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TOPIC: HOSTEL MANAGEMENT INFORMATION SYSTEM

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HOSTEL MANAGEMENT INFORMATION SYSTEM

“**Hostel Management Information System**” should maintain all the Hostel Student information. The Hostel environment consists of students, Fee, Room etc so the Hostel Management information system should maintain details of all students ie., their bio-data ,their personal Information etc. Fee details like Room rent ,Mess ,Management ,amount etc and also details like Room to which a particular student belong, their attendance, their Refund etc.

Therefore it is obvious that system maintains vast amounts of data. In such cases computerization of the system is inevitable. The ideal reasons for computerizing Hostel Management system are as follows.

PROJECT DESCRIPTION

This project deals with the Hostel Management System. This project is having different modules like new Student information creation form ,Fee information form, Attendance and Room Allotments forms.

This was submitted with One modules given below

1). Login Option:

If the user already contains an account in this system, this form permit to enter in to this Hotel Management system. Now he can use all the facilities provided by this Mailing System.

User Menu: Provides a way to give any commands to the Hostel Management System

the options include in the menu are

1. Student
2. Fee Details
3. Room Allotment
4. Attendance
5. Refunds
6. Exit

1. Student: This screen having option to enter entire details of student and have an option to save the Details. The fields in this screen are:

Studen ID: It is Uniquely identified by the each student

Stuname: Student Name.

Age: Age of the Student .

Address : Address of the student

Mobile: Mobile number of the student

2). Fee: If the user selects this option on the user menu the corresponding Fee details of the user will be displayed. To read the different fields, one option is provided as a save by clicking on the save button .

3) Attendance: Using these options the user can selects Attendance option , different student id's will be available , if u want a particular student id select one of them from the drop down list and enter corresponding details , finally save it by clicking save button.

4) Room Allotment: By clicking this option one more screen will be displayed on the screen is Room Allotment screen. This screen can be used to add new details to the database system. Here various listings of room with the room number and there floor name. Here we have various options.

Save: User to save the details of the student.

Modify: This option is used to update any student room allotment information.

5) Refund: By selecting options menu one more screen will be displayed, the screen is Refund amount Screen. This form will contains all information about balance amount, amount payee by the student and also fine details for a particular student. It contains following providers

Save: User to save the details of the student.

SYSTEM ANALYSIS

1.3 EXISTING SYSTEM

The existing system is a manually maintained system. All the Hostel Student details are entered into records manually.

Separate records are to be maintained for the details of each student, Fee details, Room Allocation, Attendance etc. All these details are entered and retrieved manually.

In such a system, if a particular student's is to be known, first track the identification number, then look in for the Room number he is stay in and based on that check for the Attendance and Refund record or related record.

1.4 Limitations of existing system:

As described earlier the existing manually maintained system is subject to many errors and disadvantages. The main disadvantages are as follows:

- Time Consuming: Retrieval of required data takes much time as the data is put at several places and one has to browse through many files to get even a small piece of data. Also the updating process, preparations of reports manually are all very time consuming.
- Inaccuracy: Maintenance of vast data manually has many chances of inaccuracy of data.

1.5 PROPOSED SYSTEM

The Proposed system is the computerized version of the existing system. It rectifies most of the pitfalls of the existing system and maintains databases of all the entities participating in the system.

Computerization provides easy and quick access over the data. Authorization schemes like giving passwords, encoding data can be used to maintain data security. Also data cannot be lost due to natural disasters.

Java has been chosen for this project because Java applications are portable across a wide range of platforms and operating systems. Java AWT controls provide tools to develop the package to be efficiently used by the end users.

SYSTEM REQUIREMENTS

2.1 Hardware Requirements

Processor : Pentium

RAM : 512MB

Hard Disk : 4GB

CD Drive : LG

Monitor : LG Monitor

Keyboard : Logitech

2.2 Software Requirements

Language : JAVA

Operating System : Windows XP Professional

Software : JAVA (Swings)

Tool : Command Prompt

Database : Oracle 8.0

SOFTWARE DESCRIPTION

JAVA FEATURE

The inventors of Java wanted to design a language, which would offer solutions to some of the problems encountered in modern programming. They wanted the language to be reliable, portable and distributed but also simple, compact and interactive. Sun Microsystems officially describes Java with the following attributes:

- Compiled and Interpreted
- Platform-Independent and Portable
- Object-oriented
- Robust and Secure
- Distributed
- Familiar, Simple and Small
- Multithreaded and Interactive
- High Performance
- Dynamic and Extensible

These features have made java the first application language of the World Wide Web.

➤ Compiled and Interpreted:

Usually a computer language is either compiled or interpreted. Java combines both these approaches thus making Java a two-stage System. First Java compiler translates the source code into what is known as the byte code instructions. Byte codes are not machine instructions and therefore, in the second stage, Java interpreter generates machine codes

that can be directly executed by the machine that is running the Java program. we can thus say that Java is both a compiled and interpreted language.

➤ **Platform-independent and Portable:-**

The most significant contribution of java over other languages is its portability. Java programs can be easily moved from one computer system to another, anywhere and anytime. we can download a Java applet from a remote computer onto our local system via Internet and execute it locally. Java ensures portability in two ways. First, Java compiler generates byte code instructions that can be implemented on any machine. Secondly, the sizes of the primitive data types are machine-independent.

➤ **Simple, Small and Familiar:-**

Java is a small and simple language .java does not use pointers, preprocessor header files, goto statements and many others. It also eliminates operator overloading multiple inheritance. Familiarity is another striking feature of java. Java is a simplified version of c++.

➤ **Multithreaded and Interactive:-**

Multithreaded means handling multiple tasks simultaneously. Java supports multithreaded programs.

This feature greatly improves the interactive performance of graphical applications.

➤ **High Performance:**

Java's performance is impressive for an Interpreted language, mainly due to the use of intermediate byte code. Java architecture is also designed to reduce overall overheads during runtime. The incorporation of multithreading enhances the overall execution speed of Java programs.

➤ **Dynamic and Extensible:**

Java is a dynamic language. Java is capable of linking in new class libraries, methods and objects. Java programs support functions written in other languages such as C and C++. These functions are known as native methods.

ABOUT ORACLE

Data base technology has been described as one of the most rapidly growing areas of computer and information science. It is know exaggeration to say that many thousands of organizations have become critically dependent on the continued and successful operations of a database system.

Overview OF RDBMS

RDBMS is the acronym for Relational Database Management System. A relational database is an extremely simple way of thinking about and managing data used in a business. The most famous RDBMS packages are Oracle , Sybase and Informix.

