OldPatient(tokenvalue).setVisible(true);
    this.setVisible(false);
}

  public static void main(String args[])
{
     try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
          if ("Nimbus".equals(info.getName())) {
             javax.swing.UIManager.setLookAndFeel(info.getClassName());
             break;
          }
        }
     } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(option.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
     } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(option.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
     } catch (IllegalAccessException ex) {
```

```java
java.util.logging.Logger.getLogger(option.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(option.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new option().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel15;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel18;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel21;
    private javax.swing.JLabel jLabel23;
    private javax.swing.JLabel jLabel24;
    private javax.swing.JLabel jLabel25;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JSeparator jSeparator8;
    private javax.swing.JLabel refresh;
    private javax.swing.JLabel token;
    private javax.swing.JLabel token1;
```

```java
    private javax.swing.JLabel token2;
    private javax.swing.JLabel token3;
    private javax.swing.JLabel token5;
    private javax.swing.JLabel token6;
    // End of variables declaration
}
```

**FRAME NUMBER: 3**
**FRAME NAME:** NewPatient.java
**CODE:**

```java
package AOCMS;

import AOCMS.option;
import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.Statement;
import java.sql.ResultSet;
import java.awt.Color;
import java.awt.Graphics;
import java.awt.Graphics2D;
import javax.swing.JOptionPane;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.print.PageFormat;
import java.awt.print.Printable;
import static java.awt.print.Printable.NO_SUCH_PAGE;
import static java.awt.print.Printable.PAGE_EXISTS;
import java.awt.print.PrinterException;
import java.awt.print.PrinterJob;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;
import java.io.PrintWriter;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import javax.swing.Timer;

public class NewPatient extends javax.swing.JFrame implements Printable {
Connection cn=null;
Statement st=null;
ResultSet rs=null;
String sql="";

String gender="",Category="";
int tokenvalue;
```

```java
public NewPatient()
        {
         initComponents();
        }
public NewPatient(int tokenvalue)  //constructor to take token value passed from option frame
        {
            initComponents();
            this.tokenvalue=tokenvalue;
        }
  @Override   //print the token and opticket
   public int print(Graphics g, PageFormat pf, int page) throws PrinterException {

     if (page > 0) { /* We have only one page, and 'page' is zero-based */
        return NO_SUCH_PAGE;
     }
     Graphics2D g2d = (Graphics2D)g;
     g2d.translate(pf.getImageableX(), pf.getImageableY());

   g.drawString("     GOVERNMENT MEDICAL COLLEGE" ,100,100);
   g.drawString("               Mulankunnathukavu," ,100,110);
   g.drawString("               Thrissur, 680531" ,100,120);
   g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,125);
   g.drawString("                  |  OP TICKET |      ",100,135);
   g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,147);
   g.drawString("NAME: "+name.getText(),100,155);
   g.drawString("AGE : "+age.getText(),100,165);
   g.drawString("SEX : "+gender+"                  OP UNIT: "+op_unit.getSelectedItem(),100,175);
   g.drawString("DATE: "+date.getText(),100,185);
   g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,190);
   g.drawString("OP NUMBER    :"+op_display.getText(),100,200);
   if(Category.equals("Oncology"))
   {g.drawString("CR NUMBER    :"+cr_display.getText(),100,210);}
   g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,215);
   g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,500);
   g.drawString(     "       Vidya Academy of Science & Technology ",100,510 );
   g.drawString(     "            P.O. Thalakottukara",100,520 );
   g.drawString(     "          Thrissur, Kerala 680501",100,530);
   g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,540);
 //--------------------------------------------------------------------------------------------------------
  if(Category.equals("Oncology"))
```

```java
        {
        g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,575);
        g.drawString("     GOVERNMENT MEDICAL COLLEGE" ,100,600);
        g.drawString("                    Mulankunnathukavu," ,100,610);
        g.drawString("                    Thrissur, 680531" ,100,620);
        g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,625);
        g.drawString(op_unit.getSelectedItem()+"        |   TOKEN   |
DATE:"+date.getText(),100,635);
        g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,645);
        g.drawString("NAME :"+name.getText(),100,655);
        g.drawString("AGE :"+age.getText(),100,665);
        g.drawString("CR NUMBER:"+cr_display.getText()+   "            |OP
NUMBER:"+op_display.getText(),100,675);
        g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,685);
        g.drawString("               TOKEN NUMBER  :"+(tokenvalue),100,700);
        g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,715);
        g.drawString("    Vidya Academy of Science & Technology",100,725);
        g.drawString(      "                P.O. Thalakottukara ",100,735 );
        g.drawString(      "                  Thrissur-680501",100,745 );
        g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,755);
        } return PAGE_EXISTS;
        }

    public class progress implements ActionListener
    {
        public void actionPerformed(ActionEvent evt)
        {
          int n=jProgressBar1.getValue();
          if(n<100)
          {
             n++;
          }
           else
        {
          timer.stop();
          jProgressBar1.setMaximum(0);

        option op=new option();
         try{
    PrintWriter writer = new PrintWriter("token.txt", "UTF-8");
```

```java
writer.println(tokenvalue);
writer.close();
        }
    catch (IOException e) {}
  new option(tokenvalue).setVisible(true);
  dispose(); }
  jProgressBar1.setValue(n);
    }
}

@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

  buttonGroup1 = new javax.swing.ButtonGroup();
  buttonGroup2 = new javax.swing.ButtonGroup();
  jPanel3 = new javax.swing.JPanel();
  jLabel18 = new javax.swing.JLabel();
  jLabel17 = new javax.swing.JLabel();
  jLabel16 = new javax.swing.JLabel();
  jLabel25 = new javax.swing.JLabel();
  jPanel1 = new javax.swing.JPanel();
  jLabel14 = new javax.swing.JLabel();
  jLabel3 = new javax.swing.JLabel();
  jLabel6 = new javax.swing.JLabel();
  jLabel7 = new javax.swing.JLabel();
  jLabel8 = new javax.swing.JLabel();

  jLabel9 = new javax.swing.JLabel();
  jLabel1 = new javax.swing.JLabel();
  jLabel15 = new javax.swing.JLabel();
  jLabel12 = new javax.swing.JLabel();
  jLabel10 = new javax.swing.JLabel();
  jProgressBar1 = new javax.swing.JProgressBar();
  jPanel2 = new javax.swing.JPanel();
  token = new javax.swing.JLabel();
  token1 = new javax.swing.JLabel();
  sep1 = new javax.swing.JSeparator();
  name = new javax.swing.JTextField();
  label1 = new javax.swing.JLabel();
```

```java
label2 = new javax.swing.JLabel();
label5 = new javax.swing.JLabel();
sep2 = new javax.swing.JSeparator();
phone_no = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
address = new javax.swing.JTextArea();
label3 = new javax.swing.JLabel();
date = new javax.swing.JTextField();
label9 = new javax.swing.JLabel();
sep3 = new javax.swing.JSeparator();
age = new javax.swing.JTextField();
label4 = new javax.swing.JLabel();
male = new javax.swing.JRadioButton();
female = new javax.swing.JRadioButton();
jPanel4 = new javax.swing.JPanel();
label6 = new javax.swing.JLabel();
label8 = new javax.swing.JLabel();
op_unit = new javax.swing.JComboBox<>();
reference = new javax.swing.JComboBox<>();
label10 = new javax.swing.JLabel();
label7 = new javax.swing.JLabel();
Casuality = new javax.swing.JRadioButton();

op_list = new javax.swing.JComboBox<>();
OP = new javax.swing.JRadioButton();
Speciality = new javax.swing.JRadioButton();
speciality_list = new javax.swing.JComboBox<>();
jLabel11 = new javax.swing.JLabel();
jPanel5 = new javax.swing.JPanel();
op_display = new javax.swing.JLabel();
op_text = new javax.swing.JLabel();
cr_display = new javax.swing.JLabel();
cr_text = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jPanel7 = new javax.swing.JPanel();
jLabel23 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```java
setUndecorated(true);
addComponentListener(new java.awt.event.ComponentAdapter() {
    public void componentShown(java.awt.event.ComponentEvent evt) {
        formComponentShown(evt);
    }
});
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowOpened(java.awt.event.WindowEvent evt) {
        formWindowOpened(evt);
    }
});
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jPanel3.setBackground(new java.awt.Color(0, 0, 0));
jPanel3.setForeground(new java.awt.Color(153, 153, 153));
jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jLabel18.setBackground(new java.awt.Color(204, 204, 204));
jLabel18.setFont(new java.awt.Font("Verdana", 0, 18));
jLabel18.setForeground(new java.awt.Color(204, 204, 204));
jLabel18.setText("| _ |");
jLabel18.setToolTipText(" Minimize the screen");
jLabel18.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel18MouseClicked(evt);
    }
});
jPanel3.add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(990, 0, 40, 30));
jLabel17.setFont(new java.awt.Font("Times New Roman", 1, 14));
jLabel17.setForeground(new java.awt.Color(204, 204, 204));
jLabel17.setText("| AOCMS | NEW PATIENT |");
jPanel3.add(jLabel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 190, 30));
jLabel16.setBackground(new java.awt.Color(204, 204, 204));
jLabel16.setFont(new java.awt.Font("Verdana", 0, 18));
jLabel16.setForeground(new java.awt.Color(204, 204, 204));
jLabel16.setText("| X |");
jLabel16.setToolTipText("Exit from AOCMS");
jLabel16.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel16MouseClicked(evt);
    }
});
```

```java
    jPanel3.add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(1020, 0, 60, 30));
    jLabel25.setFont(new java.awt.Font("Times New Roman", 1, 14));
    jLabel25.setForeground(new java.awt.Color(204, 204, 204));
    jLabel25.setText("| Government Medical College , Mulankunnathukavu Thrissur |");
    jPanel3.add(jLabel25, new org.netbeans.lib.awtextra.AbsoluteConstraints(330, 0, 400, 30));
    getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1070, 30));
    jPanel1.setBackground(new java.awt.Color(0, 102, 51));
    jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
    jLabel14.setFont(new java.awt.Font("PMingLiU-ExtB", 0, 48));
    jPanel1.add(jLabel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 20, 100, -1));
    jLabel3.setFont(new java.awt.Font("Poor Richard", 0, 36));
    jLabel3.setForeground(new java.awt.Color(51, 0, 0));
    jLabel3.setText("Automated OP Counter Management System");
    jPanel1.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 130, -1, -1));

    jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AOCMS/1491425454_back_on_top.png")));
    jLabel6.setToolTipText("Back to the Main Page");
    jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jLabel6MouseClicked(evt);
       }
    });
    jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 560, 30, 50));
    jLabel7.setFont(new java.awt.Font("Times New Roman", 0, 14));
    jLabel7.setText("Back");
    jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 600, -1, -1));

    jLabel8.setBackground(new java.awt.Color(51, 51, 51));
    jLabel8.setFont(new java.awt.Font("Times New Roman", 0, 24));
    jLabel8.setForeground(new java.awt.Color(51, 51, 51));
    jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel8.setText("Save and Generate Token");
    jLabel8.setToolTipText("To save patient record and to produce token");
    jLabel8.setBorder(javax.swing.BorderFactory.createEtchedBorder(new java.awt.Color(102, 102,
102), new java.awt.Color(0, 0, 0)));
    jLabel8.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
    jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jLabel8MouseClicked(evt);
```

```java
        }
      });
      jPanel1.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(400, 570, 260, 50));
      jLabel9.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AOCMS/1491430428_Backspace_erase_delete_back.
png")));      jLabel9.setToolTipText("Clear the selections & texts completely");
      jLabel9.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
          jLabel9MouseClicked(evt);
        }
      });
      jPanel1.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(680, 560, 50, 50));
      jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/logo.png")));
      jPanel1.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(460, 10, 140, 120));
      jLabel15.setFont(new java.awt.Font("PMingLiU-ExtB", 0, 48));

      jLabel15.setIcon(new
javax.swing.ImageIcon("D:\\Desktop\\AOCMS\\src\\AOCMS\\medlogo.png"));
jPanel1.add(jLabel15, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 10, 100, 120));

      jLabel12.setIcon(new
javax.swing.ImageIcon("D:\\Desktop\\AOCMS\\src\\AOCMS\\vidya2.png"));
jPanel1.add(jLabel12, new org.netbeans.lib.awtextra.AbsoluteConstraints(830, 20, 180, 130));

      jLabel10.setFont(new java.awt.Font("Times New Roman", 0, 14));
      jLabel10.setText("Clear");
      jLabel10.setToolTipText("Clear the selections & texts completely");
      jPanel1.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(680, 600, -1, -1));
      jProgressBar1.setBackground(new java.awt.Color(51, 51, 51));
      jProgressBar1.setForeground(new java.awt.Color(51, 0, 0));
      jPanel1.add(jProgressBar1, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 180, 520, 10));
      jPanel2.setBackground(new java.awt.Color(204, 204, 204));
      jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

      token.setBackground(new java.awt.Color(102, 18, 25));
      token.setFont(new java.awt.Font("Tahoma", 1, 60));
      token.setForeground(new java.awt.Color(0, 102, 102));
      token.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
      token.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 3, true));
      jPanel2.add(token, new org.netbeans.lib.awtextra.AbsoluteConstraints(320, 10, 150, 180));
```

```java
token1.setFont(new java.awt.Font("High Tower Text", 0, 16));
token1.setText("Token Number");
jPanel2.add(token1, new org.netbeans.lib.awtextra.AbsoluteConstraints(350, 160, 110, -1));
sep1.setForeground(new java.awt.Color(0, 0, 0));
jPanel2.add(sep1, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 40, 210, 10));
name.setBackground(new java.awt.Color(204, 204, 204));
name.setFont(new java.awt.Font("Times New Roman", 0, 18));
name.setBorder(null);

name.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        nameFocusGained(evt);
    }
});
name.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nameActionPerformed(evt);
    }
});
jPanel2.add(name, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 20, 210, 30));
label1.setFont(new java.awt.Font("Georgia", 0, 16));
label1.setText("Name:");
jPanel2.add(label1, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 20, -1, -1));
label2.setFont(new java.awt.Font("Georgia", 0, 16));
label2.setText("Phone No:");
jPanel2.add(label2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 50, -1, -1));
label5.setFont(new java.awt.Font("Georgia", 0, 16));
label5.setText("Address: ");
jPanel2.add(label5, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 190, -1, -1));
sep2.setForeground(new java.awt.Color(0, 0, 0));
jPanel2.add(sep2, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 70, 210, 10));
phone_no.setBackground(new java.awt.Color(204, 204, 204));
phone_no.setFont(new java.awt.Font("Times New Roman", 0, 18));
phone_no.setBorder(null);

phone_no.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        phone_noFocusGained(evt);
```

