PROJECT TITLE: ENLACEMENT

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ABSTRACT: The Project entitled "ENLACEMENT" is an online placement cell on which companies provide details of job vacancies in their company which is further visible to college students and then the students can apply in any job as per the eligibility criteria and their wish.
 This project will be done using JAVA SWING as the front end, and MySQL as the backend.
This project is mainly useful to college students as while using this platform the students don't need to search for jobs on multiple websites. They can get all the info on one single platform.
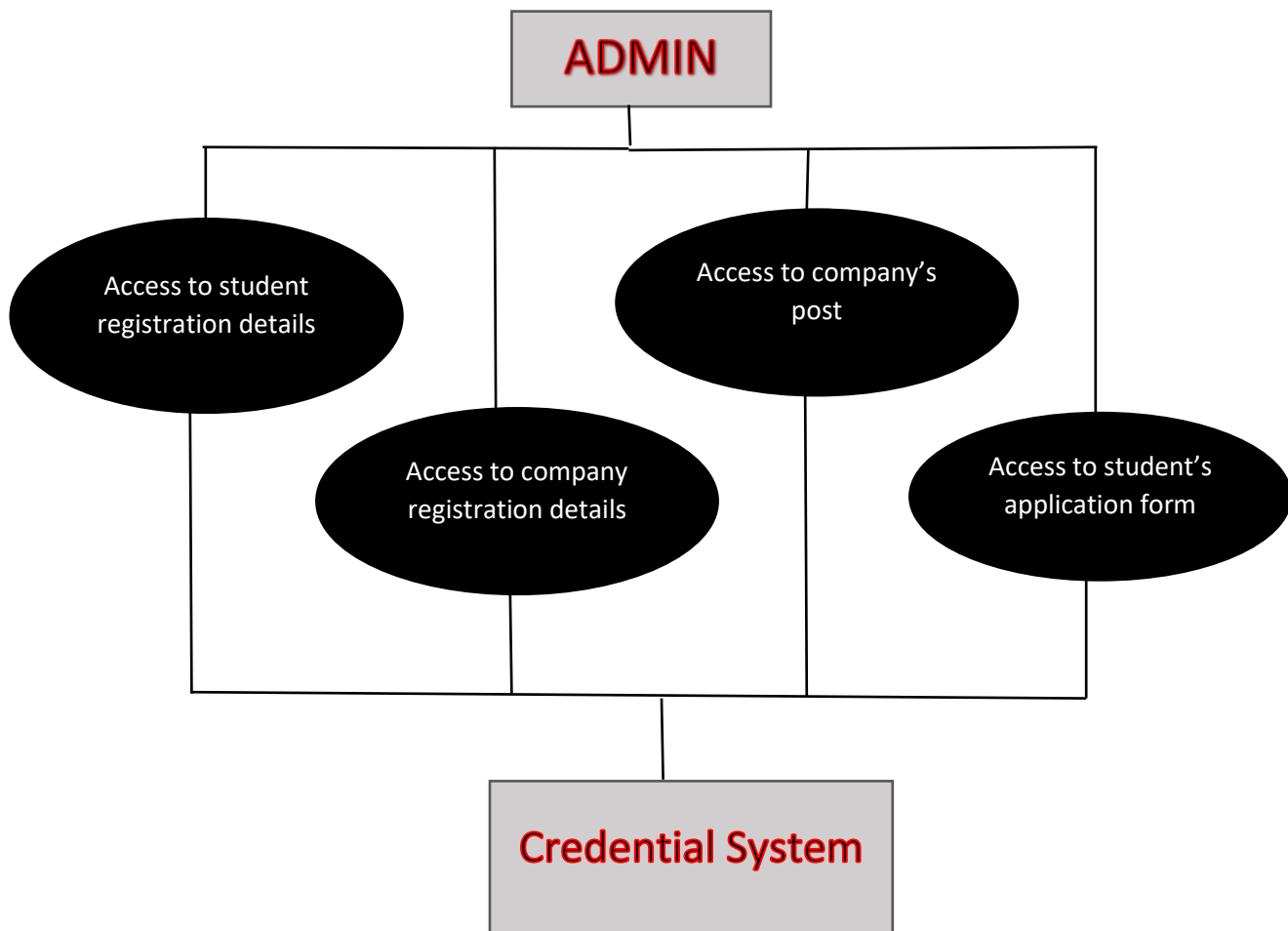
OBJECTIVE: The main motive behind creating this project of ONLINE PLACEMENT CELL is to make connections between college students and companies, that further leads to enhanced Job Information discovery and delivery. On this platform, whatever the information Training and Placement Office (TPO) has to pass to the students, that can be informed directly to the students by the companies.
It reduces the paper work and storage area. Saves time and work load for TPO staff. Avoid fake entry. Easy to access. Improve accuracy in results.