Introduction to Oracle

Oracle is the most widely used database in the world. It runs on virtually every kind of computer. Oracle is an object-relational database. Oracle8 (object Relational Database Management System) offers capabilities of both relational and object-oriented database systems. Objects can be defined as reusable software codes, which are location independent and perform a specific task on any application environment with little or no change to code.

Oracle products are based on a concept known as the 'Client/Server Technology'. This concept involves segregating the processing of an application between two systems. One performs all activities related to the

database and the other performs activities that help the user to interact with the application.

The database server or backend is used to manage the database tables optimally among the multiple clients who concurrently request the server for the same data. It also enforces data integrity across all the client applications and controls database access and other security requirements.

TOOLS FOR ORACLE:

The tools provided by Oracle are so users friendly that a person with minimum skills in the field of computers can access them with ease. The main tools are following:

- SQL*PLUS
- PL/SQL
- Forms
- Reports

SQL*PLUS

SQL*PLUS is a structured Query Language supported by Oracle. Through SQL * PLUS we can store, retrieve, edit enter and SQL commands and PL/SQL blocks. Using SQL * Plus we can perform calculations, list column definitions for any tale and can also format query result in the form of a report.

PL/SQL

PL/SQL is an extension of SQL. PL/SQL block can contain any number of SQL statements integrated with flow of control statements. Thus PL/SQL combines the data manipulating power of SQL with data processing power procedural languages.

FORMS

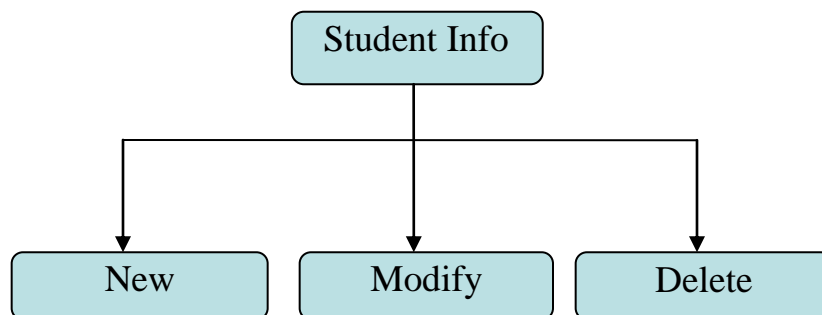
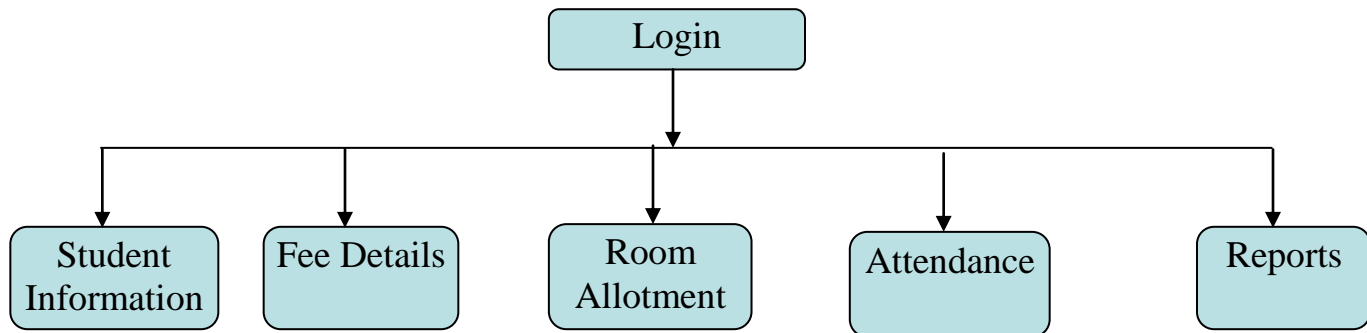
This is a graphical tool used for generating and executing Forms based application. A form basically comprises blocks and fields. Multiple tables can be accessed over a single form, based on the application with the help of transaction commands. Oracle Forms Builder is the design component of Oracle Forms.

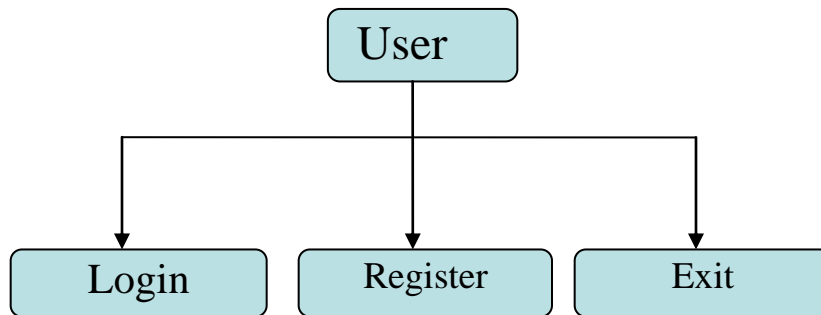
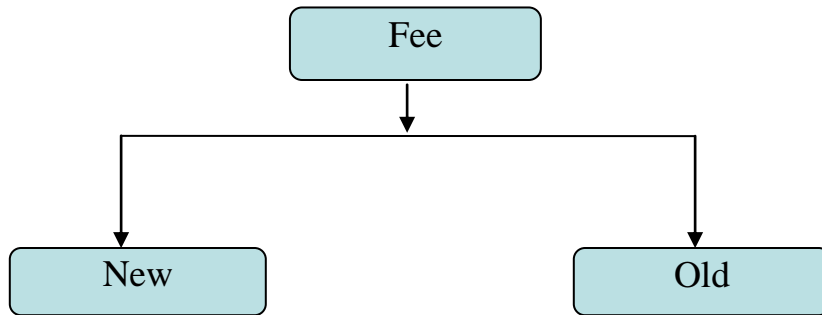
REPORTS

It is an application development tool for Oracle for developing, executing, displaying and printing reports. We can create a wide variety of reports, which have various modes.

SYSTEM DESIGN

3.1 Overall System Design Structure





3.2 DATA FLOW DIAGRAM

Data Flow Diagram graphically represents the flow of data through system and services as a model of system. It identifies the path that data take the processes that cause data and its final destination.

Logical DFD's are also found to be easier since they show the sequence of transmission or conversation of data by different process of the system.

DFD Symbols:

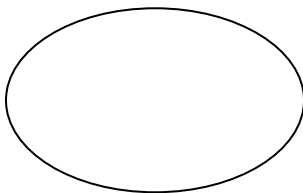
In DFD there are four symbols.



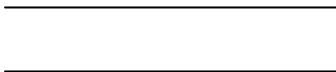
- Terminator defines a source or destination of system data.



- Arrow identifies data-flow data in motion. It is a pipeline through which information flow.