```java
        }
      });
      phone_no.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
          phone_noActionPerformed(evt);
        }
      });
      jPanel2.add(phone_no, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 50, 210, 30));
      address.setBackground(new java.awt.Color(204, 204, 204));
      address.setColumns(20);
      address.setFont(new java.awt.Font("Times New Roman", 0, 18));
      address.setLineWrap(true);
      address.setRows(3);
      address.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(102, 18, 25)));
      address.addFocusListener(new java.awt.event.FocusAdapter() {
        public void focusGained(java.awt.event.FocusEvent evt) {
          addressFocusGained(evt);
        }
      });
      jScrollPane1.setViewportView(address);
      jPanel2.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 210, 390, -1));
      label3.setFont(new java.awt.Font("Georgia", 0, 16));
      label3.setText("Age:");
      jPanel2.add(label3, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 80, -1, -1));
      date.setBackground(new java.awt.Color(204, 204, 204));
      date.setFont(new java.awt.Font("Times New Roman", 0, 18));
      date.setBorder(null);
      date.addFocusListener(new java.awt.event.FocusAdapter() {
        public void focusGained(java.awt.event.FocusEvent evt) {
          dateFocusGained(evt);
        }
      });
      date.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
          dateActionPerformed(evt);
        }
      });
      jPanel2.add(date, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 150, 210, 30));

      label9.setFont(new java.awt.Font("Georgia", 0, 16));
```

```java
label9.setText("Date:");
jPanel2.add(label9, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 150, -1, -1));
sep3.setForeground(new java.awt.Color(0, 0, 0));
jPanel2.add(sep3, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 100, 140, 10));
age.setBackground(new java.awt.Color(204, 204, 204));
age.setFont(new java.awt.Font("Times New Roman", 0, 18));
age.setBorder(null);
age.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        ageFocusGained(evt);
    }
});
age.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ageActionPerformed(evt);
    }
});
jPanel2.add(age, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 80, 140, 30));
label4.setFont(new java.awt.Font("Georgia", 0, 16));
label4.setText("Gender: ");
jPanel2.add(label4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 110, -1, -1));
male.setBackground(new java.awt.Color(204, 204, 204));
buttonGroup1.add(male);
male.setFont(new java.awt.Font("High Tower Text", 0, 18));
male.setText("Male");
male.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        maleFocusGained(evt);
    }
});
male.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        maleActionPerformed(evt);
    }
});
jPanel2.add(male, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 110, -1, -1));
female.setBackground(new java.awt.Color(204, 204, 204));
buttonGroup1.add(female);
female.setFont(new java.awt.Font("High Tower Text", 0, 18));
female.setText("Female");
```

```java
        female.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusGained(java.awt.event.FocusEvent evt) {
                femaleFocusGained(evt);
            }
        });
        jPanel2.add(female, new org.netbeans.lib.awtextra.AbsoluteConstraints(170, 110, -1, -1));
        jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 220, 480, 340));
        jPanel4.setBackground(new java.awt.Color(204, 204, 204));
        jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        label6.setFont(new java.awt.Font("Georgia", 0, 16));
        label6.setText("OP Unit:");
        jPanel4.add(label6, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 30, -1, -1));
        label8.setFont(new java.awt.Font("Georgia", 0, 16));
        label8.setText("Reference:");
        jPanel4.add(label8, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 140, -1, -1));
        op_unit.setBackground(new java.awt.Color(204, 204, 204));
        op_unit.setFont(new java.awt.Font("High Tower Text", 0, 16));
        op_unit.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Oncology", "Chest
Pulmonary Medicine", "ART" }));
        op_unit.setSelectedIndex(-1);
        op_unit.addItemListener(new java.awt.event.ItemListener() {
            public void itemStateChanged(java.awt.event.ItemEvent evt) {
                op_unitItemStateChanged(evt);
            }
        });
        op_unit.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusGained(java.awt.event.FocusEvent evt) {
                op_unitFocusGained(evt);
            }
        });
        op_unit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                op_unitActionPerformed(evt);
            }
        });
        jPanel4.add(op_unit, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 30, 380, -1));
        reference.setBackground(new java.awt.Color(204, 204, 204));
        reference.setFont(new java.awt.Font("High Tower Text", 0, 16));
        reference.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Private",
"Government", "Others", "" }));
```

```java
reference.setSelectedIndex(-1);
reference.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        referenceFocusGained(evt);
    }
});
jPanel4.add(reference, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 140, 380, -1));
label10.setFont(new java.awt.Font("Georgia", 0, 16));
label10.setText("Diagnosis:");
jPanel4.add(label10, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 100, -1, -1));
label7.setFont(new java.awt.Font("Georgia", 0, 16));
label7.setText("Category:");
jPanel4.add(label7, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 61, -1, 30));
Casuality.setBackground(new java.awt.Color(204, 204, 204));
buttonGroup2.add(Casuality);
Casuality.setFont(new java.awt.Font("High Tower Text", 0, 18));
Casuality.setText("Casuality");
Casuality.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        CasualityFocusGained(evt);
    }
});
Casuality.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CasualityActionPerformed(evt);
    }
});
jPanel4.add(Casuality, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 60, 120, 40));
op_list.setBackground(new java.awt.Color(204, 204, 204));
op_list.setFont(new java.awt.Font("High Tower Text", 0, 14));
op_list.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "NULL",
"LYMPHOMA (NHL, DLBCL,HODGKIN'S DISEASE)", "SARCOMA (SYNOVIAL SARCOMA,
LIPOSARCOMA)", "MALIGNANT MELANOMA", "SKIN", "LEUKEMIA(ALL, AML, CML,CLL)",
"LUNG(BRONCHOGENIC CARCINOMA)", "ESOPHAGUS", "STOMACH\t", "GE JUNCTION",
"OG JUNCTION", "CAECUM", "RECTUM", "RECTOSIGMOID", "ANAL CANAL", "ANUS",
"COLON", "BLADDER(GALL BLADDER, URINARY BLADDER)", "PROSTATE", "RENAL CELL
CARCINOMA(KIDNEY)", "TESTIS", "PENIS", "HEPATO CELLULAR CARCINOMA(LIVER)",
"PERIAMPULLARY CARCINOMA (BILE DUCT)", "MULTIPLE MYELOMA", "UNKNOWN
PRIMARY", "INTESINES(SMALL INTESTINE, LARGE INTESTINE)", "THYROID GLAND", " "
}));
```

```
op_list.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        op_listMouseClicked(evt);
    }
});
op_list.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        op_listActionPerformed(evt);
    }
});
jPanel4.add(op_list, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 100, 380, -1));
OP.setBackground(new java.awt.Color(204, 204, 204));
buttonGroup2.add(OP);
OP.setFont(new java.awt.Font("High Tower Text", 0, 18));
OP.setText("OP");
OP.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        OPFocusGained(evt);
    }
});
OP.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        OPActionPerformed(evt);
    }
});
jPanel4.add(OP, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 60, 80, 40));
Speciality.setBackground(new java.awt.Color(204, 204, 204));
buttonGroup2.add(Speciality);
Speciality.setFont(new java.awt.Font("High Tower Text", 0, 18));
Speciality.setText("Speciality");
Speciality.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        SpecialityFocusGained(evt);
    }
});
Speciality.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SpecialityActionPerformed(evt);
    }
});
```

```java
jPanel4.add(Speciality, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 50, 120, 60));
speciality_list.setBackground(new java.awt.Color(204, 204, 204));
speciality_list.setFont(new java.awt.Font("High Tower Text", 0, 14));
speciality_list.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "NULL",
"LIP", "ORAL CAVITY- TONGUE", "ORAL CAVITY- FLOOR OF MOUTH", "ORAL CAVITY-
PALATE", "ORAL CAVITY- CHEEK MUCOSA", "ORAL CAVITY-  BUCCAL MUCOSA",
"ORAL CAVITY-  RETROMOLAR AREA", "PHARYNX- TONSIL", "PHARYNX-  UVULA",
"PHARYNX- VALLECULA", "PHARYNX- OROPHARYNX", "PHARYNX-  NASOPHARYNX",
"PHARYNX- PYRIFORM SINUS", "PHARYNX- POST CRICOID", "PHARYNX-
HYPOPHARYNX", "LARYNX-  EPIGLOTTIS", "LARYNX-   GLOTTIS", "LARYNX-
SUPRAGLOTTIS", "NASAL CAVITY", " MAXILLARY SINUS", "PAROTID GLAND",
"SUBMANDIBULAR GLAND", "SUBLINGUAL GLAND", "SALIVARY GLAND", "VULVA",
"VAGINA", "CERVIX", "ENDOMETRIUM", "UTERUS", "OVARY", "FALLOPIAN TUBE",
"PLACENTA", "BREAST ", "BRAIN- ASTROCYTOMA", "BRAIN- GLIOBLASTOMA
MULTIFORME", "BRAIN- MEDULOBLASTOMA", " " }));
speciality_list.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        speciality_listMouseClicked(evt);
    }       });
speciality_list.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        speciality_listActionPerformed(evt);
    }
});
jPanel4.add(speciality_list, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 100, 380, -1));
jPanel4.add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(380, 180, -1, -1));
jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 220, 480, 200));
jPanel5.setBackground(new java.awt.Color(204, 204, 204));
jPanel5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
op_display.setBackground(new java.awt.Color(102, 18, 25));
op_display.setFont(new java.awt.Font("Tahoma", 1, 36));
op_display.setForeground(new java.awt.Color(0, 51, 153));
op_display.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
op_display.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 3, true));
jPanel5.add(op_display, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 10, 220, 110));
op_text.setFont(new java.awt.Font("High Tower Text", 0, 16));
op_text.setText("OP Number");
jPanel5.add(op_text, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 90, 110, -1));
cr_display.setBackground(new java.awt.Color(102, 18, 25));
cr_display.setFont(new java.awt.Font("Tahoma", 1, 36));
```

```java
        cr_display.setForeground(new java.awt.Color(0, 51, 153));
        cr_display.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        cr_display.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 3, true));
        jPanel5.add(cr_display, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 10, 220, 110));
        cr_text.setFont(new java.awt.Font("High Tower Text", 0, 16));
        cr_text.setText("CR Number");
        jPanel5.add(cr_text, new org.netbeans.lib.awtextra.AbsoluteConstraints(320, 90, 110, -1));
        jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 430, 480, 130));
        jLabel2.setBackground(new java.awt.Color(51, 51, 51));
        jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/ddd.jpg")));
        jLabel2.setOpaque(true);
        jPanel1.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1060, 660));
        jLabel4.setText("jLabel4");
        jPanel1.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(210, 0, -1, -1));
        jLabel5.setText("jLabel5");
        jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 0, -1, -1));
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 30, 1060, 630));
        jPanel7.setBackground(new java.awt.Color(0, 0, 0));
        jPanel7.setForeground(new java.awt.Color(153, 153, 153));
        jPanel7.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel23.setFont(new java.awt.Font("Times New Roman", 1, 14));
        jLabel23.setForeground(new java.awt.Color(204, 204, 204));
        jLabel23.setText("| Powered By: CSE-Vidya Academy Of Science And Technology, Thalakkottukara Thrissur |");
        jPanel7.add(jLabel23, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 0, 570, 20));
        getContentPane().add(jPanel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 660, 1160, 20));
        setSize(new java.awt.Dimension(1060, 680));
        setLocationRelativeTo(null);
    }// </editor-fold>
    private void jLabel18MouseClicked(java.awt.event.MouseEvent evt) {
        setState(ICONIFIED);
    }
    private void jLabel16MouseClicked(java.awt.event.MouseEvent evt) {
        System.exit(0);
    }
    private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {
        option op=new option();
        op.setVisible(true);
```

```java
        this.dispose();
    }
    private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {
        if(name.getText().equals(""))
        {JOptionPane.showMessageDialog(null,"Please enter the Patient's
name!","AOCMS",JOptionPane.ERROR_MESSAGE);}

        else if(age.getText().equals(""))
        { JOptionPane.showMessageDialog(null,"Please enter the Patient's
age!","AOCMS",JOptionPane.ERROR_MESSAGE);}

    else if(buttonGroup1.getSelection()==null)
        {JOptionPane.showMessageDialog(null,"Please enter the Patient's
gender!","AOCMS",JOptionPane.ERROR_MESSAGE);}

else if(address.getText().equals(""))
        { JOptionPane.showMessageDialog(null,"Please enter the Patient's
address!","AOCMS",JOptionPane.ERROR_MESSAGE);}

else if(op_unit.getSelectedIndex()==-1)
        {JOptionPane.showMessageDialog(null,"Please select the OP
Unit!","AOCMS",JOptionPane.ERROR_MESSAGE);}

 else if(buttonGroup2.getSelection()==null)
        {JOptionPane.showMessageDialog(null,"Please enter the Patient's
Category!","AOCMS",JOptionPane.ERROR_MESSAGE);}

 else if(reference.getSelectedIndex()==-1)
        {JOptionPane.showMessageDialog(null,"Please select the Referenced By
Details!","AOCMS",JOptionPane.ERROR_MESSAGE);}

        else
        {try
          {if(male.isSelected())
        {      jLabel4.setText("M");
            gender="Male";
        }
 else if(female.isSelected())
      {
         jLabel4.setText("F");
```

```java
        gender="Female";
    }

    if(op_unit.getSelectedItem().equals("Oncology")) Category="Oncology";
    if(phone_no.getText().equals(""))
        phone_no.setText("0");
    if(Casuality.isSelected())
    {   jLabel5.setText("Casuality");
        jLabel11.setText("NULL");
    }
    else if(OP.isSelected())
    {
        jLabel5.setText("OP");
        jLabel11.setText((String) op_list.getSelectedItem());
    }
    else if(Speciality.isSelected())
    {
        jLabel5.setText("Speciality");
        jLabel11.setText((String) speciality_list.getSelectedItem());
    }
    if(op_unit.getSelectedItem().equals("Oncology"))
{
    try{
    PrintWriter writer = new PrintWriter("crnumber.txt", "UTF-8");
    writer.println(cr_display.getText());
    writer.close();

}
    catch (IOException e) {}
}
    int ans=0;
        ans=JOptionPane.showConfirmDialog(null,"Press OK to save the record to the
database","AOCMS",
JOptionPane.YES_NO_OPTION);
        if(ans==JOptionPane.YES_OPTION)
        {
        if(cr_display.getText().equals("NULL"))
            {
```

```java
            sql="insert into patients
values("+"'"+name.getText()+"','"+cr_display.getText()+","+op_display.getText()+","+phone_no.getTex
t()+","+"'"+
address.getText()+"','"+age.getText()+"','"+date.getText()+"','"+date.getText()+"','"+jLabel5.getText()+"'
,'"+jLabel4.getText()+"','"+reference.getSelectedItem()+"','"+op_unit.getSelectedItem()+"','"+jLabel11.g
etText()+"');";
            }
         else
         {
             sql="insert into patients
values("+"'"+name.getText()+"','"+cr_display.getText()+"',"+op_display.getText()+","+phone_no.getTe
xt()+","+"'"+
address.getText()+"','"+age.getText()+"','"+date.getText()+"','"+date.getText()+"','"+jLabel5.getText()+"'
,'"+jLabel4.getText()+"','"+reference.getSelectedItem()+"','"+op_unit.getSelectedItem()+"','"+jLabel11.g
etText()+"');";
            }
st = cn.createStatement();
st.executeUpdate(sql);
sql="select * from patients;";
st=cn.createStatement();
rs=st.executeQuery(sql);

jLabel16.setVisible(false);
token.setVisible(false);
token1.setVisible(false);
if(op_unit.getSelectedItem().equals("Oncology"))
{
tokenvalue++;
token.setVisible(true);
token1.setVisible(true);
}
token.setText(""+tokenvalue);
PrinterJob job = PrinterJob.getPrinterJob();
     job.setPrintable(this);
     boolean ok = job.printDialog();
     if (ok) {
        try {
           job.print();
        } catch (PrinterException ex) { }
     }
```

```java
                timer.start();
            }
    }
    catch (Exception e)
        {JOptionPane.showMessageDialog(null,e.toString());}
            }
        }
    private void jLabel9MouseClicked(java.awt.event.MouseEvent evt) {
            name.setText("");
            phone_no.setText("");
            age.setText("");
            address.setText("");
            male.setSelected(false);
            date.setText("");
            female.setSelected(false);
            Casuality.setSelected(false);
            Speciality.setSelected(false);
            OP.setSelected(false);
            op_list.setVisible(false);
            speciality_list.setVisible(false);
            op_unit.setSelectedIndex(-1);
            reference.setSelectedIndex(-1);
            cr_display.setText("");
        }

    private void formWindowOpened(java.awt.event.WindowEvent evt) {
timer = new Timer(50,new progress());
        }

    private void formComponentShown(java.awt.event.ComponentEvent evt) {
            OP.setVisible(false);
            Casuality.setVisible(false);
            Speciality.setVisible(false);
                jLabel11.setVisible(false);
            op_list.setVisible(false);
            speciality_list.setVisible(false);
             try
             {
                Class.forName("java.sql.Driver");
```