INTRODUCTION: Enlacement means to entwine or enlace something together. Giving justice to its name, our java programs main motive is to enlace college students to their dream job. Enlacement is a college placement portal that allows companies to post their job application and internship post that can directly be viewed by the students. Students and companies can only access the portal
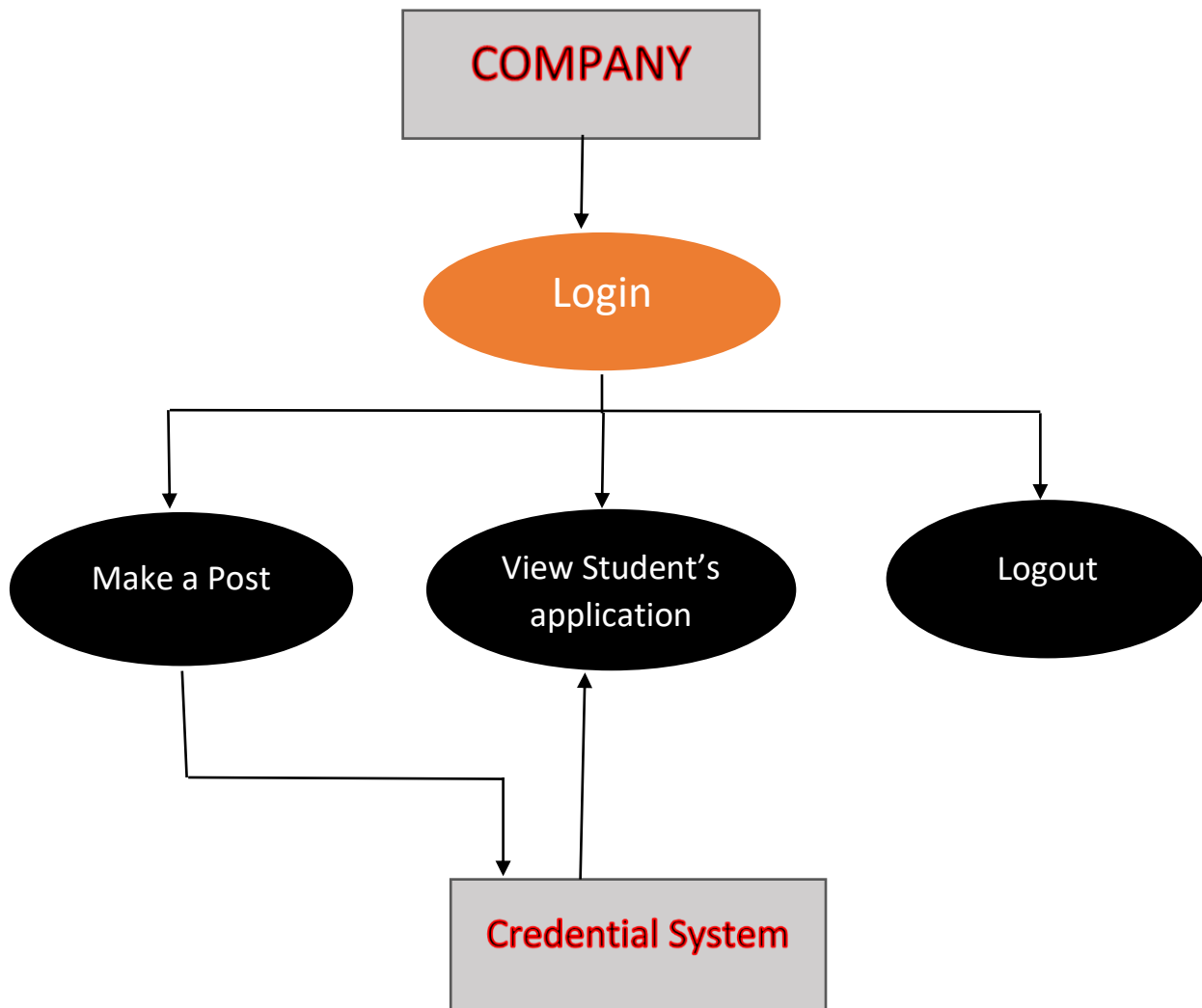
through a special username and password which they generate through registration on this platform.