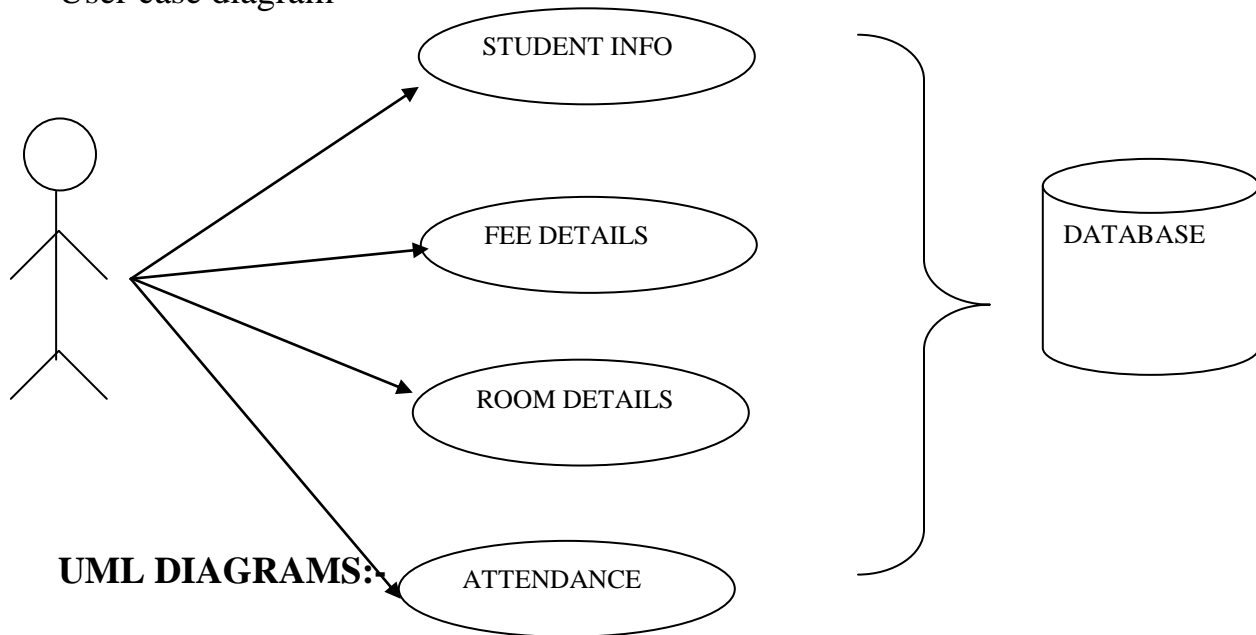


- Circle represents a process that transforms incoming data flows into outgoing data flow(s).



- An open rectangle is a data store

User case diagram



Level :0

Login

Level : 1

Student

Fee

Room

AttenDance

Level:2

Student	Fee	Room	Attendance
Student id, student name, age, gender, mobile	Student id, Total amt, Balance ,date	Student id, Room No, Floor Number	Student id, Total days, Present and absent days
Public void Student Public void setup Public void action	Public void Fee Public void setup Public void action	Public void Room Public void setup Public void action	Public void Attendance Public void setup Public void action

3.4 Database Design:-

Table Name: Student

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
Stuid	number	10	Primary Key	Student ID
Stuname	Varchar	15	Not null	Student Name
Fname	Varchar	15	Not null	Father Name
Age	Number	2	Not null	Age
Hostel	Varchar	15	Not null	Hostel Name
Gender	Varchar	6	Not null	Gender
Mob	Varchar	10	Not null	Mobile Number
Dat	Date		Not null	Date of Join

Table Name: Fee

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
Stuid	Number	10	Foreign Key	Student ID
No_mon	Number	2	Not null	No. of Months
Total_amt	Number	7,2	Not null	Total Amount
Date_Of_pay	Date		Not null	Date of pay
Amt_pay	Number	7,2	Not null	Amount Pay
Balance	Number	7,2	Not null	Balance

Table Name: Room

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
Stuid	Number	10	Foreign Key	Student ID
Course	Varchar2	5	Not null	Course Name
Room_No	Number	2	Not null	Room Number
Floor	Varchar2	1	Not null	Floor Name

Table Name: Attend

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
Stuid	Number	10	Foreign Key	Student ID
Total_days	Number	3	Not null	Total Days
Present_days	Number	3	Not null	Present Days
Absent_days	Number	3	Not null	Absent Days

SAMPLE CODING

Hostel Main Form:

```
package student.information.system;  
import java.awt.Dimension;  
import java.awt.Toolkit;  
import java.sql.Connection;
```

```

import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.GregorianCalendar;
import javax.swing.JOptionPane;

/**
 *
 * @author Hyrex
 */
public class MainMenu extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
     * Creates new form MainMenu
     */
    public MainMenu() {
        conn=db.java_db();
        initComponents();
        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jFormattedTextField1 = new javax.swing.JFormattedTextField();
        jPanel1 = new javax.swing.JPanel();

```

```

jButton5 = new javax.swing.JButton();
jPanel2 = new javax.swing.JPanel();
jButton1 = new javax.swing.JButton();
room = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jMenuBar1 = new javax.swing.JMenuBar();
jMenu1 = new javax.swing.JMenu();
 jMenuItem1 = new javax.swing.JMenuItem();
 jMenuItem2 = new javax.swing.JMenuItem();

jFormattedTextField1.setText("jFormattedTextField1");

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setResizable(false);

jPanel1.setBackground(new java.awt.Color(204, 255, 204));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Hostel Management System",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Rockwell Condensed", 1, 36), new java.awt.Color(0, 153,
153))); // NOI18N
jPanel1.setForeground(new java.awt.Color(255, 204, 0));
jPanel1.setLayout(null);

jButton5.setFont(new java.awt.Font("Lucida Bright", 1, 14)); // NOI18N
jButton5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/i
mages/logout.png"))); // NOI18N
jButton5.setText("Sign out");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});
jPanel1.add(jButton5);
jButton5.setBounds(660, 0, 120, 30);

```

```

jPanel2.setBackground(new java.awt.Color(204, 255, 204));
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"Menu", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Rockwell Condensed", 1, 24))); // NOI18N

```

```

jButton1.setBackground(new java.awt.Color(204, 204, 255));
jButton1.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N

```

```

jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/i
mages/Add.png"))); // NOI18N
jButton1.setText("Add Record");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

room.setBackground(new java.awt.Color(255, 213, 0));
room.setFont(new java.awt.Font("Rockwell Condensed", 1, 18)); //
NOI18N

```

```

room.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/i
mages/Add.png"))); // NOI18N
room.setText("ROOM");
room.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        roomActionPerformed(evt);
    }
});

```

```

jButton3.setBackground(new java.awt.Color(0, 255, 204));
jButton3.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N