```java
        cn=DriverManager.getConnection("jdbc:mysql://localhost:3306/aocms","root","amrutha1996*")
        ;
            sql="select * from patients;";
                st=cn.createStatement();
                rs=st.executeQuery(sql);
                rs.next();
                }
        catch(Exception e)
        {
                JOptionPane.showMessageDialog(null,e.toString());
        }
    String timeStamp = new SimpleDateFormat("yyyy-MM-
dd").format(Calendar.getInstance().getTime());
    date.setText(""+timeStamp);
    date.setEditable(false);
    token.setVisible(false);
    token1.setVisible(false);
        try
        {
        Class.forName("java.sql.Driver");
        cn=DriverManager.getConnection("jdbc:mysql://localhost:3306/aocms","root","amrutha1996*")
        ;
            sql="select * from patients;";
                st=cn.createStatement();
                rs=st.executeQuery(sql);
                rs.next();
        }

catch(Exception e)
{       JOptionPane.showMessageDialog(null,"Failed to add the record" ,"AOCMS",
JOptionPane.ERROR_MESSAGE);  }

        try
        {
                rs.last();
                 int op;
                op=Integer.parseInt(rs.getString("op_number"));
                op_display.setText(""+(op+1));
        }
```

```java
catch(Exception e)
{       JOptionPane.showMessageDialog(null,e.toString());        }
}

private void op_unitActionPerformed(java.awt.event.ActionEvent evt) {

        String crnumber="";
        String year = new SimpleDateFormat("yyyy").format(Calendar.getInstance().getTime());
 if(op_unit.getSelectedItem().equals("Chest Pulmonary Medicine") ||
op_unit.getSelectedItem().equals("ART") )
{
  OP.setVisible(true);
  Speciality.setVisible(false);
  Casuality.setVisible(true);
  cr_display.setText("NULL");
  op_list.setVisible(false);
  speciality_list.setVisible(false);
}
     else if(op_unit.getSelectedItem().equals("Oncology"))
{
  Speciality.setVisible(true);
  OP.setVisible(true);
  Casuality.setVisible(true);
  try (BufferedReader br1 = new BufferedReader(new FileReader("crnumber.txt")))
  {
    String crno;
       while ((crno = br1.readLine()) != null)
    {crnumber=crno;}
  }
  catch (IOException e)
  {e.printStackTrace();}

  String output = crnumber.substring(0, crnumber.indexOf('/'));
  int si=Integer.parseInt(output);
  cr_display.setText(""+(si+1)+"/"+year);
}
    }

private void CasualityActionPerformed(java.awt.event.ActionEvent evt) {
```

```java
            op_list.setVisible(false);
            speciality_list.setVisible(false);
    }

private void OPActionPerformed(java.awt.event.ActionEvent evt) {
if(op_unit.getSelectedItem().equals("ART")||op_unit.getSelectedItem().equals("Chest Pulmonary
Medicine"))
        {
            speciality_list.setVisible(false);
            op_list.setVisible(false);


        }
if(op_unit.getSelectedItem().equals("Oncology"))
        {
        speciality_list.setVisible(false);
        op_list.setVisible(true);
        }

    }

    private void SpecialityActionPerformed(java.awt.event.ActionEvent evt) {
if(op_unit.getSelectedItem().equals("ART")||op_unit.getSelectedItem().equals("Chest Pulmonary
Medicine"))
{
            speciality_list.setVisible(false);
            op_list.setVisible(false);


}
if(op_unit.getSelectedItem().equals("Oncology"))
{
        speciality_list.setVisible(true);
        op_list.setVisible(false);
}
    }

public static void main(String args[]) {
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
```

```java
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new NewPatient().setVisible(true);
    }
});
}
private Timer timer;
// Variables declaration - do not modify
private javax.swing.JRadioButton Casuality;
private javax.swing.JRadioButton OP;
private javax.swing.JRadioButton Speciality;
private javax.swing.JTextArea address;
private javax.swing.JTextField age;
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.ButtonGroup buttonGroup2;
private javax.swing.JLabel cr_display;
```

```java
private javax.swing.JLabel cr_text;
private javax.swing.JTextField date;
private javax.swing.JRadioButton female;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel7;
private javax.swing.JProgressBar jProgressBar1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JLabel label1;
private javax.swing.JLabel label10;
private javax.swing.JLabel label2;
private javax.swing.JLabel label3;
private javax.swing.JLabel label4;
private javax.swing.JLabel label5;
private javax.swing.JLabel label6;
private javax.swing.JLabel label7;
private javax.swing.JLabel label8;
private javax.swing.JLabel label9;
```

```java
    private javax.swing.JRadioButton male;
    private javax.swing.JTextField name;
    private javax.swing.JLabel op_display;
    private javax.swing.JComboBox<String> op_list;
    private javax.swing.JLabel op_text;
    private javax.swing.JComboBox<String> op_unit;
    private javax.swing.JTextField phone_no;
    private javax.swing.JComboBox<String> reference;
    private javax.swing.JSeparator sep1;
    private javax.swing.JSeparator sep2;
    private javax.swing.JSeparator sep3;
    private javax.swing.JComboBox<String> speciality_list;
    private javax.swing.JLabel token;
    private javax.swing.JLabel token1;
    // End of variables declaration
}
```

```
package AOCMS;

import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.Statement;
import java.sql.ResultSet;
import java.awt.*;
import AOCMS.option;
import java.awt.Color;
import javax.swing.JOptionPane;
import java.awt.event.ActionEvent;
import java.io.IOException;
import java.io.PrintWriter;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import javax.swing.Timer;
import java.awt.event.ActionListener;
import java.awt.print.PageFormat;
import java.awt.print.Printable;
import static java.awt.print.Printable.NO_SUCH_PAGE;
import static java.awt.print.Printable.PAGE_EXISTS;
import java.awt.print.PrinterException;
import java.awt.print.PrinterJob;

public class OldPatient extends javax.swing.JFrame  implements Printable {
Connection cn=null;
Statement st=null;
ResultSet rs=null;
String sql="";
int tokenvalue;
    public OldPatient()
        {
                initComponents();
        }

        public OldPatient(int tokenvalue)
```

```java
        {
                initComponents();
                this.tokenvalue=tokenvalue;
        }
    @Override
    public int print(Graphics g, PageFormat pf, int page) throws PrinterException {

        if (page > 0) { /* We have only one page, and 'page' is zero-based */
            return NO_SUCH_PAGE;
        }
        Graphics2D g2d = (Graphics2D)g;
        g2d.translate(pf.getImageableX(), pf.getImageableY());

    g.drawString("     GOVERNMENT MEDICAL COLLEGE" ,100,100);
    g.drawString("              Mulankunnathukavu," ,100,110);
    g.drawString("              Thrissur, 680531" ,100,120);
    g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,125);
    g.drawString(""+op_unit.getSelectedItem()+"         |   TOKEN   |      "+date.getText(),100,135);
    g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,147);
    g.drawString("NAME              :"+name.getText(),100,155);
    g.drawString("AGE               :"+age.getText(),100,165);
    g.drawString("CR NUMBER         :"+cr_number.getText(),100,175);
    g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,180);
    g.drawString("           TOKEN NUMBER  :"+(tokenvalue),100,190);
    g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,197);
    g.drawString("   Vidya Academy of Science & Technology",100,205);
    g.drawString(    "             P.O. Thalakottukara ",100,215 );
    g.drawString(    "                Thrissur-680501",100,225 );
    g.drawString("- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -",100,235);


        /* tell the caller that this page is part of the printed document */
        return PAGE_EXISTS;
     //  throw new UnsupportedOperationException("Not supported yet."); //To change body of generated
methods, choose Tools | Templates.
    }

    public class progress implements ActionListener
    {
```

```java
    public void actionPerformed(ActionEvent evt)
    {
       int n=jProgressBar1.getValue();
       if(n<100)
               {
                   n++;
               }
        else
    {
       timer.stop();
       jProgressBar1.setMaximum(0);
       option op=new option();
      try{
  PrintWriter writer = new PrintWriter("token.txt", "UTF-8");
  writer.println(tokenvalue);
  writer.close();

} catch (IOException e) {  }
     new option(tokenvalue).setVisible(true);
      dispose();
}
        jProgressBar1.setValue(n);
}
}

  @SuppressWarnings("unchecked")
  // <editor-fold defaultstate="collapsed" desc="Generated Code">
  private void initComponents() {

    bg1 = new javax.swing.ButtonGroup();
    buttonGroup1 = new javax.swing.ButtonGroup();
    jPanel3 = new javax.swing.JPanel();
    jLabel18 = new javax.swing.JLabel();
    jLabel17 = new javax.swing.JLabel();
    jLabel16 = new javax.swing.JLabel();
    jLabel25 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel14 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    update = new javax.swing.JLabel();
```

```java
jLabel3 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
print1 = new javax.swing.JLabel();
print = new javax.swing.JLabel();
clear = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jProgressBar1 = new javax.swing.JProgressBar();
save = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();
sep1 = new javax.swing.JSeparator();
name = new javax.swing.JTextField();
label1 = new javax.swing.JLabel();
label3 = new javax.swing.JLabel();
label4 = new javax.swing.JLabel();
label5 = new javax.swing.JLabel();
sep4 = new javax.swing.JSeparator();
phone = new javax.swing.JTextField();
sep3 = new javax.swing.JSeparator();
cr_number = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
address = new javax.swing.JTextArea();
label7 = new javax.swing.JLabel();
sep5 = new javax.swing.JSeparator();
op_number = new javax.swing.JTextField();
token = new javax.swing.JLabel();
token1 = new javax.swing.JLabel();
jPanel5 = new javax.swing.JPanel();
label8 = new javax.swing.JLabel();
label9 = new javax.swing.JLabel();
op_unit = new javax.swing.JComboBox<>();
reference = new javax.swing.JComboBox<>();
jPanel4 = new javax.swing.JPanel();
label10 = new javax.swing.JLabel();
male = new javax.swing.JRadioButton();
female = new javax.swing.JRadioButton();
label2 = new javax.swing.JLabel();
sep2 = new javax.swing.JSeparator();
date = new javax.swing.JTextField();
```

```java
label12 = new javax.swing.JLabel();
sep8 = new javax.swing.JSeparator();
sep7 = new javax.swing.JSeparator();
age = new javax.swing.JTextField();
previous_visit = new javax.swing.JTextField();
label6 = new javax.swing.JLabel();
label11 = new javax.swing.JLabel();
Casuality = new javax.swing.JRadioButton();
OP = new javax.swing.JRadioButton();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
op_list = new javax.swing.JComboBox<>();
label13 = new javax.swing.JLabel();
Speciality = new javax.swing.JRadioButton();
speciality_list = new javax.swing.JComboBox<>();
jLabel2 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jPanel7 = new javax.swing.JPanel();
jLabel23 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setUndecorated(true);
addComponentListener(new java.awt.event.ComponentAdapter() {
    public void componentShown(java.awt.event.ComponentEvent evt) {
        formComponentShown(evt);
    }
});
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowOpened(java.awt.event.WindowEvent evt) {
        formWindowOpened(evt);
    }
});
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jPanel3.setBackground(new java.awt.Color(0, 0, 0));
jPanel3.setForeground(new java.awt.Color(153, 153, 153));
jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jLabel18.setBackground(new java.awt.Color(204, 204, 204));
jLabel18.setFont(new java.awt.Font("Verdana", 0, 18));
jLabel18.setForeground(new java.awt.Color(204, 204, 204));
jLabel18.setText("| _ |");
```

```java
jLabel18.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel18MouseClicked(evt);
    }
});
jPanel3.add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(990, 0, 40, 30));
jLabel17.setFont(new java.awt.Font("Times New Roman", 1, 14));
jLabel17.setForeground(new java.awt.Color(204, 204, 204));
jLabel17.setText("| AOCMS | EXISTING PATIENT |");
jPanel3.add(jLabel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 240, 30));
jLabel16.setBackground(new java.awt.Color(204, 204, 204));
jLabel16.setFont(new java.awt.Font("Verdana", 0, 18));
jLabel16.setForeground(new java.awt.Color(204, 204, 204));
jLabel16.setText("| X |");
jLabel16.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel16MouseClicked(evt);
    }
});
jPanel3.add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(1020, 0, 50, 30));

jLabel25.setFont(new java.awt.Font("Times New Roman", 1, 14));
jLabel25.setForeground(new java.awt.Color(204, 204, 204));
jLabel25.setText("| Government Medical College, Mulankunnathukavu  Thrissur |");
jPanel3.add(jLabel25, new org.netbeans.lib.awtextra.AbsoluteConstraints(310, 0, 410, 30));
getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1060, -1));
jPanel1.setBackground(new java.awt.Color(0, 102, 51));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jLabel14.setFont(new java.awt.Font("PMingLiU-ExtB", 0, 48));
jLabel14.setIcon(new
javax.swing.ImageIcon("D:\\Desktop\\AOCMS\\src\\AOCMS\\medlogo.png"));
jPanel1.add(jLabel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 10, 100, 120));

jLabel12.setIcon(new
javax.swing.ImageIcon("D:\\Desktop\\AOCMS\\src\\AOCMS\\vidya2.png"));
jPanel1.add(jLabel12, new org.netbeans.lib.awtextra.AbsoluteConstraints(830, 20, 180, 130));
update.setBackground(new java.awt.Color(51, 51, 51));
update.setFont(new java.awt.Font("Times New Roman", 0, 24));
update.setForeground(new java.awt.Color(0, 0, 102));
update.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```java
    update.setText("Update");
    update.setBorder(javax.swing.BorderFactory.createEtchedBorder(new java.awt.Color(153, 153,
153), new java.awt.Color(153, 153, 153)));
    update.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
    update.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            updateMouseClicked(evt);
        }
    });
    jPanel1.add(update, new org.netbeans.lib.awtextra.AbsoluteConstraints(400, 580, 120, 50));
    jLabel3.setFont(new java.awt.Font("Poor Richard", 0, 36));
    jLabel3.setForeground(new java.awt.Color(51, 0, 0));
    jLabel3.setText("Automated OP Counter Management System");
    jPanel1.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(230, 130, -1, -1));
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/logo.png")));
    jPanel1.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(460, 10, 140, 120));

    jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AOCMS/1491425454_back_on_top.png")));
    jLabel6.setToolTipText("Back to the Main Page");
    jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel6MouseClicked(evt);
        }
    });
    jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(330, 580, 30, 50));

    jLabel7.setFont(new java.awt.Font("Times New Roman", 0, 14));
    jLabel7.setText("Back");
    jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(330, 620, -1, -1));
    print1.setBackground(new java.awt.Color(51, 51, 51));
    print1.setFont(new java.awt.Font("Times New Roman", 0, 24));
    print1.setForeground(new java.awt.Color(0, 0, 102));
    print1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    print1.setText("Print");
    print1.setBorder(javax.swing.BorderFactory.createEtchedBorder(new java.awt.Color(153, 153,
153), new java.awt.Color(153, 153, 153)));
    print1.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
    print1.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```java
          print1MouseClicked(evt);
        }
      });
      jPanel1.add(print1, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 580, 120, 50));
      print.setBackground(new java.awt.Color(51, 51, 51));
      print.setFont(new java.awt.Font("Times New Roman", 0, 24));
      print.setForeground(new java.awt.Color(0, 0, 102));
      print.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
      print.setText("Print");
      print.setBorder(javax.swing.BorderFactory.createEtchedBorder(new java.awt.Color(153, 153, 153),
new java.awt.Color(153, 153, 153)));
      print.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
      print.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
          printMouseClicked(evt);
        }
      });
      jPanel1.add(print, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 580, 120, 50));

      clear.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AOCMS/1491430428_Backspace_erase_delete_back.
png")));
      clear.setToolTipText("Clear the selections & texts completely");
      clear.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
          clearMouseClicked(evt);
        }
      });
      jPanel1.add(clear, new org.netbeans.lib.awtextra.AbsoluteConstraints(690, 580, 50, 50));
      jLabel10.setFont(new java.awt.Font("Times New Roman", 0, 14));
      jLabel10.setText("Clear");
      jPanel1.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(690, 620, -1, -1));
      jProgressBar1.setBackground(new java.awt.Color(51, 51, 51));
      jPanel1.add(jProgressBar1, new org.netbeans.lib.awtextra.AbsoluteConstraints(280, 180, 520, 10));
      save.setBackground(new java.awt.Color(51, 51, 51));
      save.setFont(new java.awt.Font("Times New Roman", 0, 24));
      save.setForeground(new java.awt.Color(0, 0, 102));
      save.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
      save.setText("Save");
```