- **ADMIN:** The admin, which is a college in this project, has access to the database in which complete details of company registration, company's job post, student registration, student application form details is stored.

ADMIN

Access to student registration details

Access to company's post

Access to company registration details

Access to student's application form

Credential System

- **COMPANY:** Companies can login through their username and password after registration is done successfully. The Company Dashboard page will be visible to them after login. Then they can post job application details and will assign a unique job code to every post. The application form details of the students who will apply in their company will be visible to them. Companies can then shortlist the students as per their requirements. They

can then notify the students about the interviews or can communicate with students directly.

```
        ┌─────────────────┐
        │    COMPANY      │
        └────────┬────────┘
                 │
                 ▼
            ╭─────────╮
            │  Login  │
            ╰────┬────╯
    ┌────────────┼────────────┐
    ▼            ▼            ▼
╭────────╮  ╭──────────╮  ╭────────╮
│ Make a │  │   View   │  │ Logout │
│  Post  │  │Student's │  ╰────────╯
╰────┬───╯  │applicatn │
     │      ╰────▲─────╯
     │           │
     ▼           │
  ┌──────────────────────┐
  │  Credential System   │
  └──────────────────────┘
```

- **STUDENT:** Students can access the portal through their username and password after the registration is done successfully. The Student Dashboard page will be now visible to them. Students can go through all the job details and eligibility criteria. They can now apply in any job by filling their details and the unique job code, provided in every job post, in the application form visible to them. They can directly connect with the companies for any queries. If selected they will be contacted by the company. They are also