```

```

jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/i
mages/Save-icon.png"))); // NOI18N
jButton3.setText("PAY FEES");

```

```

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                    .addComponent(jButton1,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 155, Short.MAX_VALUE)
                    .addComponent(room,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton3,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(9, Short.MAX_VALUE))
            );
        jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(room,
javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(
                        .addGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

        .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(214, Short.MAX_VALUE))
    );

    jPanel1.add(jPanel2);
    jPanel2.setBounds(20, 60, 180, 430);

    jLabel1.setIcon(new
javax.swing.ImageIcon("C:\\Users\\HP\\Documents\\NetBeansProjects\\hostels
_Information_System\\src\\student\\information\\system\\images\\host.png")); //
NOI18N
    jLabel1.setText("jLabel1");
    jPanel1.add(jLabel1);
    jLabel1.setBounds(200, 20, 590, 510);

    jMenu1.setText("File");

    jMenuItem1.setText("Audit");
    jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem1ActionPerformed(evt);
        }
    });
    jMenu1.add(jMenuItem1);

    jMenuItem2.setText("Users");
    jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem2ActionPerformed(evt);
        }
    });
    jMenu1.add(jMenuItem2);

    jMenuBar1.add(jMenu1);

    setJMenuBar(jMenuBar1);

```

```

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
799, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap()
                .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE, 517, Short.MAX_VALUE)
                .addGap())
            );

        pack();
    } // </editor-fold>

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
        Login j = new Login();
        j.setVisible(true);
        this.dispose();

        try{
            Date currentDate = GregorianCalendar.getInstance().getTime();
            DateFormat df = DateFormat.getDateInstance();
            String dateString = df.format(currentDate);

            Date d = new Date();
            SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
            String timeString = sdf.format(d);

            String value0 = timeString;
            String values = dateString;

```



```

        int value = Emp.empId;
        String reg = "insert into Audit (emp_id,date,status) values
("+value+", '"+value0+" / '"+values+"', 'Logged out')";
        pst=conn.prepareStatement(reg);
        pst.execute();
        this.dispose();
    }catch (Exception e){

        JOptionPane.showMessageDialog(null, e);

    }
    finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }

    }

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    admin j= new admin();
    j.setVisible(true);

}

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Audit_details j = new Audit_details();
    j.setVisible(true);
}

```

```

    }

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

        users j = new users();
        j.setVisible(true);
    }

    private void roomActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        users j = new users ();
        j.setVisible(true);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        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(MainMenu.class.getName()).log(java.util.lo
gging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

```

```

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

```

```

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

```

```

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

```

```

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

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton5;
private javax.swing.JFormattedTextField jFormattedTextField1;
private javax.swing.JLabel jLabel1;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton room;
// End of variables declaration

```

```

private void hidePanels() {
    throw new UnsupportedOperationException("Not supported yet."); //
Generated from

```

```

nbfs://nbhost/SystemFileSystem/Templates/Classes/Code/GeneratedMethodBo
dy
    }
}

```

Student Registration Form:-

```
package student.information.system;
```

```

import java.awt.Dimension;
import java.awt.Toolkit;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;

```

```

/**
 *
 * @author HP
 */
public class register extends javax.swing.JFrame {

```

```

    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    // private final Connection conn;

```

```

/**
 * Creates new form register
 */

```

```

public register() {
    initComponents();
    conn=db.java_db();
    Toolkit toolkit = getToolkit();
    Dimension size = toolkit.getScreenSize();
    setLocation(size.width/2 - getWidth()/2,

```

```

        size.height/2 - getHeight()/2);
    }

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is
always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jTabbedPane1 = new javax.swing.JTabbedPane();
    jPanel2 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jPanel3 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    txt_fname = new javax.swing.JTextField();
    txt_lname = new javax.swing.JTextField();
    txt_dob = new javax.swing.JTextField();
    txt_email = new javax.swing.JTextField();
    txt_phone = new javax.swing.JTextField();
    jLabel15 = new javax.swing.JLabel();
    txt_department = new javax.swing.JTextField();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    disability = new javax.swing.JComboBox<>();
    hostel = new javax.swing.JComboBox<>();
    gender = new javax.swing.JComboBox<>();
    jLabel3 = new javax.swing.JLabel();

```

```

jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTabbedPane1.setBackground(new java.awt.Color(200, 213, 0));

jTabbedPane1.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTabbedPane1.setTabLayoutPolicy(javax.swing.JTabbedPane.SCROLL_TAB_
LAYOUT);
jTabbedPane1.setTabPlacement(javax.swing.JTabbedPane.LEFT);
jTabbedPane1.setFont(new java.awt.Font("Mongolian Baiti", 1, 18)); //
NOI18N

jLabel2.setIcon(new
javax.swing.ImageIcon("C:\\Users\\HP\\Documents\\NetBeansProjects\\hostels
_Information_System\\src\\student\\information\\system\\images\\host.png")); //
NOI18N
jLabel2.setText("Announcement");

javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 567, Short.MAX_VALUE)
        .addGap(19, 19, 19))
    );
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)

```

```

        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel2,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(59, 59, 59))
    );

    jTabbedPane1.addTab("Instructions", jPanel2);

    jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

    jLabel4.setFont(new java.awt.Font("NSimSun", 1, 24)); // NOI18N
    jLabel4.setText("Register");

    jLabel1.setText("Fist_Name");

    jLabel5.setText("Last_Name");

    jLabel6.setText("Dob");

    jLabel7.setText("Gender");

    jLabel8.setText("Email");

    jLabel9.setText("Telephone");

    jLabel10.setText("Disability");

    jLabel11.setText("Hostel_name");

    txt_fname.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_fnameActionPerformed(evt);
        }
    });

    txt_email.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_emailActionPerformed(evt);
        }
    });

```

```

    }
});

jLabel15.setText("Department");

jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/student/information/system/i
mages/Save-icon.png"))); // NOI18N
jButton3.setText("Save");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setIcon(new
javax.swing.ImageIcon("C:\\Users\\HP\\Documents\\NetBeansProjects\\hostels
_Information_System\\src\\student\\information\\system\\images\\delete_16x16.
gif")); // NOI18N
jButton4.setText("Cancel");

disability.setFont(new java.awt.Font("Rockwell", 1, 14)); // NOI18N
disability.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Select", "Yes", "No" }));

hostel.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N
hostel.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Select...", "Bengahz", "Kamborge", "Viette", "Titanic" }));

gender.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N
gender.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Select..", "Male", "Female" }));

javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(

```



```

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(75, 75, 75)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel6,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel8,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel9,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel10,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addComponent(jLabel11))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()