```java
        save.setBorder(javax.swing.BorderFactory.createEtchedBorder(new java.awt.Color(153, 153, 153),
new java.awt.Color(153, 153, 153)));
        save.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
        save.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                saveMouseClicked(evt);
            }
        });
        jPanel1.add(save, new org.netbeans.lib.awtextra.AbsoluteConstraints(400, 580, 120, 50));
        jPanel2.setBackground(new java.awt.Color(204, 204, 204));
        jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jPanel2.add(sep1, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 50, 190, 10));
        name.setBackground(new java.awt.Color(204, 204, 204));
        name.setFont(new java.awt.Font("Times New Roman", 0, 18));
        name.setBorder(null);
        name.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusGained(java.awt.event.FocusEvent evt) {
                nameFocusGained(evt);
            }
        });
        name.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                nameActionPerformed(evt);
            }
        });
        jPanel2.add(name, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 30, 190, 30));
        label1.setFont(new java.awt.Font("Georgia", 0, 16));
        label1.setForeground(new java.awt.Color(0, 0, 102));
        label1.setText("Name:");
        jPanel2.add(label1, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 30, -1, -1));
        label3.setFont(new java.awt.Font("Georgia", 0, 16));
        label3.setForeground(new java.awt.Color(0, 0, 102));
        label3.setText("CR Number:");
        jPanel2.add(label3, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 70, -1, -1));
        label4.setFont(new java.awt.Font("Georgia", 0, 16));
        label4.setForeground(new java.awt.Color(0, 0, 102));
        label4.setText("Phone:");
        jPanel2.add(label4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 150, -1, -1));
        label5.setFont(new java.awt.Font("Georgia", 0, 16));
        label5.setForeground(new java.awt.Color(0, 0, 102));
```

```java
label5.setText("Address:");
jPanel2.add(label5, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 190, -1, -1));
jPanel2.add(sep4, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 170, 190, 10));
phone.setBackground(new java.awt.Color(204, 204, 204));
phone.setFont(new java.awt.Font("Times New Roman", 0, 18));
phone.setBorder(null);
phone.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        phoneFocusGained(evt);
    }
});
phone.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        phoneActionPerformed(evt);
    }
});
jPanel2.add(phone, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 150, 190, 30));
jPanel2.add(sep3, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 90, 190, 10));
cr_number.setBackground(new java.awt.Color(204, 204, 204));
cr_number.setFont(new java.awt.Font("Times New Roman", 0, 18));
cr_number.setBorder(null);
cr_number.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        cr_numberFocusGained(evt);
    }
});
cr_number.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cr_numberActionPerformed(evt);
    }
});
jPanel2.add(cr_number, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 70, 190, 30));
address.setBackground(new java.awt.Color(204, 204, 204));
address.setColumns(20);
address.setFont(new java.awt.Font("Times New Roman", 0, 18));
address.setLineWrap(true);
address.setRows(5);
address.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(102, 18, 25)));
jScrollPane1.setViewportView(address);
```

```java
jPanel2.add(jScrollPane1, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 220, 380, 90));
label7.setFont(new java.awt.Font("Georgia", 0, 16));
label7.setForeground(new java.awt.Color(0, 0, 102));
label7.setText("OP Number:");
jPanel2.add(label7, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 110, -1, -1));
jPanel2.add(sep5, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 130, 190, 10));
op_number.setBackground(new java.awt.Color(204, 204, 204));
op_number.setFont(new java.awt.Font("Times New Roman", 0, 18));
op_number.setBorder(null);
op_number.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        op_numberFocusGained(evt);
    }
});
op_number.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        op_numberActionPerformed(evt);
    }
});
jPanel2.add(op_number, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 110, 190, 30));
token.setBackground(new java.awt.Color(102, 18, 25));
token.setFont(new java.awt.Font("Tahoma", 1, 60));
token.setForeground(new java.awt.Color(0, 102, 102));
token.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
token.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 3, true));
jPanel2.add(token, new org.netbeans.lib.awtextra.AbsoluteConstraints(310, 20, 160, 180));

token1.setFont(new java.awt.Font("High Tower Text", 0, 16));
token1.setForeground(new java.awt.Color(102, 0, 102));
token1.setText("Token Number");
jPanel2.add(token1, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 170, 110, -1));
jPanel1.add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 220, 480, 340));
jPanel5.setBackground(new java.awt.Color(204, 204, 204));
jPanel5.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
label8.setFont(new java.awt.Font("Georgia", 0, 16));
label8.setForeground(new java.awt.Color(0, 0, 102));
label8.setText("Refered By:");
jPanel5.add(label8, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 30, -1, -1));

label9.setFont(new java.awt.Font("Georgia", 0, 16));
```

```java
label9.setForeground(new java.awt.Color(0, 0, 102));
label9.setText("OP Unit:");
jPanel5.add(label9, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 70, -1, -1));


op_unit.setBackground(new java.awt.Color(204, 204, 204));
op_unit.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Oncology", "Chest
Pulmonary Medicine", "ART" }));
op_unit.setSelectedIndex(-1);
op_unit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        op_unitActionPerformed(evt);
    }
});
jPanel5.add(op_unit, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 70, 220, -1));
reference.setBackground(new java.awt.Color(204, 204, 204));
reference.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Private",
"Government", "Others", "" }));
reference.setSelectedIndex(-1);
jPanel5.add(reference, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 30, 220, -1));
jPanel1.add(jPanel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 430, 480, 130));
jPanel4.setBackground(new java.awt.Color(204, 204, 204));
jPanel4.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
label10.setFont(new java.awt.Font("Georgia", 0, 16));
label10.setForeground(new java.awt.Color(0, 0, 102));
label10.setText("Gender: ");
jPanel4.add(label10, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 30, -1, -1));


male.setBackground(new java.awt.Color(204, 204, 204));
male.setFont(new java.awt.Font("High Tower Text", 0, 18));
male.setText("Male");
male.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        maleFocusGained(evt);
    }
});
male.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        maleActionPerformed(evt);
    }
});
```

```java
jPanel4.add(male, new org.netbeans.lib.awtextra.AbsoluteConstraints(320, 30, -1, -1));
female.setBackground(new java.awt.Color(204, 204, 204));
female.setFont(new java.awt.Font("High Tower Text", 0, 18));
female.setText("Female");
female.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        femaleFocusGained(evt);
    }
});
jPanel4.add(female, new org.netbeans.lib.awtextra.AbsoluteConstraints(390, 30, -1, -1));
label2.setFont(new java.awt.Font("Georgia", 0, 16));
label2.setForeground(new java.awt.Color(0, 0, 102));
label2.setText("Previous visit:");
jPanel4.add(label2, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 60, -1, -1));
jPanel4.add(sep2, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 80, 120, 10));

date.setBackground(new java.awt.Color(204, 204, 204));
date.setFont(new java.awt.Font("Times New Roman", 0, 18));
date.setBorder(null);
date.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        dateFocusGained(evt);
    }
});
date.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dateActionPerformed(evt);
    }
});
jPanel4.add(date, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 60, 120, 30));
label12.setFont(new java.awt.Font("Georgia", 0, 16));
label12.setForeground(new java.awt.Color(0, 0, 102));
label12.setText("Age:");
jPanel4.add(label12, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 20, -1, -1));
jPanel4.add(sep8, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 40, 120, 10));
jPanel4.add(sep7, new org.netbeans.lib.awtextra.AbsoluteConstraints(350, 80, 120, 10));

age.setBackground(new java.awt.Color(204, 204, 204));
age.setFont(new java.awt.Font("Times New Roman", 0, 18));
age.setBorder(null);
```

```java
age.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        ageFocusGained(evt);
    }
});
age.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ageActionPerformed(evt);
    }
});
jPanel4.add(age, new org.netbeans.lib.awtextra.AbsoluteConstraints(70, 20, 120, 30));

previous_visit.setBackground(new java.awt.Color(204, 204, 204));
previous_visit.setFont(new java.awt.Font("Times New Roman", 0, 18));
previous_visit.setBorder(null);
previous_visit.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        previous_visitFocusGained(evt);
    }
});
previous_visit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        previous_visitActionPerformed(evt);
    }
});
jPanel4.add(previous_visit, new org.netbeans.lib.awtextra.AbsoluteConstraints(350, 60, 120, 30));
label6.setFont(new java.awt.Font("Georgia", 0, 16));
label6.setForeground(new java.awt.Color(0, 0, 102));
label6.setText("Date:");
jPanel4.add(label6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 60, -1, -1));

label11.setFont(new java.awt.Font("Georgia", 0, 16));
label11.setForeground(new java.awt.Color(0, 0, 102));
label11.setText("Category");
jPanel4.add(label11, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 110, -1, -1));

Casuality.setBackground(new java.awt.Color(204, 204, 204));
Casuality.setFont(new java.awt.Font("High Tower Text", 0, 18));
Casuality.setText("Casuality");
Casuality.addFocusListener(new java.awt.event.FocusAdapter() {
```

```java
    public void focusGained(java.awt.event.FocusEvent evt) {
        CasualityFocusGained(evt);
    }
});
Casuality.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CasualityActionPerformed(evt);
    }
});
jPanel4.add(Casuality, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 100, -1, 50));

OP.setBackground(new java.awt.Color(204, 204, 204));
OP.setFont(new java.awt.Font("High Tower Text", 0, 18));
OP.setText("OP");


OP.addFocusListener(new java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent evt) {
        OPFocusGained(evt);
    }
});
OP.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        OPActionPerformed(evt);
    }
});
jPanel4.add(OP, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 100, 70, 50));
jPanel4.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 130, -1, -1));
jPanel4.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 170, -1, -1));

op_list.setBackground(new java.awt.Color(204, 204, 204));
op_list.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "NULL",
"LYMPHOMA (NHL, DLBCL,HODGKIN'S DISEASE)", "SARCOMA (SYNOVIAL SARCOMA,
LIPOSARCOMA)", "MALIGNANT MELANOMA", "SKIN", "LEUKEMIA(ALL, AML, CML,CLL)",
"LUNG(BRONCHOGENIC CARCINOMA)", "ESOPHAGUS", "STOMACH\t", "GE JUNCTION",
"OG JUNCTION", "CAECUM", "RECTUM", "RECTOSIGMOID", "ANAL CANAL", "ANUS",
"COLON", "BLADDER(GALL BLADDER, URINARY BLADDER)", "PROSTATE", "RENAL CELL
CARCINOMA(KIDNEY)", "TESTIS", "PENIS", "HEPATO CELLULAR CARCINOMA(LIVER)",
"PERIAMPULLARY CARCINOMA (BILE DUCT)", "MULTIPLE MYELOMA", "UNKNOWN
```

```java
PRIMARY", "INTESINES(SMALL INTESTINE, LARGE INTESTINE)", "THYROID GLAND", " "
}));
    op_list.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        op_listActionPerformed(evt);
      }
    });
    jPanel4.add(op_list, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 160, 350, -1));

    label13.setFont(new java.awt.Font("Georgia", 0, 16));
    label13.setForeground(new java.awt.Color(0, 0, 102));
    label13.setText("Diagnosis:");
    jPanel4.add(label13, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 160, -1, -1));

    Speciality.setBackground(new java.awt.Color(204, 204, 204));
    Speciality.setFont(new java.awt.Font("High Tower Text", 0, 18));
    Speciality.setText("Speciality");
    Speciality.addFocusListener(new java.awt.event.FocusAdapter() {
      public void focusGained(java.awt.event.FocusEvent evt) {
        SpecialityFocusGained(evt);
      }
    });
    Speciality.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        SpecialityActionPerformed(evt);
      }
    });
    jPanel4.add(Speciality, new org.netbeans.lib.awtextra.AbsoluteConstraints(330, 100, 120, 50));

    speciality_list.setBackground(new java.awt.Color(204, 204, 204));
    speciality_list.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "NULL",
"LIP", "ORAL CAVITY-  TONGUE", "ORAL CAVITY-  FLOOR OF MOUTH", "ORAL CAVITY-
PALATE", "ORAL CAVITY-  CHEEK MUCOSA", "ORAL CAVITY-   BUCCAL MUCOSA",
"ORAL CAVITY-   RETROMOLAR AREA", "PHARYNX-  TONSIL", "PHARYNX-   UVULA",
"PHARYNX-  VALLECULA", "PHARYNX-  OROPHARYNX", "PHARYNX-   NASOPHARYNX",
"PHARYNX-  PYRIFORM SINUS", "PHARYNX-  POST CRICOID", "PHARYNX-
HYPOPHARYNX", "LARYNX-  EPIGLOTTIS", "LARYNX-   GLOTTIS", "LARYNX-
SUPRAGLOTTIS", "NASAL CAVITY", "MAXILLARY SINUS", "PAROTID GLAND",
"SUBMANDIBULAR GLAND", "SUBLINGUAL GLAND", "SALIVARY GLAND", "VULVA",
"VAGINA", "CERVIX", "ENDOMETRIUM", "UTERUS", "OVARY", "FALLOPIAN TUBE",
```

```java
"PLACENTA", "BREAST", "BRAIN- ASTROCYTOMA", "BRAIN- GLIOBLASTOMA
MULTIFORME", "BRAIN- MEDULOBLASTOMA", " " }));
        speciality_list.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                speciality_listActionPerformed(evt);
            }
        });
        jPanel4.add(speciality_list, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 160, 350, -1));

        jPanel1.add(jPanel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 220, 480, 200));

        jLabel2.setBackground(new java.awt.Color(102, 0, 51));
        jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/ddd.jpg")));
        jLabel2.setOpaque(true);
        jLabel2.addFocusListener(new java.awt.event.FocusAdapter() {
            public void focusGained(java.awt.event.FocusEvent evt) {
                jLabel2FocusGained(evt);
            }
        });
        jPanel1.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(-10, 0, 1070, 660));

        jLabel8.setText("jLabel8");
        jPanel1.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(940, 100, -1, -1));

        jPanel7.setBackground(new java.awt.Color(0, 0, 0));
        jPanel7.setForeground(new java.awt.Color(153, 153, 153));
        jPanel7.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel23.setFont(new java.awt.Font("Times New Roman", 1, 14));
        jLabel23.setForeground(new java.awt.Color(204, 204, 204));
        jLabel23.setText("| Powered By:  Vidya Academy Of Science And Technology, Thalakkottukara
Thrissur |");
        jPanel7.add(jLabel23, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 0, 570, 20));
        jPanel1.add(jPanel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 660, 1160, 20));
        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 30, -1, -1));
        setSize(new java.awt.Dimension(1060, 709));
        setLocationRelativeTo(null);
    }// </editor-fold>

    private void jLabel18MouseClicked(java.awt.event.MouseEvent evt) {
```

```java
        setState(ICONIFIED);
    }

    private void jLabel16MouseClicked(java.awt.event.MouseEvent evt) {
        System.exit(0);
    }

    private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {


        option op=new option();
        op.setVisible(true);
        this.dispose();
    }

    private void printMouseClicked(java.awt.event.MouseEvent evt) {
        jLabel16.setVisible(false);

        tokenvalue++;
        token.setVisible(true);
        token1.setVisible(true);
        token.setText(""+tokenvalue);
          print1.setVisible(true);
             {
                 timer.start();
             }
           try
        {
        sql="update patients set  date='"+date.getText()+"'  where
        op_number='"+op_number.getText()+"';";
        st = cn.createStatement();
        st.executeUpdate(sql);


                sql="select * from patients;";
                st=cn.createStatement();
                rs=st.executeQuery(sql);
        }
catch (Exception e)
{
```