provided with an option in which they can view the details of all the companies in which they have applied whenever they want.
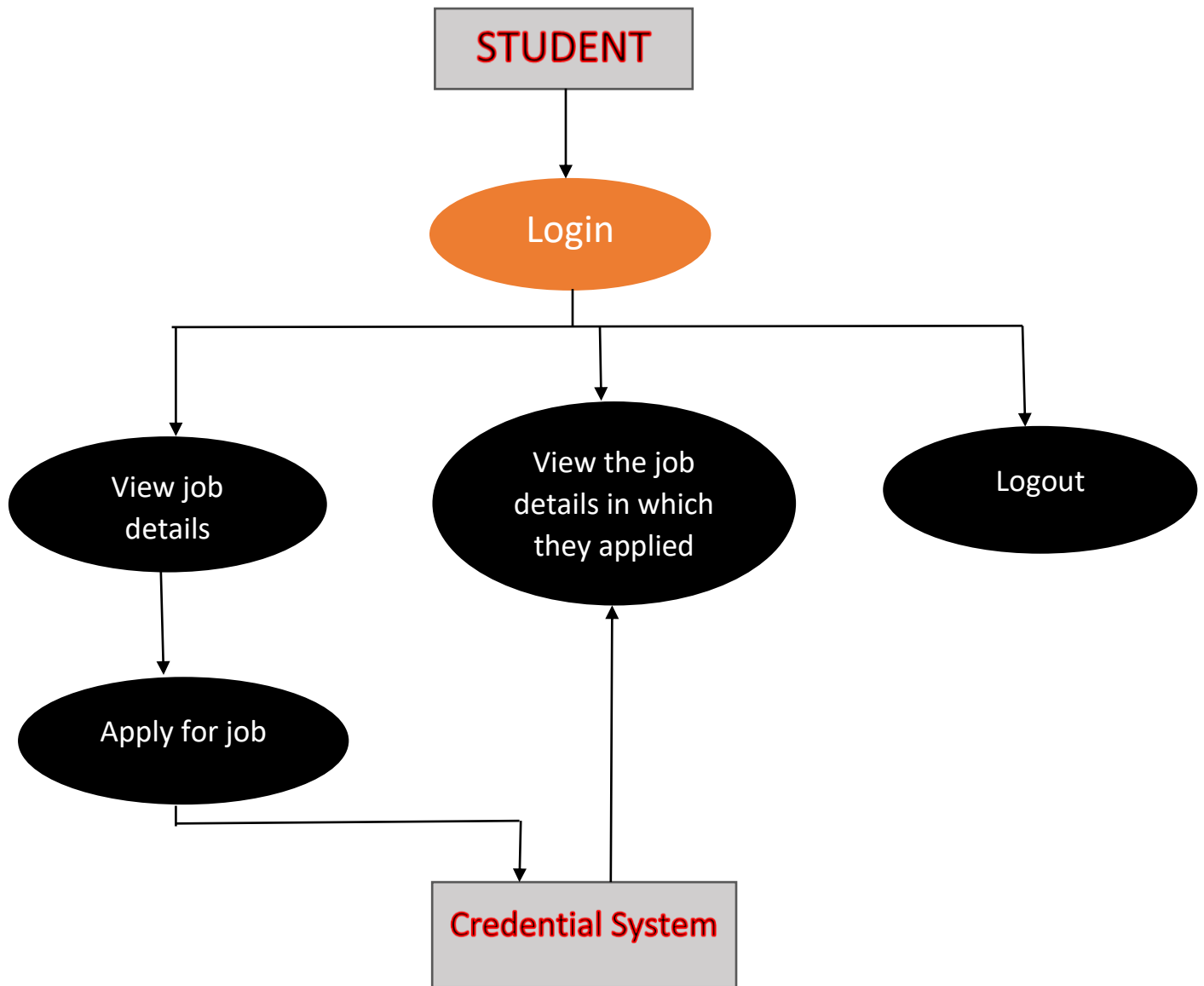
TOOLS & PLATFORM TO BE USED:

Hardware Requirements:

Processor: Pentium 4 or above

RAM: 512 MB or above

Hard Disk: 40 GB or above

Software Requirements:

Operating System: Windows XP or above

Platform: Eclipse IDE

Back End: DB2(IBM Database)

Technologies Used:

We have used Java, Java SWING for Desktop Application and DB2 for the database.

JAVA

Java is a high-level programming language originally developed by Sun Micro System and released in 1995. Java runs on a variety of platforms, such as Windows, macOS, and the various versions of UNIX. Java is one of the world's most important and widely used computer languages, and it has had this distinction for many years. Unlike some other computer languages whose influence has varied with time, Java's has grown. Till today it is the first and best choice for developing console/web-based applications.

Creation of Java

Java was developed by James Gosling, Patrick Naughton, Mike Sheridan at Sun Microsystems Inc. in 1991. It took 18 months to develop the first working version. The initial name was Oak but was renamed Java in 1995. James Gosling initiated the Java language project in June 1992 for use in one of his many set-top box projects. The language, initially called Oak after an oak tree that stood outside goslings office, also went by the name Green and ended up later being renamed as Java from a list of random words. Sun released the first public implementation as Java 1.0 in 1995. It promised Write Once, Run Anywhere (WORA), providing no-cost runtimes on popular platforms.

Application of Java

Java is widely used in every corner of the world and of human life. Java is not used in software but is also used in designing hardware controlling software components. There are more than 930 million JRE downloads every year and 3 billion phones run Java. Following are a few applications of Java: ● Developing desktop application

● Web applications like LinkedIn

● Mobile OS like android

● Embedded system

● Robotics and games etc.

Features of Java

The prime reason behind the creation of Java was to bring portability and security features into a computer language. Besides these two major reasons, many other features played an important role in molding out the final form of this outstanding language. Those features are:

Simple: Java is easy to learn and its syntax is quite simple, clean, and easy to understand. The confusing and ambiguous concepts of C++ are either left out in Java or have been re-implemented more cleanly.