```

```

        .addGap(24, 24, 24)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(txt_dob,
                javax.swing.GroupLayout.PREFERRED_SIZE, 248,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txt_email,
                javax.swing.GroupLayout.PREFERRED_SIZE, 248,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txt_phone,
                javax.swing.GroupLayout.PREFERRED_SIZE, 248,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txt_department,
                javax.swing.GroupLayout.PREFERRED_SIZE, 248,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txt_lname)
            .addComponent(txt_fname)
            .addComponent(hostel, 0,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(disability, 0,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addComponent(jButton3,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 82,
                    javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton4))))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel3Layout.createSequentialGroup()
                    .addGap(30, 30, 30)
                    .addComponent(gender,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 242,
                        javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(0, 174, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(204, 204, 204)

```

```

        .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 136,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel3Layout.createSequentialGroup())
            .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(12, 12, 12)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
            .addComponent(txt_fname,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
            .addComponent(txt_lname,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel5))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)

```

```

        .addComponent(txt_dob,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(gender,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING)
        .addComponent(jLabel8)
        .addComponent(txt_email,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(txt_phone,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel9))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING, false)
        .addComponent(jLabel10,
javax.swing.GroupLayout.DEFAULT_SIZE, 31, Short.MAX_VALUE)
        .addComponent(disability))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING, false)
    .addComponent(hostel,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGap(9, 9, 9)))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
    .addComponent(txt_department,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel15))
.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
    .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton4,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(99, Short.MAX_VALUE))
);

jTabbedPane1.addTab("Student Register", jPanel3);

jLabel3.setBackground(new java.awt.Color(255, 213, 0));
jLabel3.setFont(new java.awt.Font("Perpetua", 1, 24)); // NOI18N
jLabel3.setText("Hostel Management System");

jButton1.setFont(new java.awt.Font("Mongolian Baiti", 1, 18)); // NOI18N

```

```
jButton1.setIcon(new  
javax.swing.ImageIcon("C:\\Users\\HP\\Documents\\NetBeansProjects\\hostels  
_Information_System\\src\\student\\information\\system\\images\\erase-  
128.png")); // NOI18N  
jButton1.setText("Out");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});  
  
javax.swing.GroupLayout jPanel1Layout = new  
javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
  
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addComponent(jTabbedPane1)  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addComponent(jLabel3,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
  
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)  
        .addComponent(jButton1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 79,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addGap()  
    );  
jPanel1Layout.setVerticalGroup(  
  
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addGroup(jPanel1Layout.createParallelGroup(Alignment.TRAILING),  
            .addGroup(jPanel1Layout.createSequentialGroup()  
                .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE,  
                    20, Short.MAX_VALUE)  
            ),  
            .addPreferredGap(javax.swing.GroupLayout.DEFAULT_SIZE, true))  
        .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED)  
        .addComponent(jTabbedPane1, Alignment.LEADING, 60, Short.MAX_VALUE)  
        .addContainerGap()  
    )  
);
```

```

        .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE, 30, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jTabbedPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 515,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap()
);

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap()
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap()
    );

    pack();
} // </editor-fold>

```

```

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

```

```

        // TODO add your handling code here:
    }

    private void txt_emailActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        if(txt_fname.getText().isEmpty() ||txt_lname.getText().isEmpty()
        ||txt_dob.getText().isEmpty() || txt_email.getText().isEmpty()){

            JOptionPane.showMessageDialog(this,"Please Fill Empty Fields");
        }
        else{
            int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to
            add record?","Add Record",JOptionPane.YES_NO_OPTION);
            if(p==0){        // TODO add your handling code here:

                try {

                    String sql ="insert into student  values (null,?,?,?,?,?,?,?) ";

                    pst=conn.prepareStatement(sql);
                    // pst.setString(1,txt_id.getText());
                    pst.setString(1,txt_fname.getText());
                    pst.setString(2,txt_lname.getText());
                    pst.setString(3,txt_dob.getText());
                    pst.setString(4,(String)gender.getSelectedItem());
                    pst.setString(5,txt_email.getText());
                    pst.setString(6,txt_phone.getText());
                    pst.setString(7,(String)disability.getSelectedItem());
                    pst.setString(8,(String)hostel.getSelectedItem());
                    pst.setString(9,txt_department.getText());
                    pst.execute();
                    JOptionPane.showMessageDialog(null,"Data is saved successfully");

                }
                catch (Exception e)

                {

```



```

        JOptionPane.showMessageDialog(null,e);
    }
    finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }
    }

}

}

}

```

Admin Form:-

```

package student.information.system;

import java.awt.Dimension;
import java.awt.Toolkit;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;
import java.util.Date;
import java.util.Vector;

```

```

import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author HP
 */
public class admin extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;

    /**
     * Creates new form admin
     */
    public admin() {
        initComponents();
        conn=db.java_db();
        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);
        display();
        Update_table3();
    }
    int q;

    public void display()
    {
        try{
            pst = (PreparedStatement) conn.prepareStatement("select * from student");

            rs = pst.executeQuery();
            ResultSetMetaData stData = rs.getMetaData();

            q = stData.getColumnCount();
            DefaultTableModel RecordTable = (DefaultTableModel)jTable1.getModel();
            RecordTable.setRowCount(0);

            while(rs.next()){

```

```

Vector columnData = new Vector();

{
    columnData.add(rs.getString("id_no"));
    columnData.add(rs.getString("fname"));
    columnData.add(rs.getString("lname"));
    columnData.add(rs.getString("dob"));
    columnData.add(rs.getString("dob"));
    columnData.add(rs.getString("email"));
    columnData.add(rs.getString("telephone"));
    columnData.add(rs.getString("disability"));
    columnData.add(rs.getString("Hostel_name"));
    columnData.add(rs.getString("department"));
    RecordTable.addRow(columnData);
}
}
}
catch(Exception ex){
JOptionPane.showMessageDialog(null, ex);
}
}
private void Update_table3() {
try{

    String sql ="select * from student";

    pst=conn.prepareStatement(sql);
    rs=pst.executeQuery();
    jTable1.setModel(net.proteanit.sql.DbUtils.resultSetToTableModel(rs));

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

    try{
        rs.close();
        pst.close();
    }
}
}

```

```

    }
    catch(Exception e){
        //e.printStackTrace();
    }
}
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is
always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jPanel5 = new javax.swing.JPanel();
    jTextField8 = new javax.swing.JTextField();
    jButton9 = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    jLabel11 = new javax.swing.JLabel();
    txt_id = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    txt_fname = new javax.swing.JTextField();
    jLabel13 = new javax.swing.JLabel();
    txt_lname = new javax.swing.JTextField();
    jLabel14 = new javax.swing.JLabel();
    jLabel15 = new javax.swing.JLabel();
    gender = new javax.swing.JComboBox<>();
    jLabel16 = new javax.swing.JLabel();
    txt_email = new javax.swing.JTextField();
    jLabel17 = new javax.swing.JLabel();
    txt_phone = new javax.swing.JTextField();
    jLabel18 = new javax.swing.JLabel();
    disability = new javax.swing.JComboBox<>();