```java
        JOptionPane.showMessageDialog(null,e.toString());
        }
           PrinterJob job = PrinterJob.getPrinterJob();
              job.setPrintable(this);
              boolean ok = job.printDialog();
              if (ok) {
                 try {
                     job.print();
                 } catch (PrinterException ex) {
                  /* The job did not successfully complete */
                 }
              }
        }

           private void clearMouseClicked(java.awt.event.MouseEvent evt)
        {
             name.setText("");
             date.setText("");
             cr_number.setText("");
             op_number.setText("");
             phone.setText("");
             address.setText("");
             male.setSelected(false);
             Casuality.setSelected(false);
             OP.setSelected(false);
             female.setSelected(false);
             age.setText("");
             previous_visit.setText("");
             reference.setSelectedIndex(-1);
             op_unit.setSelectedIndex(-1);
           }

           private void formWindowOpened(java.awt.event.WindowEvent evt)
                {
                        timer = new Timer(50,new progress());
                }
            private void saveMouseClicked(java.awt.event.MouseEvent evt) {
        sep1.setVisible(false);
        sep2.setVisible(false);
        sep3.setVisible(false);
```

```java
sep4.setVisible(false);
sep5.setVisible(false);
sep7.setVisible(false);
sep8.setVisible(false);

try
{
int ans=0;
ans=JOptionPane.showConfirmDialog(null,"Do you wish to save the changes?","AOCMS",
JOptionPane.YES_NO_OPTION);

if(ans==JOptionPane.YES_OPTION)
{

    if(male.isSelected())
    {      jLabel4.setText("M");
    }
    else if(female.isSelected())
    {
       jLabel4.setText("F");
    }

  String category;
    if(Casuality.isSelected())
    {      jLabel5.setText("Casuality");
    jLabel8.setText("NULL");
    }
    else if(OP.isSelected())
    {
       jLabel5.setText("OP");
       jLabel8.setText((String) op_list.getSelectedItem());
    }
    else if(Speciality.isSelected())
    {
       jLabel5.setText("Speciality");
        jLabel8.setText((String) speciality_list.getSelectedItem());
    }
```

```java
 if(cr_number.getText().equals("NULL"))
            {
sql="update patients set
name='"+name.getText()+"',cr_number="+cr_number.getText()+",op_number='"+op_number.getText()
+"',phone='"+phone.getText()+"',address='"+address.getText()+"',age="+age.getText()+",date='"+date.g
etText()+"',Previous_visit='"+previous_visit.getText()+"',Category='"+jLabel5.getText()+"',
gender='"+jLabel4.getText()+"',
Referenced_By='"+(String)reference.getSelectedItem()+"',op_unit='"+(String)op_unit.getSelectedItem()
+"',Diagnosis='"+jLabel8.getText()+"' where op_number='"+op_number.getText()+"';";
        }
            else
            {
sql="update patients set
name='"+name.getText()+"',cr_number='"+cr_number.getText()+"',op_number='"+op_number.getText()
+"',phone='"+phone.getText()+"',address='"+address.getText()+"',age="+age.getText()+",date='"+date.g
etText()+"',Previous_visit='"+previous_visit.getText()+"',Category='"+jLabel5.getText()+"',
gender='"+jLabel4.getText()+"',
Referenced_By='"+(String)reference.getSelectedItem()+"',op_unit='"+(String)op_unit.getSelectedItem()
+"',Diagnosis='"+jLabel8.getText()+"' where op_number='"+op_number.getText()+"';";
}       st = cn.createStatement();
        st.executeUpdate(sql);
        sql="select * from patients;";
        st=cn.createStatement();
        rs=st.executeQuery(sql);

    name.setEditable(false);
    date.setEditable(false);
    op_number.setEditable(false);
    cr_number.setEditable(false);
    previous_visit.setEditable(false);
    phone.setEditable(false);
    address.setEditable(false);
    male.setEnabled(false);
    female.setEnabled(false);
    OP.setEnabled(false);
    Casuality.setEnabled(false);
    age.setEditable(false);
    date.setEditable(false);
    reference.setEnabled(false);
    op_unit.setEnabled(false);
```

```java
        save.setVisible(false);
        update.setVisible(true);
        op_list.setEnabled(false);
        speciality_list.setEnabled(false);
   }
    }


catch (Exception e)
{
JOptionPane.showMessageDialog(null,e.toString());
}
}

    private void formComponentShown(java.awt.event.ComponentEvent evt) {
jLabel4.setVisible(false);
jLabel5.setVisible(false);
sep1.setVisible(false);
sep2.setVisible(false);
sep3.setVisible(false);
sep4.setVisible(false);
sep5.setVisible(false);
sep7.setVisible(false);
sep8.setVisible(false);
jLabel8.setVisible(false);

        String timeStamp = new SimpleDateFormat("yyyy-MM-
dd").format(Calendar.getInstance().getTime());
        bg1.add(male);
        bg1.add(female);
        save.setVisible(false);
        print1.setVisible(false);
        token.setVisible(false);
        token1.setVisible(false);
        name.setEditable(false);
        date.setEditable(false);
        op_number.setEditable(false);
        cr_number.setEditable(false);
        previous_visit.setEditable(false);
        op_list.setEditable(false);
```

```java
        speciality_list.setEnabled(false);
        phone.setEditable(false);
        address.setEditable(false);
        male.setEnabled(false);
        female.setEnabled(false);
        OP.setEnabled(false);
        Casuality.setEnabled(false);
        Speciality.setEnabled(false);
        age.setEditable(false);
        date.setEditable(false);
        reference.setEnabled(false);
        op_unit.setEnabled(false);
        op_unit.setSelectedIndex(-1);
        op_list.setEnabled(false);
        buttonGroup1.add(Casuality);
        buttonGroup1.add(OP);
        buttonGroup1.add(Speciality);

try
{
  //Establish connection to the MySQL Database
Class.forName("java.sql.Driver");
cn=DriverManager.getConnection("jdbc:mysql://localhost:3306/aocms","USERNAME","PASSWORD"
);
sql="select * from patients;";
        st=cn.createStatement();
        rs=st.executeQuery(sql);
        rs.next();
String crno="";
crno=JOptionPane.showInputDialog(null,"Please enter the CR Number or the OP
Number","AOCMS",JOptionPane.QUESTION_MESSAGE);

if(crno!=null){
        sql="select * from patients where cr_number='"+crno+"' or op_number='"+crno+"';";
        st=cn.createStatement();
        rs=st.executeQuery(sql);
        rs.next();
        if(crno.equals(rs.getString("cr_number"))||crno.equals(rs.getString("op_number")))
        {
                name.setText(rs.getString("name"));
```

```java
            cr_number.setText(rs.getString("cr_number"));
            if(cr_number.getText().equals(""))
               cr_number.setText("NULL");
            if(cr_number.getText().equals("NULL"))
               cr_number.setEditable(false);
            op_number.setText(rs.getString("op_number"));
            phone.setText(rs.getString("phone"));
            address.setText(rs.getString("address"));
            if(rs.getString("gender").equals("M"))
            {
               male.setSelected(true);
               male.setForeground(Color.black);
            }
else
{
             female.setSelected(true);
           female.setForeground(Color.black);
}
if(rs.getString("category").equals("Casuality"))
{
             Casuality.setSelected(true);
             Casuality.setForeground(Color.black);
             op_list.setVisible(false);
             speciality_list.setVisible(false);

}
else if(rs.getString("category").equals("OP"))
{
             OP.setSelected(true);
             OP.setForeground(Color.black);
             op_list.setVisible(true);
             op_list.setSelectedItem(rs.getString("Diagnosis"));
             speciality_list.setVisible(false);

}
else if(rs.getString("category").equals("Speciality"))
{
             Speciality.setSelected(true);
             Speciality.setForeground(Color.black);
             op_list.setVisible(false);
```

```java
                    speciality_list.setVisible(true);
                    speciality_list.setSelectedItem(rs.getString("Diagnosis"));
        }

        age.setText(rs.getString("age"));
        date.setText(""+timeStamp);
        previous_visit.setText(rs.getString("date"));
        reference.setSelectedItem(rs.getString("referenced_by"));
        op_unit.setSelectedItem(rs.getString("op_unit"));
        }
}
else{
    option op=new option();
    op.setVisible(true);
    this.dispose();
        }
}
catch(Exception e)
{

        JOptionPane.showMessageDialog(null,"Please enter a valid CR number or an OP
        number","AOCMS",JOptionPane.ERROR_MESSAGE);
          option op=new option();
             op.setVisible(true);
             this.dispose();
        }
}
   private void updateMouseClicked(java.awt.event.MouseEvent evt) {
        sep1.setVisible(true);
        sep2.setVisible(true);
        sep3.setVisible(true);
        sep4.setVisible(true);
        sep5.setVisible(true);
        sep7.setVisible(true);
        sep8.setVisible(true);
    name.setEditable(true);
    phone.setEditable(true);
    address.setEditable(true);
    male.setEnabled(true);
    female.setEnabled(true);
```

```java
        Casuality.setEnabled(true);
        Speciality.setEnabled(true);
         OP.setEnabled(true);
        age.setEditable(true);
        reference.setEnabled(true);
         male.setForeground(Color.black);
         female.setForeground(Color.black);
          OP.setForeground(Color.black);
         Casuality.setForeground(Color.black);
         Speciality.setForeground(Color.black);
         if(OP.isSelected())
         {op_list.setEnabled(true);
         op_list.setVisible(true);
         speciality_list.setVisible(false);}
           else if(Speciality.isSelected())
         {speciality_list.setEnabled(true);
         speciality_list.setVisible(true);
         op_list.setVisible(false);}
         save.setVisible(true);
         update.setVisible(false);
    }
    private void CasualityActionPerformed(java.awt.event.ActionEvent evt) {
    op_list.setVisible(false);
    speciality_list.setVisible(false);   }
     private void OPActionPerformed(java.awt.event.ActionEvent evt) {
            op_list.setEnabled(true);
            op_list.setVisible(true);
            speciality_list.setVisible(false);
       }
    private void SpecialityFocusGained(java.awt.event.FocusEvent evt) {
             op_list.setVisible(false);
            speciality_list.setVisible(true);
            speciality_list.setEditable(true);
       }

    private void SpecialityActionPerformed(java.awt.event.ActionEvent evt) {
            speciality_list.setEnabled(true);
            op_list.setVisible(false);
       }
    public static void main(String args[]) {
```

```java
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(OldPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(OldPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(OldPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(OldPatient.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new OldPatient().setVisible(true);
        }
    });
}
private Timer timer;
    // Variables declaration - do not modify
    private javax.swing.JRadioButton Casuality;
    private javax.swing.JRadioButton OP;
    private javax.swing.JRadioButton Speciality;
    private javax.swing.JTextArea address;
```

```java
private javax.swing.JTextField age;
private javax.swing.ButtonGroup bg1;
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.JLabel clear;
private javax.swing.JTextField cr_number;
private javax.swing.JTextField date;
private javax.swing.JRadioButton female;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel7;
private javax.swing.JProgressBar jProgressBar1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JLabel label1;
private javax.swing.JLabel label10;
private javax.swing.JLabel label11;
private javax.swing.JLabel label12;
private javax.swing.JLabel label13;
private javax.swing.JLabel label2;
private javax.swing.JLabel label3;
private javax.swing.JLabel label4;
private javax.swing.JLabel label5;
```

```java
    private javax.swing.JLabel label6;
    private javax.swing.JLabel label7;
    private javax.swing.JLabel label8;
    private javax.swing.JLabel label9;
    private javax.swing.JRadioButton male;
    private javax.swing.JTextField name;
    private javax.swing.JComboBox<String> op_list;
    private javax.swing.JTextField op_number;
    private javax.swing.JComboBox<String> op_unit;
    private javax.swing.JTextField phone;
    private javax.swing.JTextField previous_visit;
    private javax.swing.JLabel print;
    private javax.swing.JLabel print1;
    private javax.swing.JComboBox<String> reference;
    private javax.swing.JLabel save;
    private javax.swing.JSeparator sep1;
    private javax.swing.JSeparator sep2;
    private javax.swing.JSeparator sep3;
    private javax.swing.JSeparator sep4;
    private javax.swing.JSeparator sep5;
    private javax.swing.JSeparator sep7;
    private javax.swing.JSeparator sep8;
    private javax.swing.JComboBox<String> speciality_list;
    private javax.swing.JLabel token;
    private javax.swing.JLabel token1;
    private javax.swing.JLabel update;
    // End of variables declaration
}
```

**FRAME NAME:** analysis.java
**CODE:**

```java
package AOCMS;

import java.io.BufferedWriter;
import java.io.File;
import java.io.FileWriter;
import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.Statement;
import java.sql.ResultSet;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.TableModel;
import net.proteanit.sql.DbUtils;

public class analysis extends javax.swing.JFrame {

Connection cn=null;
Statement st=null;
ResultSet rs=null;
String sql="";
String unit="";
String cat="";
String diag="";
String ag="";
String gen="";
String dat="";

    public analysis()
        {
                initComponents();
        }
  @SuppressWarnings("unchecked")
  // <editor-fold defaultstate="collapsed" desc="Generated Code">

 private void initComponents() {
```

```java
buttonGroup1 = new javax.swing.ButtonGroup();
buttonGroup2 = new javax.swing.ButtonGroup();
buttonGroup3 = new javax.swing.ButtonGroup();
buttonGroup4 = new javax.swing.ButtonGroup();
buttonGroup5 = new javax.swing.ButtonGroup();
jPanel2 = new javax.swing.JPanel();
jScrollPane2 = new javax.swing.JScrollPane();
tabl = new javax.swing.JTable();
disp = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jPanel7 = new javax.swing.JPanel();
jLabel23 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jPanel3 = new javax.swing.JPanel();
jLabel18 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel25 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
jPanel1 = new javax.swing.JPanel();
all = new javax.swing.JCheckBox();
name = new javax.swing.JCheckBox();
cr_number = new javax.swing.JCheckBox();
op_number = new javax.swing.JCheckBox();
date = new javax.swing.JCheckBox();
age = new javax.swing.JCheckBox();
category = new javax.swing.JCheckBox();
gender = new javax.swing.JCheckBox();
reference = new javax.swing.JCheckBox();
opunit = new javax.swing.JCheckBox();
diagnosis = new javax.swing.JCheckBox();
jSeparator1 = new javax.swing.JSeparator();
op_unit = new javax.swing.JCheckBox();
r_oncology = new javax.swing.JRadioButton();
r_chest = new javax.swing.JRadioButton();
r_art = new javax.swing.JRadioButton();
rr_casuality = new javax.swing.JRadioButton();
```

```java
rr_op = new javax.swing.JRadioButton();
rr_speciality = new javax.swing.JRadioButton();
jSeparator3 = new javax.swing.JSeparator();
cases = new javax.swing.JComboBox<>();
all1 = new javax.swing.JCheckBox();
count = new javax.swing.JCheckBox();
agebox = new javax.swing.JCheckBox();
greater = new javax.swing.JRadioButton();
equal = new javax.swing.JRadioButton();
less = new javax.swing.JRadioButton();
agevalue1 = new javax.swing.JTextField();
jSeparator5 = new javax.swing.JSeparator();
agevalue = new javax.swing.JTextField();
jSeparator4 = new javax.swing.JSeparator();
ge = new javax.swing.JRadioButton();
le = new javax.swing.JRadioButton();
genderbox = new javax.swing.JCheckBox();
male = new javax.swing.JRadioButton();
female = new javax.swing.JRadioButton();
bet = new javax.swing.JRadioButton();
and = new javax.swing.JLabel();
datevalue = new javax.swing.JTextField();
jSeparator10 = new javax.swing.JSeparator();
D2 = new javax.swing.JLabel();
datevalue2 = new javax.swing.JTextField();
jSeparator11 = new javax.swing.JSeparator();
jLabel4 = new javax.swing.JLabel();
jSeparator7 = new javax.swing.JSeparator();
jLabel5 = new javax.swing.JLabel();
jSeparator9 = new javax.swing.JSeparator();
datebox = new javax.swing.JCheckBox();
year = new javax.swing.JRadioButton();
month = new javax.swing.JRadioButton();
day = new javax.swing.JRadioButton();
between = new javax.swing.JRadioButton();
on = new javax.swing.JRadioButton();
and2 = new javax.swing.JLabel();
D1 = new javax.swing.JLabel();
jSeparator12 = new javax.swing.JSeparator();
search = new javax.swing.JLabel();
```