Example: pointers and operators overloading or not there in Java but you are an important part of C++.

Object-oriented: In Java, everything is an Object which has some data and behavior. Java can be easily extended as it is based on Object Model.

Robust: Java makes an effort to eliminate errors prone codes by emphasizing mainly compile-time error checking and runtime checking. But the main areas which Java improved were Memory Management and mishandled Exceptions by introducing automatic Garbage Collector and Exception and Exception Handling.

Platform Independent: Unlike other programming languages such as C, C++ etc. which are compiled into platform-specific machines. Java is guaranteed to be write-once, run anywhere language. On compilation, Java programs are compiled into bytecode. This bytecode is platform-independent and can be run on any machine, plus this bite code format also provides security. Any machine with Java Runtime Environment can run Java programs.

Secure: When it comes to security, Java is always the first choice. With Java secure features it enabled us to develop virus-free, temporary systems. Java

programs always run in a Java runtime environment with almost null interaction with system OS, hence it is more secure.

Multi-Threading: Java multithreading features make it possible to write a program that can do many tasks simultaneously. The benefit of multithreading is that it utilizes the same memory and other resources to execute threads at the same time, like while typing, grammatical errors are checked along.

JVM: stands for Java Virtual Machine that provides a runtime environment to execute Java bytecode. JVMs are most often implemented to run on existing operating systems. JVM controls the execution of every Java program. It enables features such as automated exception handling, garbage-collected heap.

JAVA SWING

Swing is a GUI widget toolkit for Java. It is part of Oracle's Java Foundation Classes (JFC) - API for providing a graphical user interface (GUI) for Java programs. Swing was developed to provide a more sophisticated set of GUI components than the earlier Abstract Window Toolkit (AWT). Swing provides a native look and feel that emulates the look and feel of several platforms, and also supports a pluggable look and feel that allows applications to have a look and feel unrelated to the underlying platform. It has more powerful and flexible components and AWT. In addition to familiar components such as buttons, checkboxes and labels, Swing provides several advanced components such as tabbed panels, scroll panes, trees, tables, and lists. Unlike AWT components, Swing components are not implemented by platform-specific code. Instead, they are written entirely in Java and therefore are platform-independent. The term "lightweight" is used to describe such an element. Though swing is intended to be replaced by Java FX, it will remain part of the Java SE specifications for the foreseeable future. Swing is a platform-independent, "model-view-controller" GUI framework for Java which allows a single-threaded programming model.

Additionally, this framework provides a layer of attraction between the code structure and graphic presentation of Swing-based GUI.

Foundations

Swing is platform-independent because it is completely written in Java. Complete documentation for all Swing classes can be found in Java API Guide for Version 6 or the Java Platform Standard Edition 8 API specifications for Version 8.

Extensible

Swing is a highly modular-based architecture, which allows for the "plugging" of various custom implementations of specified framework interfaces. Users can provide their custom implementation(s) of these components to override the default implementation using Java 's inheritance mechanism. Singh is a component-based framework, whose components are all ultimately derived from the javax.swing.JComponent class. Swing objects asynchronously fire events, have bound properties, and respond to a documented set of methods specific to the component. Swing components are JavaBeans components, compliant with the JavaBeans component architecture specifications.

Configurable

Swing's heavy reliance on runtime mechanisms and indirect composition patterns allows it to respond at runtime to fundamental changes in its settings. For example, a Swing-based application is capable of hot-swapping its user interface during runtime. Furthermore, users can provide their look and feel implementation, which allows for uniform changes in the look and feel of existing Swing applications without any programmatic change to the application code.

Lightweight UI

Swing's high level of flexibility is reflected in its inherent ability to override the native host property system (OS)'s GUI controls for displaying itself.