```

```

jLabel19 = new javax.swing.JLabel();
hostel = new javax.swing.JComboBox<>();
jLabel20 = new javax.swing.JLabel();
txt_department = new javax.swing.JTextField();
jButton5 = new javax.swing.JButton();
jButton6 = new javax.swing.JButton();
jButton7 = new javax.swing.JButton();
jButton8 = new javax.swing.JButton();
dob = new com.toedter.calendar.JDateChooser();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null, null, null, null, null, null, null},
        {null, null, null, null, null, null, null, null, null, null},
        {null, null, null, null, null, null, null, null, null, null},
        {null, null, null, null, null, null, null, null, null, null}
    },
    new String [] {
        "id", "Fname", "Lname", "Dob", "Gender", "Email", "Phone",
        "Disability", "Hostel_Name", "Department"
    }
));
jTable1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jTable1MouseClicked(evt);
    }
});
jScrollPane1.setViewportViewView(jTable1);

jPanel5.setBorder(javax.swing.BorderFactory.createTitledBorder("Search"));

javax.swing.GroupLayout jPanel5Layout = new
javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(

```

```
jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel5Layout.createSequentialGroup()  
        .addContainerGap()  
        .addComponent(jTextField8,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
        .addContainerGap()  
    );  
jPanel5Layout.setVerticalGroup(
```

```
jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel5Layout.createSequentialGroup()  
        .addContainerGap()  
        .addComponent(jTextField8,  
javax.swing.GroupLayout.PREFERRED_SIZE, 30,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE))  
    );
```

```
jButton9.setBackground(new java.awt.Color(200, 213, 0));  
jButton9.setText("<<Back");  
jButton9.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton9ActionPerformed(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel1Layout = new  
javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(
```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addContainerGap()
```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addComponent(jScrollPane1)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jPanel5,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton9)
    .addGap(3, 3, 3)))
.addContainerGap()
);
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
    .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel5,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(16, 16, 16)
            .addComponent(jButton9,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 495,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(13, Short.MAX_VALUE))

```

```

);

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"RECORD INFORMATION",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Rockwell Condensed", 1, 24))); // NOI18N

jLabel11.setText("ID");

jLabel12.setText("First_Name");

jLabel13.setText("Last_Name");

jLabel14.setText("Dob");

jLabel15.setText("Gender");

gender.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N
gender.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Select...", "Male", "Female" }));

jLabel16.setText("Email");

jLabel17.setText("Telephone");

jLabel18.setText("Disability");

disability.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N
disability.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Select..", "Yes", "No" }));

jLabel19.setText("Hostel_Name");

hostel.setFont(new java.awt.Font("Rockwell Condensed", 1, 14)); //
NOI18N
hostel.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Select...", "Bengahz", "Kamborge", "Viette", "Titanic" }));

```



```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addComponent(jLabel20)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(6, 6, 6)
        .addComponent(jButton5)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addComponent(jButton6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton7)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
    .addComponent(jButton8))
    .addComponent(txt_department)))
    .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
    .addComponent(jLabel17)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(6, 6, 6)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
            .addComponent(jLabel15)
            .addComponent(jLabel16,
javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel14)
            .addComponent(jLabel13))))
.addGap(18, 18, 18))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
            .addComponent(jLabel12,
javax.swing.GroupLayout.PREFERRED_SIZE, 65,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(11, 11, 11))))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
            .addComponent(txt_phone)
            .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING, false)
            .addComponent(txt_fname)
            .addComponent(txt_id)
            .addComponent(txt_lname)
            .addComponent(gender, 0, 236, Short.MAX_VALUE)
            .addComponent(txt_email)

```

```

        .addComponent(dob,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE))))
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addComponent(jLabel19)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)
        .addComponent(hostel, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jLabel18)
            .addGap(34, 34, 34)
            .addComponent(disability, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addGap(31, 31, 31))
    );
    jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(40, 40, 40)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
            .addComponent(txt_id,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)

```

```

        .addComponent(txt_fname,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel12))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jLabel13)
        .addComponent(txt_lname,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(12, 12, 12)
                .addComponent(jLabel14))
        .addGroup(jPanel3Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(dob,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(gender,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel15,
javax.swing.GroupLayout.Alignment.TRAILING))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_email,
        javax.swing.GroupLayout.PREFERRED_SIZE, 29,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel16,
        javax.swing.GroupLayout.PREFERRED_SIZE, 35,
        javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(9, 9, 9)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel17)
    .addComponent(txt_phone,
        javax.swing.GroupLayout.PREFERRED_SIZE, 29,
        javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel18,
        javax.swing.GroupLayout.PREFERRED_SIZE, 26,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(disability,
        javax.swing.GroupLayout.PREFERRED_SIZE, 32,
        javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(20, 20, 20)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel19)
    .addComponent(hostel,
        javax.swing.GroupLayout.PREFERRED_SIZE, 31,
        javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel20)
```

```

        .addComponent(txt_department,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
        .addComponent(jButton6,
javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton5,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton8,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton7,
javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(26, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

        .addComponent(jPanel1,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap()
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jPanel1,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap()
            .addGroup(layout.createSequentialGroup()
                .addGap(15, 15, 15)
                .addComponent(jPanel3,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            );

    pack();
} // </editor-fold>

```

```

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int selectedRow = jTable1.getSelectedRow();
    DefaultTableModel model = (DefaultTableModel)jTable1.getModel();
    txt_id.setText(model.getValueAt(selectedRow, 0).toString());
    txt_fname.setText(model.getValueAt(selectedRow, 1).toString());
    txt_lname.setText(model.getValueAt(selectedRow, 2).toString());
    txt_email.setText(model.getValueAt(selectedRow, 5).toString());
    txt_phone.setText(model.getValueAt(selectedRow, 6).toString());
    txt_department.setText(model.getValueAt(selectedRow, 9).toString());
    gender.setSelectedItem(model.getValueAt(selectedRow, 4).toString());
}