```java
jSeparator8 = new javax.swing.JSeparator();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setUndecorated(true);
addComponentListener(new java.awt.event.ComponentAdapter() {
    public void componentShown(java.awt.event.ComponentEvent evt) {
        formComponentShown(evt);
    }
});
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
jPanel2.setBackground(new java.awt.Color(204, 204, 255));
jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jScrollPane2.setHorizontalScrollBarPolicy(javax.swing.ScrollPaneConstants.HORIZONTAL_SCROLL
BAR_ALWAYS);
jScrollPane2.setVerticalScrollBarPolicy(javax.swing.ScrollPaneConstants.VERTICAL_SCROLLBAR_
ALWAYS);

tabl.setBackground(new java.awt.Color(204, 204, 255));
tabl.setFont(new java.awt.Font("Times New Roman", 0, 14));
tabl.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
tabl.setGridColor(new java.awt.Color(255, 255, 255));
jScrollPane2.setViewportView(tabl);
jPanel2.add(jScrollPane2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 60, 1060, 570));
disp.setFont(new java.awt.Font("Times New Roman", 0, 24));
```

```java
        disp.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jPanel2.add(disp, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 10, 460, 40));
        jLabel8.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AOCMS/1491425454_back_on_top.png")));
        jLabel8.setToolTipText("Back to the Analysis Page");
        jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel8MouseClicked(evt);
            }
        });
        jPanel2.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 0, 30, 40));
        jLabel9.setFont(new java.awt.Font("Segoe Print", 1, 11));
        jLabel9.setText("Back");
        jPanel2.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 30, -1, 30));


        jLabel11.setFont(new java.awt.Font("Segoe Print", 1, 11));
        jLabel11.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/exp.png")));
        jLabel11.setText("<html>\n<b>\n<bold>EXPORT</bold>\n</b>\n</html>");
        jLabel11.setToolTipText("Click here to save this as Excel File");
        jLabel11.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel11MouseClicked(evt);
            }
        });
        jPanel2.add(jLabel11, new org.netbeans.lib.awtextra.AbsoluteConstraints(880, 10, 110, 40));


        getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 30, 1060,
630));
        jLabel12.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/vidya2.png")));
        getContentPane().add(jLabel12, new org.netbeans.lib.awtextra.AbsoluteConstraints(810, 100, 180,
130));
        jPanel7.setBackground(new java.awt.Color(0, 0, 0));
        jPanel7.setForeground(new java.awt.Color(153, 153, 153));
        jPanel7.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
        jLabel23.setFont(new java.awt.Font("Times New Roman", 1, 14));
        jLabel23.setForeground(new java.awt.Color(204, 204, 204));
        jLabel23.setText("| Powered By:  Vidya Academy Of Science And Technology, Thalakkottukara
Thrissur |");
        jPanel7.add(jLabel23, new org.netbeans.lib.awtextra.AbsoluteConstraints(300, 0, 570, 20));
```

```java
        getContentPane().add(jPanel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 660, 1160,
20));
        jLabel14.setFont(new java.awt.Font("PMingLiU-ExtB", 0, 48));
        jLabel14.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/medlogo.png")));
        getContentPane().add(jLabel14, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 100, 100,
120));
        jPanel3.setBackground(new java.awt.Color(0, 0, 0));
        jPanel3.setForeground(new java.awt.Color(153, 153, 153));
        jPanel3.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel18.setBackground(new java.awt.Color(204, 204, 204));
        jLabel18.setFont(new java.awt.Font("Verdana", 0, 18));
        jLabel18.setForeground(new java.awt.Color(204, 204, 204));
        jLabel18.setText("| _ |");
        jLabel18.setToolTipText("Minimize the screen");
        jLabel18.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel18MouseClicked(evt);
            }
        });
        jPanel3.add(jLabel18, new org.netbeans.lib.awtextra.AbsoluteConstraints(990, 0, 40, 30));
        jLabel17.setFont(new java.awt.Font("Times New Roman", 1, 14));
        jLabel17.setForeground(new java.awt.Color(204, 204, 204));
        jLabel17.setText("| AOCMS | ANALYSIS |");
        jPanel3.add(jLabel17, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 240, 30));
        jLabel16.setBackground(new java.awt.Color(204, 204, 204));
        jLabel16.setFont(new java.awt.Font("Verdana", 0, 18));
        jLabel16.setForeground(new java.awt.Color(204, 204, 204));
        jLabel16.setText("| X |");
        jLabel16.setToolTipText("Exit from AOCMS");
        jLabel16.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                jLabel16MouseClicked(evt);
            }
        });
        jPanel3.add(jLabel16, new org.netbeans.lib.awtextra.AbsoluteConstraints(1020, 0, 50, 30));
        jLabel25.setFont(new java.awt.Font("Times New Roman", 1, 14));
        jLabel25.setForeground(new java.awt.Color(204, 204, 204));
        jLabel25.setText("| Government Medical College, Mulankunnathukavu  Thrissur |");
        jPanel3.add(jLabel25, new org.netbeans.lib.awtextra.AbsoluteConstraints(310, 0, 410, 30));
```

```java
getContentPane().add(jPanel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1060, -1));
jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/logo.png")));
getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(460, 90, 140,
120));

jPanel1.setBackground(new java.awt.Color(204, 204, 255));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
all.setBackground(new java.awt.Color(204, 204, 255));
all.setFont(new java.awt.Font("Times New Roman", 1, 18));
all.setText("All Details");
all.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
      allActionPerformed(evt);
   }
});
jPanel1.add(all, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 270, -1, -1));
name.setBackground(new java.awt.Color(204, 204, 255));
name.setFont(new java.awt.Font("Times New Roman", 1, 18));
name.setText("Name");
jPanel1.add(name, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 90, -1, -1));
cr_number.setBackground(new java.awt.Color(204, 204, 255));
cr_number.setFont(new java.awt.Font("Times New Roman", 1, 18));
cr_number.setText("CR Number");
jPanel1.add(cr_number, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 120, -1, -1));

op_number.setBackground(new java.awt.Color(204, 204, 255));
op_number.setFont(new java.awt.Font("Times New Roman", 1, 18));
op_number.setText("OP Number");
jPanel1.add(op_number, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 150, -1, -1));
date.setBackground(new java.awt.Color(204, 204, 255));
date.setFont(new java.awt.Font("Times New Roman", 1, 18));
date.setText("Date");
jPanel1.add(date, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 210, -1, -1));
age.setBackground(new java.awt.Color(204, 204, 255));
age.setFont(new java.awt.Font("Times New Roman", 1, 18));
age.setText("Age");
jPanel1.add(age, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 180, -1, -1));

category.setBackground(new java.awt.Color(204, 204, 255));
category.setFont(new java.awt.Font("Times New Roman", 1, 18));
```

```java
category.setText("Category");
jPanel1.add(category, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 90, -1, -1));
gender.setBackground(new java.awt.Color(204, 204, 255));
gender.setFont(new java.awt.Font("Times New Roman", 1, 18));
gender.setText("Gender");
jPanel1.add(gender, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 120, -1, -1));

reference.setBackground(new java.awt.Color(204, 204, 255));
reference.setFont(new java.awt.Font("Times New Roman", 1, 18));
reference.setText("Reference");
jPanel1.add(reference, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 150, -1, -1));
opunit.setBackground(new java.awt.Color(204, 204, 255));
opunit.setFont(new java.awt.Font("Times New Roman", 1, 18));
opunit.setText("OP Unit");
jPanel1.add(opunit, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 180, -1, -1));

diagnosis.setBackground(new java.awt.Color(204, 204, 255));
diagnosis.setFont(new java.awt.Font("Times New Roman", 1, 18));
diagnosis.setText("Diagnosis");
jPanel1.add(diagnosis, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 210, -1, -1));
jSeparator1.setBackground(new java.awt.Color(204, 204, 255));
jSeparator1.setForeground(new java.awt.Color(0, 0, 0));
jSeparator1.setOrientation(javax.swing.SwingConstants.VERTICAL);
jPanel1.add(jSeparator1, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 10, -1, 310));

op_unit.setBackground(new java.awt.Color(204, 204, 255));
op_unit.setFont(new java.awt.Font("Times New Roman", 1, 14));
op_unit.setText("OP Unit");
op_unit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        op_unitActionPerformed(evt);
    }
});

jPanel1.add(op_unit, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 120, -1, -1));
r_oncology.setBackground(new java.awt.Color(204, 204, 255));
r_oncology.setFont(new java.awt.Font("Times New Roman", 1, 14));
r_oncology.setText("Oncology");
r_oncology.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
          r_oncologyActionPerformed(evt);
      }
    });
    jPanel1.add(r_oncology, new org.netbeans.lib.awtextra.AbsoluteConstraints(350, 120, 90, -1));
    r_chest.setBackground(new java.awt.Color(204, 204, 255));
    r_chest.setFont(new java.awt.Font("Times New Roman", 1, 14));
    r_chest.setText("Chest Pulmonary Medicine");
    r_chest.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
          r_chestActionPerformed(evt);
      }
    });
    jPanel1.add(r_chest, new org.netbeans.lib.awtextra.AbsoluteConstraints(440, 120, -1, -1));
    r_art.setBackground(new java.awt.Color(204, 204, 255));
    r_art.setFont(new java.awt.Font("Times New Roman", 1, 14));
    r_art.setText("ART");
    r_art.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
          r_artActionPerformed(evt);
      }
    });
    jPanel1.add(r_art, new org.netbeans.lib.awtextra.AbsoluteConstraints(640, 120, -1, -1));
    rr_casuality.setBackground(new java.awt.Color(204, 204, 255));
    rr_casuality.setFont(new java.awt.Font("Times New Roman", 1, 14));
    rr_casuality.setText("Casuality");
    rr_casuality.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
          rr_casualityActionPerformed(evt);
      }
    });
    jPanel1.add(rr_casuality, new org.netbeans.lib.awtextra.AbsoluteConstraints(450, 120, -1, -1));
    rr_op.setBackground(new java.awt.Color(204, 204, 255));
    rr_op.setFont(new java.awt.Font("Times New Roman", 1, 14));
    rr_op.setText("OP");
    rr_op.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
          rr_opActionPerformed(evt);
      }
    });
    jPanel1.add(rr_op, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 120, -1, -1));
```

```java
rr_speciality.setBackground(new java.awt.Color(204, 204, 255));
rr_speciality.setFont(new java.awt.Font("Times New Roman", 1, 14));
rr_speciality.setText("Speciality");
rr_speciality.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        rr_specialityActionPerformed(evt);
    }
});
jPanel1.add(rr_speciality, new org.netbeans.lib.awtextra.AbsoluteConstraints(580, 120, -1, -1));
jSeparator3.setForeground(new java.awt.Color(0, 0, 102));
jSeparator3.setOrientation(javax.swing.SwingConstants.VERTICAL);
jPanel1.add(jSeparator3, new org.netbeans.lib.awtextra.AbsoluteConstraints(430, 110, 30, 40));
cases.setBackground(new java.awt.Color(204, 204, 255));
cases.setFont(new java.awt.Font("Times New Roman", 1, 10));
cases.setModel(new DefaultComboBoxModel());
cases.setToolTipText("");
cases.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        casesItemStateChanged(evt);
    }
});
cases.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        casesMouseClicked(evt);
    }
});
cases.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        casesActionPerformed(evt);
    }
});
jPanel1.add(cases, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 120, 230, -1));
all1.setBackground(new java.awt.Color(204, 204, 255));
all1.setFont(new java.awt.Font("Times New Roman", 1, 14));
all1.setText("All Details");
all1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        all1ActionPerformed(evt);
    }
});
```

```java
jPanel1.add(all1, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 90, -1, -1));

count.setBackground(new java.awt.Color(204, 204, 255));
count.setFont(new java.awt.Font("Times New Roman", 1, 18));
count.setText("Count");
count.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        countActionPerformed(evt);
    }
});
jPanel1.add(count, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 270, 110, -1));
agebox.setBackground(new java.awt.Color(204, 204, 255));
agebox.setFont(new java.awt.Font("Times New Roman", 1, 14));
agebox.setText("Age");
agebox.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ageboxActionPerformed(evt);
    }
});
jPanel1.add(agebox, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 150, -1, -1));
greater.setBackground(new java.awt.Color(204, 204, 255));
greater.setFont(new java.awt.Font("Times New Roman", 1, 14));
greater.setText(">");
greater.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        greaterActionPerformed(evt);
    }
});
jPanel1.add(greater, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 150, -1, -1));
equal.setBackground(new java.awt.Color(204, 204, 255));
equal.setFont(new java.awt.Font("Times New Roman", 1, 14));
equal.setText("=");
equal.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        equalActionPerformed(evt);
    }
});
jPanel1.add(equal, new org.netbeans.lib.awtextra.AbsoluteConstraints(560, 150, -1, -1));
less.setBackground(new java.awt.Color(204, 204, 255));
less.setFont(new java.awt.Font("Times New Roman", 1, 14));
```

```java
less.setText("<");
less.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    lessActionPerformed(evt);
  }
});
jPanel1.add(less, new org.netbeans.lib.awtextra.AbsoluteConstraints(390, 150, -1, -1));
agevalue1.setBackground(new java.awt.Color(204, 204, 255));
agevalue1.setFont(new java.awt.Font("Times New Roman", 1, 14));
agevalue1.setHorizontalAlignment(javax.swing.JTextField.CENTER);
agevalue1.setBorder(null);
jPanel1.add(agevalue1, new org.netbeans.lib.awtextra.AbsoluteConstraints(820, 150, 90, 30));

jSeparator5.setBackground(new java.awt.Color(204, 204, 255));
jSeparator5.setForeground(new java.awt.Color(0, 0, 0));
jPanel1.add(jSeparator5, new org.netbeans.lib.awtextra.AbsoluteConstraints(810, 180, 90, 10));
agevalue.setBackground(new java.awt.Color(204, 204, 255));
agevalue.setFont(new java.awt.Font("Times New Roman", 1, 14));
agevalue.setHorizontalAlignment(javax.swing.JTextField.CENTER);
agevalue.setBorder(null);
jPanel1.add(agevalue, new org.netbeans.lib.awtextra.AbsoluteConstraints(680, 150, 90, 30));

jSeparator4.setBackground(new java.awt.Color(204, 204, 255));
jSeparator4.setForeground(new java.awt.Color(0, 0, 0));
jPanel1.add(jSeparator4, new org.netbeans.lib.awtextra.AbsoluteConstraints(680, 180, 90, 10));
ge.setBackground(new java.awt.Color(204, 204, 255));
ge.setFont(new java.awt.Font("Times New Roman", 1, 14));
ge.setText(">=");
ge.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    geActionPerformed(evt);
  }
});
jPanel1.add(ge, new org.netbeans.lib.awtextra.AbsoluteConstraints(440, 150, -1, -1));
le.setBackground(new java.awt.Color(204, 204, 255));
le.setFont(new java.awt.Font("Times New Roman", 1, 14));
le.setText("<=");
le.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    leActionPerformed(evt);
```

```java
        }
    });
    jPanel1.add(le, new org.netbeans.lib.awtextra.AbsoluteConstraints(500, 150, -1, -1));
    genderbox.setBackground(new java.awt.Color(204, 204, 255));
    genderbox.setFont(new java.awt.Font("Times New Roman", 1, 14));
    genderbox.setText("Gender");
    genderbox.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            genderboxActionPerformed(evt);
        }
    });
    jPanel1.add(genderbox, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 180, -1, -1));
    male.setBackground(new java.awt.Color(204, 204, 255));
    male.setFont(new java.awt.Font("Times New Roman", 1, 14));
    male.setText("Male");
    male.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            maleActionPerformed(evt);
        }
    });
    jPanel1.add(male, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 180, -1, -1));
    female.setBackground(new java.awt.Color(204, 204, 255));
    female.setFont(new java.awt.Font("Times New Roman", 1, 14));
    female.setText("Female");
    female.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            femaleActionPerformed(evt);
        }
    });
    jPanel1.add(female, new org.netbeans.lib.awtextra.AbsoluteConstraints(420, 180, -1, -1));
    bet.setBackground(new java.awt.Color(204, 204, 255));
    bet.setFont(new java.awt.Font("Times New Roman", 1, 14));
    bet.setText("Between");
    bet.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            betActionPerformed(evt);
        }
    });
    jPanel1.add(bet, new org.netbeans.lib.awtextra.AbsoluteConstraints(600, 150, -1, -1));
    and.setBackground(new java.awt.Color(204, 204, 255));
```

```java
and.setFont(new java.awt.Font("Times New Roman", 1, 14));
and.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
and.setText("and");
jPanel1.add(and, new org.netbeans.lib.awtextra.AbsoluteConstraints(770, 170, 30, -1));

datevalue.setBackground(new java.awt.Color(204, 204, 255));
datevalue.setFont(new java.awt.Font("Times New Roman", 1, 14));
datevalue.setHorizontalAlignment(javax.swing.JTextField.CENTER);
datevalue.setBorder(null);
jPanel1.add(datevalue, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 200, 90, 30));
jSeparator10.setForeground(new java.awt.Color(0, 0, 102));
jPanel1.add(jSeparator10, new org.netbeans.lib.awtextra.AbsoluteConstraints(660, 230, 90, 10));
D2.setBackground(new java.awt.Color(204, 204, 255));
D2.setFont(new java.awt.Font("Times New Roman", 1, 14));
D2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jPanel1.add(D2, new org.netbeans.lib.awtextra.AbsoluteConstraints(810, 230, 100, 20));
datevalue2.setBackground(new java.awt.Color(204, 204, 255));
datevalue2.setFont(new java.awt.Font("Times New Roman", 1, 14));
datevalue2.setHorizontalAlignment(javax.swing.JTextField.CENTER);
datevalue2.setBorder(null);
jPanel1.add(datevalue2, new org.netbeans.lib.awtextra.AbsoluteConstraints(810, 200, 90, 30));

jSeparator11.setBackground(new java.awt.Color(204, 204, 255));
jSeparator11.setForeground(new java.awt.Color(0, 0, 0));
jPanel1.add(jSeparator11, new org.netbeans.lib.awtextra.AbsoluteConstraints(810, 230, 90, 10));
jLabel4.setBackground(new java.awt.Color(153, 255, 102));
jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 18));
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setText("Columns to be displayed:");
jPanel1.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 40, -1, -1));
jSeparator7.setBackground(new java.awt.Color(204, 204, 255));
jSeparator7.setForeground(new java.awt.Color(0, 0, 0));
jPanel1.add(jSeparator7, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 260, 230, 10));

jLabel5.setBackground(new java.awt.Color(153, 255, 102));
jLabel5.setFont(new java.awt.Font("Times New Roman", 1, 18));
jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel5.setText("Conditions");
jPanel1.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(450, 40, 230, -1));
jSeparator9.setForeground(new java.awt.Color(0, 0, 102));
```

```java
jPanel1.add(jSeparator9, new org.netbeans.lib.awtextra.AbsoluteConstraints(450, 70, 230, 10));
datebox.setBackground(new java.awt.Color(204, 204, 255));
datebox.setFont(new java.awt.Font("Times New Roman", 1, 14));
datebox.setText("Date");
datebox.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dateboxActionPerformed(evt);
    }
});
jPanel1.add(datebox, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 210, -1, -1));
year.setBackground(new java.awt.Color(204, 204, 255));
year.setFont(new java.awt.Font("Times New Roman", 1, 14));
year.setText("Year");
year.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        yearActionPerformed(evt);
    }
});
jPanel1.add(year, new org.netbeans.lib.awtextra.AbsoluteConstraints(340, 210, -1, -1));
month.setBackground(new java.awt.Color(204, 204, 255));
month.setFont(new java.awt.Font("Times New Roman", 1, 14));
month.setText("Month");
month.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        monthActionPerformed(evt);
    }
});
jPanel1.add(month, new org.netbeans.lib.awtextra.AbsoluteConstraints(400, 210, -1, -1));
day.setBackground(new java.awt.Color(204, 204, 255));
day.setFont(new java.awt.Font("Times New Roman", 1, 14));
day.setText("Day");
day.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dayActionPerformed(evt);
    }
});
jPanel1.add(day, new org.netbeans.lib.awtextra.AbsoluteConstraints(470, 210, -1, -1));
between.setBackground(new java.awt.Color(204, 204, 255));
between.setFont(new java.awt.Font("Times New Roman", 1, 14));
between.setText("Between");
```

```java
between.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        betweenActionPerformed(evt);
    }
});
jPanel1.add(between, new org.netbeans.lib.awtextra.AbsoluteConstraints(580, 210, -1, -1));
on.setBackground(new java.awt.Color(204, 204, 255));
on.setFont(new java.awt.Font("Times New Roman", 1, 14));
on.setText("On");
on.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        onActionPerformed(evt);
    }
});
jPanel1.add(on, new org.netbeans.lib.awtextra.AbsoluteConstraints(530, 210, -1, -1));
and2.setBackground(new java.awt.Color(204, 204, 255));
and2.setFont(new java.awt.Font("Times New Roman", 1, 14));
and2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
and2.setText("and");
jPanel1.add(and2, new org.netbeans.lib.awtextra.AbsoluteConstraints(770, 220, 30, -1));

D1.setBackground(new java.awt.Color(204, 204, 255));
D1.setFont(new java.awt.Font("Times New Roman", 1, 14));
D1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jPanel1.add(D1, new org.netbeans.lib.awtextra.AbsoluteConstraints(670, 230, 100, 20));
jSeparator12.setForeground(new java.awt.Color(0, 0, 102));
jPanel1.add(jSeparator12, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 70, 230, 10));
search.setBackground(new java.awt.Color(204, 204, 255));
search.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/search.png")));
search.setToolTipText("Search ");
search.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        searchMouseClicked(evt);
    }
});
jPanel1.add(search, new org.netbeans.lib.awtextra.AbsoluteConstraints(470, 260, 70, 80));
jSeparator8.setForeground(new java.awt.Color(153, 0, 153));
jPanel1.add(jSeparator8, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 0, 340, 10));
jLabel6.setBackground(new java.awt.Color(204, 204, 255));
```

```java
    jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/AOCMS/1491425454_back_on_top.png")));
    jLabel6.setToolTipText("Back to the Main Page");
    jLabel6.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jLabel6MouseClicked(evt);
        }
    });
    jPanel1.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(870, 280, 30, 50));
    jLabel7.setFont(new java.awt.Font("Segoe Print", 0, 11));
    jLabel7.setText("Back");
    jPanel1.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(870, 320, -1, -1));
    getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 240, 910,
340));
    jLabel3.setFont(new java.awt.Font("Poor Richard", 0, 36));
    jLabel3.setForeground(new java.awt.Color(102, 0, 0));
    jLabel3.setText("Automated OP Counter Management System");
    getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 200, -1, -
1));


    jLabel10.setBackground(new java.awt.Color(204, 204, 255));
    jLabel10.setForeground(new java.awt.Color(153, 255, 102));
    jLabel10.setText("jLabel10");
    jLabel10.setOpaque(true);
    getContentPane().add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 100, 910,
520));
    jLabel2.setBackground(new java.awt.Color(102, 0, 51));
    jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/AOCMS/blue.jpg")));
    jLabel2.setOpaque(true);
    jLabel2.addFocusListener(new java.awt.event.FocusAdapter() {
        public void focusGained(java.awt.event.FocusEvent evt) {
            jLabel2FocusGained(evt);
        }
    });
    getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 30, 1070,
650));
    setSize(new java.awt.Dimension(1060, 680));
    setLocationRelativeTo(null);
  }// </editor-fold>
  private void jLabel18MouseClicked(java.awt.event.MouseEvent evt) {
```

```java
        setState(ICONIFIED);
    }
    private void jLabel16MouseClicked(java.awt.event.MouseEvent evt) {
        System.exit(0);
    }
    private void jLabel6MouseClicked(java.awt.event.MouseEvent evt) {
        option op=new option();
        op.setVisible(true);
        this.dispose();
    }

    private void formComponentShown(java.awt.event.ComponentEvent evt) {

jPanel2.setVisible(false);
buttonGroup1.add(r_oncology);
buttonGroup1.add(r_chest);
buttonGroup1.add(r_art);
buttonGroup2.add(rr_casuality);
buttonGroup2.add(rr_op);
buttonGroup2.add(rr_speciality);
buttonGroup3.add(greater);
buttonGroup3.add(equal);
buttonGroup3.add(less);
buttonGroup3.add(ge);
buttonGroup3.add(le);
buttonGroup3.add(bet);
buttonGroup4.add(male);
buttonGroup4.add(female);
buttonGroup5.add(year);
buttonGroup5.add(month);
buttonGroup5.add(day);
buttonGroup5.add(on);
buttonGroup5.add(between);
and2.setVisible(false);
datevalue2.setVisible(false);
jSeparator11.setVisible(false);
D2.setVisible(false);

cases.setVisible(false);
agevalue1.setVisible(false);
```

```java
jSeparator5.setVisible(false);
and.setVisible(false);
r_oncology.setVisible(false);
    r_chest.setVisible(false);
    r_art.setVisible(false);
    jSeparator3.setVisible(false);

rr_casuality.setVisible(false);
    rr_op.setVisible(false);
    rr_speciality.setVisible(false);


    }

    private void r_chestActionPerformed(java.awt.event.ActionEvent evt) {
unit=" where op_unit=\"Chest Pulmonary Medicine\"";
    }

    private void op_unitActionPerformed(java.awt.event.ActionEvent evt) {
if(op_unit.isSelected())
{
    r_oncology.setVisible(true);
    r_chest.setVisible(true);
    r_art.setVisible(true);
}
else
{
  r_oncology.setVisible(false);
   r_chest.setVisible(false);
   r_art.setVisible(false);
   rr_casuality.setVisible(false);
   rr_op.setVisible(false);
   rr_speciality.setVisible(false);
   jSeparator3.setVisible(false);
   cases.setVisible(false);
}
    }

    private void r_oncologyActionPerformed(java.awt.event.ActionEvent evt) {
        unit=" where op_unit=\"Oncology\"";
        r_chest.setVisible(false);
```

```java
        r_art.setVisible(false);
        jSeparator3.setVisible(true);
       rr_casuality.setVisible(true);
       rr_op.setVisible(true);
       rr_speciality.setVisible(true);

    }

    private void rr_specialityActionPerformed(java.awt.event.ActionEvent evt) {
cat=" && category=\"Speciality\"";
      cases.setVisible(true);
jSeparator1.setVisible(true);
if(rr_speciality.isSelected())
{
   DefaultComboBoxModel dcm=(DefaultComboBoxModel) cases.getModel();
dcm.removeAllElements();

dcm.addElement("ALL");
dcm.addElement("NULL");
dcm.addElement("LIP ");
dcm.addElement("ORAL CAVITY-  TONGUE ");
dcm.addElement("ORAL CAVITY-  FLOOR OF MOUTH ");
dcm.addElement("ORAL CAVITY-   PALATE ");
dcm.addElement("ORAL CAVITY-  CHEEK MUCOSA ");
dcm.addElement("ORAL CAVITY-   BUCCAL MUCOSA ");
dcm.addElement("ORAL CAVITY-   RETROMOLAR AREA ");
dcm.addElement("PHARYNX-  TONSIL ");
dcm.addElement("PHARYNX-   UVULA ");
dcm.addElement("PHARYNX-  VALLECULA ");
dcm.addElement("PHARYNX-  OROPHARYNX ");
dcm.addElement("PHARYNX-   NASOPHARYNX ");
dcm.addElement("PHARYNX-  PYRIFORM SINUS ");
dcm.addElement("PHARYNX-  POST CRICOID ");
dcm.addElement("PHARYNX-  HYPOPHARYNX ");
dcm.addElement("LARYNX-   EPIGLOTTIS ");
dcm.addElement("LARYNX-    GLOTTIS ");
dcm.addElement("LARYNX-   SUPRAGLOTTIS ");
dcm.addElement("NASAL CAVITY ");
dcm.addElement(" MAXILLARY SINUS ");
dcm.addElement("PAROTID GLAND ");
```

```java
dcm.addElement("SUBMANDIBULAR GLAND ");
dcm.addElement("SUBLINGUAL GLAND ");
dcm.addElement("SALIVARY GLAND ");
dcm.addElement("VULVA ");
dcm.addElement("VAGINA ");
dcm.addElement("CERVIX ");
dcm.addElement("ENDOMETRIUM ");
dcm.addElement("UTERUS ");
dcm.addElement("OVARY ");
dcm.addElement("FALLOPIAN TUBE");
dcm.addElement("PLACENTA ");
dcm.addElement("BREAST ");
dcm.addElement("BRAIN-  ASTROCYTOMA ");
dcm.addElement("BRAIN-  GLIOBLASTOMA MULTIFORME ");
dcm.addElement("BRAIN-  MEDULOBLASTOMA ");

cases.setModel(dcm);
}
    }

    private void rr_opActionPerformed(java.awt.event.ActionEvent evt) {
cat=" && category=\"OP\"";
      cases.setVisible(true);
if(rr_op.isSelected())
{
   DefaultComboBoxModel dcm=(DefaultComboBoxModel) cases.getModel();
dcm.removeAllElements();
dcm.addElement("ALL");
dcm.addElement("NULL");
dcm.addElement("LYMPHOMA (NHL, DLBCL,HODGKIN'S DISEASE) ");
dcm.addElement("SARCOMA (SYNOVIAL SARCOMA, LIPOSARCOMA) ");
dcm.addElement("MALIGNANT MELANOMA");
dcm.addElement("SKIN");
dcm.addElement("LEUKEMIA(ALL, AML, CML,CLL) ");
dcm.addElement("LUNG(BRONCHOGENIC CARCINOMA) ");
dcm.addElement("ESOPHAGUS");
dcm.addElement("STOMACH");
dcm.addElement("GE JUNCTION");
dcm.addElement("OG JUNCTION");
dcm.addElement("CAECUM");
```