```



```

        disability.setSelectedItem(model.getValueAt(selectedRow, 7).toString());
        hostel.setSelectedItem(model.getValueAt(selectedRow, 8).toString());
        dob.setDate((Date) model.getValueAt(selectedRow, 3));
    }

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
//add record into database
if(txt_fname.getText().isEmpty() ||txt_lname.getText().isEmpty() ||
txt_email.getText().isEmpty()){

    JOptionPane.showMessageDialog(this,"Please Fill Empty Fields");
}
else{
    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to
add record?","Add Record",JOptionPane.YES_NO_OPTION);
    if(p==0){        // TODO add your handling code here:

        try {
            String sql ="insert into student  values (null,?,?,?,?,?,?,?,?) ";

            pst=conn.prepareStatement(sql);
            // pst.setString(1,txt_id.getText());
            pst.setString(1,txt_fname.getText());
            pst.setString(2,txt_lname.getText());
            pst.setString(3, dob.getDate().toString());
            pst.setString(4,(String)gender.getSelectedItem());
            pst.setString(5,txt_email.getText());
            pst.setString(6,txt_phone.getText());
            pst.setString(7,(String)disability.getSelectedItem());
            pst.setString(8,(String)hostel.getSelectedItem());
            pst.setString(9,txt_department.getText());
            pst.execute();
            JOptionPane.showMessageDialog(null,"Data is saved successfully");
            display();

        }
        catch (Exception e)

        {
            JOptionPane.showMessageDialog(null,e);

```

```

    }
    finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }

    }

}

}

}

}

}

}

}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to
update?", "Update Record",JOptionPane.YES_NO_OPTION);
    if(p==0){

        try{

            String value1 = txt_id.getText();
            String value2 = txt_fname.getText();
            String value3 = txt_lname.getText();
            String value6 = txt_email.getText();
            String value7 = txt_phone.getText();
            String value10 = txt_department.getText();
            Date value4 = dob.getDate();
            String value5 = (String) gender.getSelectedItem();
            //String value6 = txt_tel.getText();

```

```
String value8 = (String)disability.getSelectedItemAt();
String value9 = (String)hostel.getSelectedItemAt();
```

```
String sql= "update Student set
id_no='"+value1+"',fname='"+value2+"', lname='"+value3+"', "
+
"Dob='"+value4+"',email='"+value6+"',telephone='"+value7+"',department=
 '"+value10+"', "
+ "hostel_name='"+value9+"',gender='"+value5+"'"
+ "where id_no='"+value1+"' ";
```

```
pst=conn.prepareStatement(sql);
pst.execute();
JOptionPane.showMessageDialog(null, "Record Updated");
display();
} catch (Exception e) {
JOptionPane.showMessageDialog(null, e);
}
}

}
```

```
private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
txt_id.setText("");
txt_fname.setText("");
txt_lname.setText("");
//dob.setDate("");
gender.setSelectedItemAt("");
txt_email.setText("");
txt_phone.setText("");
disability.setSelectedItemAt("");
hostel.setSelectedItemAt("");
txt_department.setText("");

}
```

```

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    //delete record
    String sql ="delete from student where id_no=? ";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1,txt_id.getText());
        pst.execute();

        JOptionPane.showMessageDialog(null,"Record Deleted");
        display();
    }catch(Exception e){

        JOptionPane.showMessageDialog(null, e);
    }finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }

    }
}

```

```

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    MainMenu n= new MainMenu();
    n.setVisible(true);
    this.dispose();
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

```

```

    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the
default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    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(admin.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

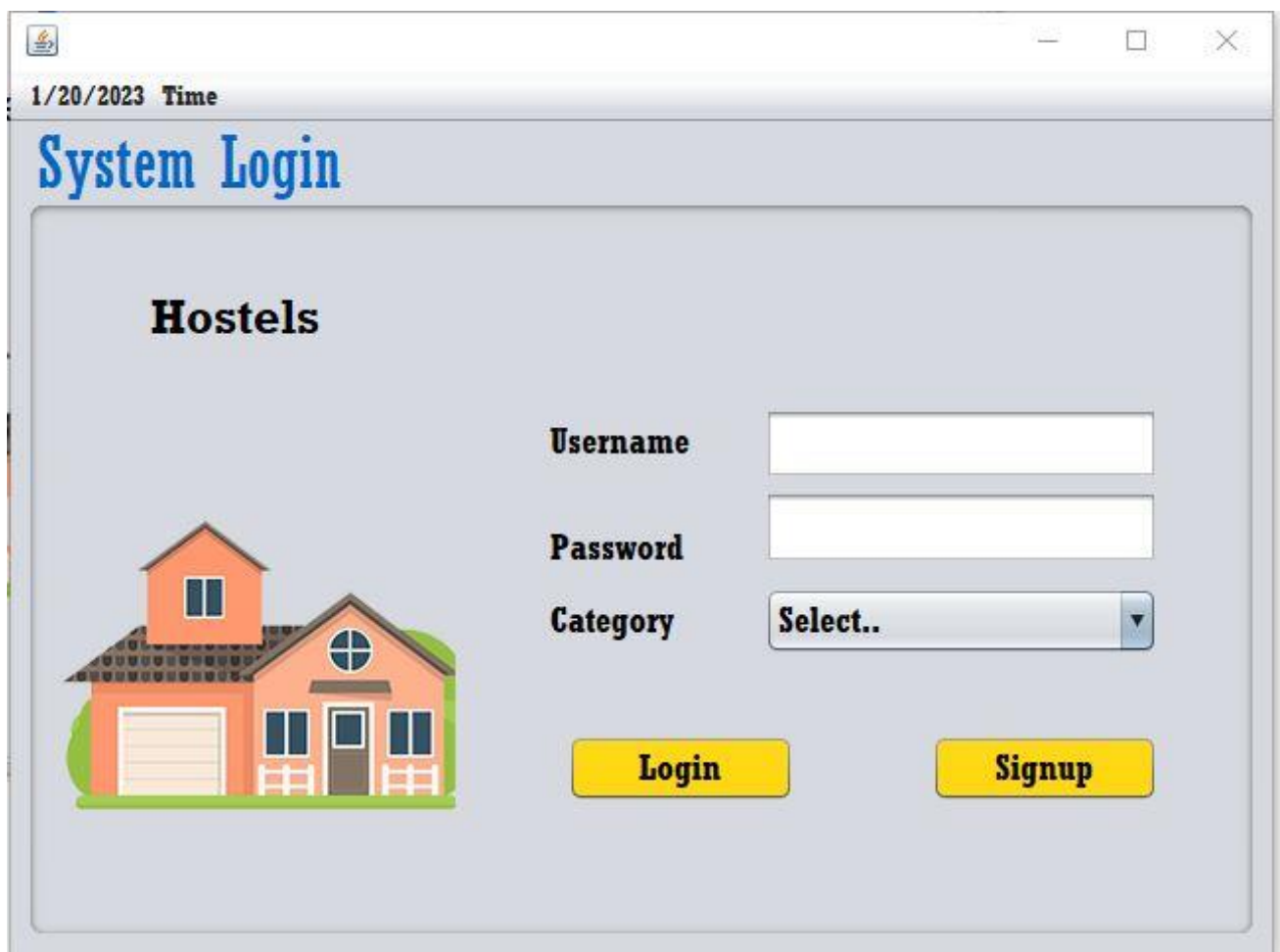
java.util.logging.Logger.getLogger(admin.class.getName()).log(java.util.loggin
g.Level.SEVERE, null, ex);
    }
    //</editor-fold>

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

```

```
});  
}
```

SCREENS




The screenshot shows a web application window titled "System Login". The window has a standard Windows-style title bar with a minimize button, a maximize button, and a close button. Below the title bar, the date and time "1/20/2023 Time" are displayed. The main content area has a light blue background. At the top left of the content area, the word "Hostels" is written in a bold, black, serif font. Below this, there is a colorful illustration of a two-story house with a red roof, orange walls, and a white garage door. To the right of the illustration, there are three input fields: a "Username" field, a "Password" field, and a "Category" dropdown menu with "Select.." as the current selection. Below these fields are two yellow buttons: "Login" and "Signup".

System Login

1/20/2023 Time

Hostels



Username

Password

Category

Login **Signup**

Login Form



MainMenu Page form

File 11/21/2022 3:13:51

Search

Student ID :

Logged in As : 0

<<Back

Record Information

Student ID :

First name :

Surname :

Date of Birth :

Gender:

Email :

Contact Number :

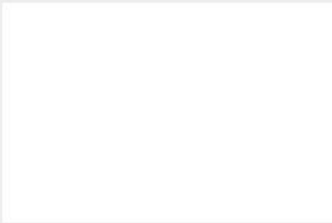
Address Line 1 :

Address Line 2 :

Apt./House No :

Course code

image



Save

Update

Clear

Delete

id	first_name	E...	surname	ge...	Te...	...	dob	Add...	Ap...	cour...	Ima...
4	uwera	u...	sandrine	fe...	78...	...	121...	but...	be...	3	hhh...
31	worpw	rw...	rw	rw	24...	...	rw	rw	rw	2	wri...

Student Information form

HOSTEL MANAGEMENT SYSTEM

Back

Hostel Record

ID

Names

Select...

Room Number

Student Number

Add

Update

Delete

Clear

ID	Names	Room_numbers	Number_of_student
----	-------	--------------	-------------------

Room form

65

DateTime

Hostels

CREATE ACCOUNT

Username

Password

Division

Select...▼

Signup

Login

Signup form

Hostel Management System

Out

Instructions

Student Register

Register

Fist_Name

Last_Name

Dob

Gender

Select..

Email

Telephone

Disability

Select

Hostel_name

Select...

Department

Save

Cancel

Users Form

The image shows a Java Swing window titled "Hostel Management System". Inside the window, there is a sidebar on the left with three buttons: "Welcome", "Payment" (which is currently selected), and "Register". The main area of the window is titled "Payment modes". Below this title, there is a form with five input fields, each with a label to its left: "Names", "Mobile", "Amount", "Reason", and "Date". The "Date" field has a small calendar icon to its right. At the bottom of the form, there are two buttons: "Pay" and "Cancel". The window has standard Windows-style title bar controls (minimize, maximize, close) in the top right corner. The taskbar at the bottom of the screen shows various application icons.

Payement Form

SYSTEM IMPLEMENTATION

4.1 METHODOLOGY USED FOR TESTING

System testing is aimed at ensuring that the system works accurately and efficiently before live operation commences. The system should be test data, specifically designed to show that the system will operate successfully in all aspects and produce expected result under expected condition. The system tests data and the results of processing are maintained throughout the operational life of the system for audit purpose or test any subsequent amendments.

System testing is a critical element of software quality assurance and represents the ultimate review of specifications, design and coding. Testing is a process of executing program with the intention of finding error. A good test is one, which has a high probability of finding undiscovered errors. In other words, possible aim of testing is to find faults in the software.

Module Testing

Module testing is a process of testing the system module by module, what are all the input given and what are all the output produced and whether they are required by testing in this method.

We would be very clear of the bugs occurred. The project matrimonial is tested module wise.

Unit Testing

In this testing we test each module individually and integrate with the overall system. Unit testing focuses verification efforts on the smallest unit software design in the module. This is also known as module testing is carried out during

programming stage itself. The fields are validated for perfect working of the project. In this step each module is found to working satisfactorily as regard to the expected output from the module. There are some validation checks for fields also. For example validation is done for verifying the data input given by the user, which both the formats and validating of the data entered. It is very easy to find error and debug the system.

Integrated Testing

Data can be lost across an interface one module can have an adverse effect on the other sub functions, when combined, may not produce the desired major functions. Integration testing is the systematic testing for constructing the uncover errors within the interface. The testing was done with sample data. The developed system has run successfully for this sample data. The need for integrated is to find the over all system performance.

Validation Testing

At the culmination of the block box testing, software is completely assembled as a package, interfacing errors have been uncovered and corrected and a final series of software tests that is validation tests begins validation testing can be defined in many ways but a simple definition is that validation succeeds when the software functions in a manner that can be reasonably expected be the customer the project is validated.

4.2 SYSTEM IMPLEMENTATION

Implementation is one of the most important tasks in project development. Implementation is the phase, in which one has to be cautious because all the errors undertaken during the project will be fruitful only if the software is properly implemented according to the plans made.

The implementation phase is less creative than system design. It is primarily concerned with user training site preparation and file conversion. This project can be implemented in efficient and user-friendly manner by using the controls.

- ❧ For description, Label Boxes are used.
- ❧ In order to get inputs, Text Boxes are used.
- ❧ Drop down List Boxes are used for selecting one input from multiple choices.
- ❧ Command buttons are used to perform necessary action.
- ❧ Data controls are used where ever necessary.
- ❧ A data Grid, which is one of the feature's of Java, is used to prepare reports.
- ❧ JDBC is used in order to connect database and queries.

Depending on the nature of the system, extensive user training may be required. Programming itself is a design work. The initial parameters of the Management Kit should be modified as a result of programming efforts; programming provides a reality test from the assumptions made by the analyst.

The major elements of the implementation plans are as follows:

- Test plans
- Training plans
- Equipment Installation plans
- Conversation of Installation plans
- Conversation plans

CONCLUSION

5. CONCLUSION

The project titled as "**Hostel Management Information System** " been designed with much care, with the intention easier and the more complexity involved is presented in a simple and lucid style.

The Hostel Management System works in a similar fashion as that of an Hotel Management System. The various Department student information is to be stored and retrieve any time when required.

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