```java
dcm.addElement("RECTUM");
dcm.addElement("RECTOSIGMOID");
dcm.addElement("ANAL CANAL");
dcm.addElement("ANUS");
dcm.addElement("COLON");
dcm.addElement("BLADDER(GALL BLADDER, URINARY BLADDER) ");
dcm.addElement("PROSTATE");
dcm.addElement("RENAL CELL CARCINOMA(KIDNEY) ");
dcm.addElement("TESTIS");
dcm.addElement("PENIS");
dcm.addElement("HEPATO CELLULAR CARCINOMA(LIVER) ");
dcm.addElement("PERIAMPULLARY CARCINOMA (BILE DUCT) ");
dcm.addElement("MULTIPLE MYELOMA");
dcm.addElement("UNKNOWN PRIMARY");
dcm.addElement("INTESINES(SMALL INTESTINE, LARGE INTESTINE) ");
dcm.addElement("THYROID GLAND");
cases.setModel(dcm);
}
    }
 private void rr_casualityActionPerformed(java.awt.event.ActionEvent evt) {
        cat=" && category=\"Casuality\"";
        DefaultComboBoxModel dcm=(DefaultComboBoxModel) cases.getModel();
        dcm.removeAllElements();
        dcm.addElement("ALL");
        cases.setModel(dcm);

        cases.setVisible(false);
    }

private void searchMouseClicked(java.awt.event.MouseEvent evt) {
        String query="select ";
        try
        {
        Class.forName("java.sql.Driver");
        cn=DriverManager.getConnection("jdbc:mysql://localhost:3306/aocms","root","amrutha1996*")
;
        sql="select * from patients;";
        st=cn.createStatement();
        rs=st.executeQuery(sql);
        rs.next();
```

```java
{
  if(count.isSelected())
  {
   if(name.isSelected())
                query=query.concat(" count(name) ,");
   if(cr_number.isSelected())
                query=query.concat(" count(cr_number) ,");
   if(op_number.isSelected())
                query=query.concat(" count(op_number) ,");
   if(age.isSelected())
                query=query.concat(" count(age) ,");
   if(category.isSelected())
                query=query.concat(" count(category) ,");
   if(gender.isSelected())
                query=query.concat(" count(gender) ,");
   if(reference.isSelected())
                query=query.concat(" count(referenced_by) ,");
   if(op_unit.isSelected())
                query=query.concat(" count(op_unit) ,");
   if(diagnosis.isSelected())
                query=query.concat(" count(diagnosis) ,");
   if(date.isSelected())
                query=query.concat(" count(date) ,");
  }
 else
  { if(name.isSelected())
                query=query.concat(" name ,");

   if(cr_number.isSelected())
                query=query.concat(" cr_number ,");
   if(op_number.isSelected())
                query=query.concat(" op_number ,");
   if(age.isSelected())
                query=query.concat(" age ,");
   if(category.isSelected())
                query=query.concat(" category ,");
   if(gender.isSelected())
                query=query.concat(" gender ,");
   if(reference.isSelected())
```

```java
                query=query.concat(" referenced_by ,");
    if(opunit.isSelected())
                query=query.concat(" op_unit ,");
    if(diagnosis.isSelected())
                query=query.concat(" diagnosis ,");
    if(date.isSelected())
                query=query.concat(" date ,");
    }

    if(query.charAt(query.length() - 1)==',')
{
 query = query.substring(0, query.length()-1);
 query=query.concat("from patients");
}

    if(all1.isSelected())
    {
        query=query.concat(";");
    }
    else if(op_unit.isSelected())
    {
      if(r_oncology.isSelected()||r_chest.isSelected()||r_art.isSelected())
        query=query.concat(unit);
      {
        if(rr_casuality.isSelected()||rr_op.isSelected()||rr_speciality.isSelected())
        {
          query=query.concat(cat);

          if(!cases.getSelectedItem().equals("ALL"))
          {
            diag=" && Diagnosis=\""+cases.getSelectedItem()+"\"";
            query=query.concat(diag);
          }

        }
      }
    }
    if(agebox.isSelected())
    {
      if(!op_unit.isSelected())
```

```java
            {
               if(bet.isSelected())
                   query=query.concat(" where age between "+agevalue.getText()+" and
"+agevalue1.getText());
                 else query=query.concat(" where age"+ag+agevalue.getText());
            }

            else
            {
               if(bet.isSelected())
                   query=query.concat(" &&age between "+agevalue.getText()+" and
"+agevalue1.getText());
                 else query=query.concat(" &&age"+ag+agevalue.getText());
            }


       }
       if(genderbox.isSelected())
       {
          if(!(op_unit.isSelected()||agebox.isSelected()))
          query=query.concat(" where gender="+gen);

          else
             query=query.concat(" && gender="+gen);

       }

       if(datebox.isSelected())
       {
          if(!(op_unit.isSelected()||agebox.isSelected()||genderbox.isSelected()))
          {

             if(between.isSelected())
                 query=query.concat(" where"+dat+" between \'"+datevalue.getText()+"\' and
\'"+datevalue2.getText()+"\'");
                 else
                 query=query.concat(" where"+dat+"\'"+datevalue.getText()+"\'");
          }
       else
          {
```

```java
            if(between.isSelected())
                query=query.concat(" &&"+dat+" between \'"+datevalue.getText()+"\' and
\'"+datevalue2.getText()+"\'");
                else
            query=query.concat(" && "+dat+"\'"+datevalue.getText()+"\'");
          }

      }

      if(count.isSelected()&&all.isSelected())
         query="select count(*) from patients";
       else if(all.isSelected()&&!count.isSelected())
         query="select * from patients";

      }


      sql=query;
      st=cn.createStatement();
      rs=st.executeQuery(sql);
      TableModel model = DbUtils.resultSetToTableModel(rs);
      tabl.setModel(model);
      disp.setText("Your Search Result:");
      jPanel2.setVisible(true);
      jPanel1.setVisible(false);

}
catch(Exception e)
{       JOptionPane.showMessageDialog(null,"ERROR");            }
  }

private void allActionPerformed(java.awt.event.ActionEvent evt) {
      if(all.isSelected())
      {
               name.setEnabled(false);
                cr_number.setEnabled(false);
                 op_number.setEnabled(false);
                 age.setEnabled(false);
                  category.setEnabled(false);
```

```java
                    gender.setEnabled(false);
                    reference.setEnabled(false);
                    opunit.setEnabled(false);
                    diagnosis.setEnabled(false);
                    date.setEnabled(false);
        }
        else
        {
                    name.setEnabled(true);
                cr_number.setEnabled(true);
                 op_number.setEnabled(true);
                  age.setEnabled(true);
                  category.setEnabled(true);
                  date.setEnabled(true);
                  gender.setEnabled(true);
                    reference.setEnabled(true);
                    opunit.setEnabled(true);
                    diagnosis.setEnabled(true);
        }
          }

    private void all1ActionPerformed(java.awt.event.ActionEvent evt) {
if(all1.isSelected())
{
    op_unit.setEnabled(false);
    r_oncology.setVisible(false);
    r_chest.setVisible(false);
    r_art.setVisible(false);
    rr_casuality.setVisible(false);
    rr_op.setVisible(false);
    rr_speciality.setVisible(false);
    agebox.setEnabled(false);
    genderbox.setEnabled(false);
    greater.setVisible(false);
    datebox.setEnabled(false);
less.setVisible(false);
equal.setVisible(false);
le.setVisible(false);
ge.setVisible(false);
agevalue.setText("");
```

```java
agevalue.setVisible(false);
jSeparator4.setVisible(false);
bet.setVisible(false);
male.setVisible(false);
   female.setVisible(false);
    year.setVisible(false);
   month.setVisible(false);
   day.setVisible(false);
   on.setVisible(false);
   datevalue.setVisible(false);
   jSeparator10.setVisible(false);
   datevalue2.setVisible(false);
   jSeparator11.setVisible(false);
   D1.setVisible(false);
   D2.setVisible(false);
   between.setVisible(false);

}

else
{
    op_unit.setEnabled(true);
    agebox.setEnabled(true);
   genderbox.setEnabled(true);
    datebox.setEnabled(true);

}     }

   private void r_artActionPerformed(java.awt.event.ActionEvent evt) {
unit=" where op_unit=\"ART\"";
   }
   private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {
 jPanel1.setVisible(true);
jPanel2.setVisible(false);
   }
   private void greaterActionPerformed(java.awt.event.ActionEvent evt) {
        agevalue1.setVisible(false);
          jSeparator5.setVisible(false);
          and.setVisible(false);
          ag=">";
```

```java
    }

    private void lessActionPerformed(java.awt.event.ActionEvent evt) {
        agevalue1.setVisible(false);
          jSeparator5.setVisible(false);
          and.setVisible(false);
             ag="<";
    }
    private void leActionPerformed(java.awt.event.ActionEvent evt) {
 agevalue1.setVisible(false);
   jSeparator5.setVisible(false);
   and.setVisible(false);
      ag="<=";
    }

    private void equalActionPerformed(java.awt.event.ActionEvent evt) {
 agevalue1.setVisible(false);
   jSeparator5.setVisible(false);
   and.setVisible(false);
      ag="=";
    }

    private void ageboxActionPerformed(java.awt.event.ActionEvent evt) {
if(agebox.isSelected())
{
   greater.setVisible(true);
less.setVisible(true);
equal.setVisible(true);
le.setVisible(true);
ge.setVisible(true);
agevalue.setText("");
agevalue.setVisible(true);
jSeparator4.setVisible(true);
bet.setVisible(true);

}
else
{
greater.setVisible(false);
less.setVisible(false);
```

```java
equal.setVisible(false);
le.setVisible(false);
ge.setVisible(false);
agevalue.setText("");
agevalue.setVisible(false);
jSeparator4.setVisible(false);
bet.setVisible(false);
}

    }

    private void genderboxActionPerformed(java.awt.event.ActionEvent evt) {
if(genderbox.isSelected())
{
   male.setVisible(true);
   female.setVisible(true);
}
else
{
   male.setVisible(false);
   female.setVisible(false);
}

    }

    private void maleActionPerformed(java.awt.event.ActionEvent evt) {
gen="\'M\'";
    }

    private void femaleActionPerformed(java.awt.event.ActionEvent evt) {

gen="\'F\'";
    }

    private void betActionPerformed(java.awt.event.ActionEvent evt) {
if(bet.isSelected())
{
   agevalue1.setVisible(true);
   jSeparator5.setVisible(true);
   and.setVisible(true);
```

```java
       }
    }
    private void dateboxActionPerformed(java.awt.event.ActionEvent evt) {
if(datebox.isSelected())
{
    year.setVisible(true);
    month.setVisible(true);
    day.setVisible(true);
    on.setVisible(true);
    between.setVisible(true);
    datevalue.setVisible(true);
    jSeparator10.setVisible(true);
    datevalue.setVisible(true);
     D1.setVisible(true);
     jSeparator10.setVisible(true);
}
else
{
    year.setVisible(false);
    month.setVisible(false);
     D1.setVisible(false);
     D2.setVisible(false);
    day.setVisible(false);
    on.setVisible(false);
    between.setVisible(false);
    datevalue.setVisible(false);
    jSeparator10.setVisible(false);
    and2.setVisible(false);
    datevalue2.setVisible(false);
    jSeparator11.setVisible(false);
}
    }
    private void betweenActionPerformed(java.awt.event.ActionEvent evt) {
and2.setVisible(true);
datevalue2.setVisible(true);
jSeparator11.setVisible(true);
D2.setVisible(true);
D1.setText("YYYY/MM/DD");
D2.setText("YYYY/MM/DD");
dat=" date ";
```

```java
    }

    private void yearActionPerformed(java.awt.event.ActionEvent evt) {
datevalue2.setVisible(false);
D2.setVisible(false);
and2.setVisible(false);
jSeparator11.setVisible(false);
        D1.setText("YYYY");
dat=" YEAR(date)=";
    }
    private void monthActionPerformed(java.awt.event.ActionEvent evt) {
datevalue2.setVisible(false);
D2.setVisible(false);
and2.setVisible(false);
jSeparator11.setVisible(false);
D1.setText("MM");
dat=" MONTH(date)=";
    }
  private void dayActionPerformed(java.awt.event.ActionEvent evt) {
datevalue2.setVisible(false);
jSeparator11.setVisible(false);
and2.setVisible(false);
D2.setVisible(false);
D1.setText("DD");
dat=" day(date)=";
    }

    private void onActionPerformed(java.awt.event.ActionEvent evt) {
datevalue2.setVisible(false);
jSeparator11.setVisible(false);
and2.setVisible(false);
D2.setVisible(false);
D1.setText("YYYY/MM/DD");
dat=" date=";
    }
    private void jLabel11MouseClicked(java.awt.event.MouseEvent evt) {
        try{
                File file = new File("D:\\Desktop\\History.xls");
                if(!file.exists()){
                file.createNewFile();
```

```java
        }

    try (FileWriter fw = new FileWriter(file.getAbsoluteFile())) {
        BufferedWriter bw = new BufferedWriter(fw);
        for(int i=0;i<tabl.getColumnCount();i++)
        {
            fw.write(tabl.getColumnName(i)+"\t");
        }
        fw.write("\n");
        for(int i = 0; i < tabl.getRowCount(); i++){

            for(int j = 0; j < tabl.getColumnCount(); j++){
                bw.write(tabl.getModel().getValueAt(i, j)+"\t ");
            }
                bw.write("\n");
        }
            bw.close();
        }
            JOptionPane.showMessageDialog(null, "Data Exported");
            }catch(Exception ex){
            ex.printStackTrace();
            }
    }

    public static void main(String args[]) {
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(analysis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (InstantiationException ex) {
```

```java
java.util.logging.Logger.getLogger(analysis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(analysis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(analysis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new analysis().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel D1;
    private javax.swing.JLabel D2;
    private javax.swing.JCheckBox age;
    private javax.swing.JCheckBox agebox;
    private javax.swing.JTextField agevalue;
    private javax.swing.JTextField agevalue1;
    private javax.swing.JCheckBox all;
    private javax.swing.JCheckBox all1;
    private javax.swing.JLabel and;
    private javax.swing.JLabel and2;
    private javax.swing.JRadioButton bet;
    private javax.swing.JRadioButton between;
    private javax.swing.ButtonGroup buttonGroup1;
    private javax.swing.ButtonGroup buttonGroup2;
    private javax.swing.ButtonGroup buttonGroup3;
    private javax.swing.ButtonGroup buttonGroup4;
    private javax.swing.ButtonGroup buttonGroup5;
```

```java
private javax.swing.JComboBox<String> cases;
private javax.swing.JCheckBox category;
private javax.swing.JCheckBox count;
private javax.swing.JCheckBox cr_number;
private javax.swing.JCheckBox date;
private javax.swing.JCheckBox datebox;
private javax.swing.JTextField datevalue;
private javax.swing.JTextField datevalue2;
private javax.swing.JRadioButton day;
private javax.swing.JCheckBox diagnosis;
private javax.swing.JLabel disp;
private javax.swing.JRadioButton equal;
private javax.swing.JRadioButton female;
private javax.swing.JRadioButton ge;
private javax.swing.JCheckBox gender;
private javax.swing.JCheckBox genderbox;
private javax.swing.JRadioButton greater;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel7;
private javax.swing.JScrollPane jScrollPane2;
```

```java
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JSeparator jSeparator10;
    private javax.swing.JSeparator jSeparator11;
    private javax.swing.JSeparator jSeparator12;
    private javax.swing.JSeparator jSeparator3;
    private javax.swing.JSeparator jSeparator4;
    private javax.swing.JSeparator jSeparator5;
    private javax.swing.JSeparator jSeparator7;
    private javax.swing.JSeparator jSeparator8;
    private javax.swing.JSeparator jSeparator9;
    private javax.swing.JRadioButton le;
    private javax.swing.JRadioButton less;
    private javax.swing.JRadioButton male;
    private javax.swing.JRadioButton month;
    private javax.swing.JCheckBox name;
    private javax.swing.JRadioButton on;
    private javax.swing.JCheckBox op_number;
    private javax.swing.JCheckBox op_unit;
    private javax.swing.JCheckBox opunit;
    private javax.swing.JRadioButton r_art;
    private javax.swing.JRadioButton r_chest;
    private javax.swing.JRadioButton r_oncology;
    private javax.swing.JCheckBox reference;
    private javax.swing.JRadioButton rr_casuality;
    private javax.swing.JRadioButton rr_op;
    private javax.swing.JRadioButton rr_speciality;
    private javax.swing.JLabel search;
    private javax.swing.JTable tabl;
    private javax.swing.JRadioButton year;
    // End of variables declaration
}
```