About Database – DB2: A relational database allows for a declarative model of the data and access to it via queries. For that purpose, IBM invented the now de-facto standard SQL (Structured Query Language). SQL is a very simple, English-like language which facilitates table creation, accessing and manipulation of the data contained herein. Multiple entries in the tables (called "records") can be inserted, deleted and updated at the same time by concurrent users using commands specified in SQL. In the 1990s, a version of DB2 called LUV (Linux, UNIX, Windows) was introduced marking the porting of the database to smaller-type computing platforms. The range of computing platforms that DB2 runs on is wide, from mainframes and large distributed platforms to smaller-scale PCs. DB2 Express-C, a free-of-charge version similar to the open-source MySQL, albeit not open source, is offered to the developer community. DB2 can be administered either through a command-line prompt or a GUI. The highly advanced features and security of DB2 make it a widely used database in the modern software industry.
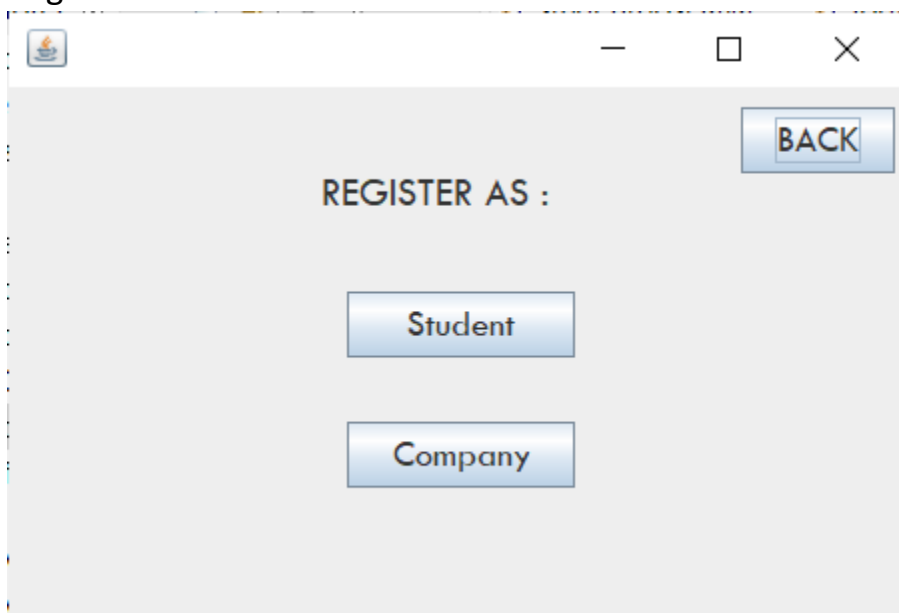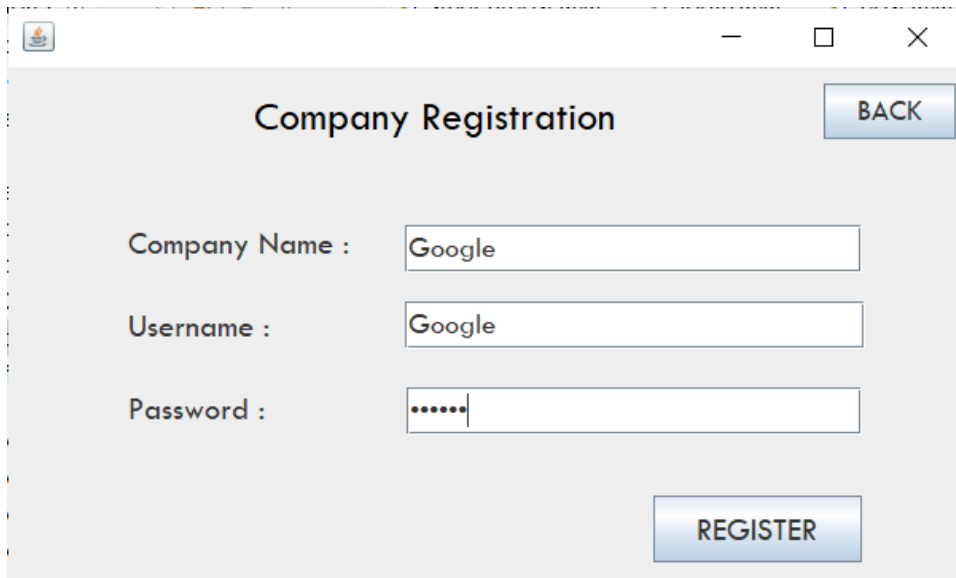
SCREENSHOTS:

Dashboard:
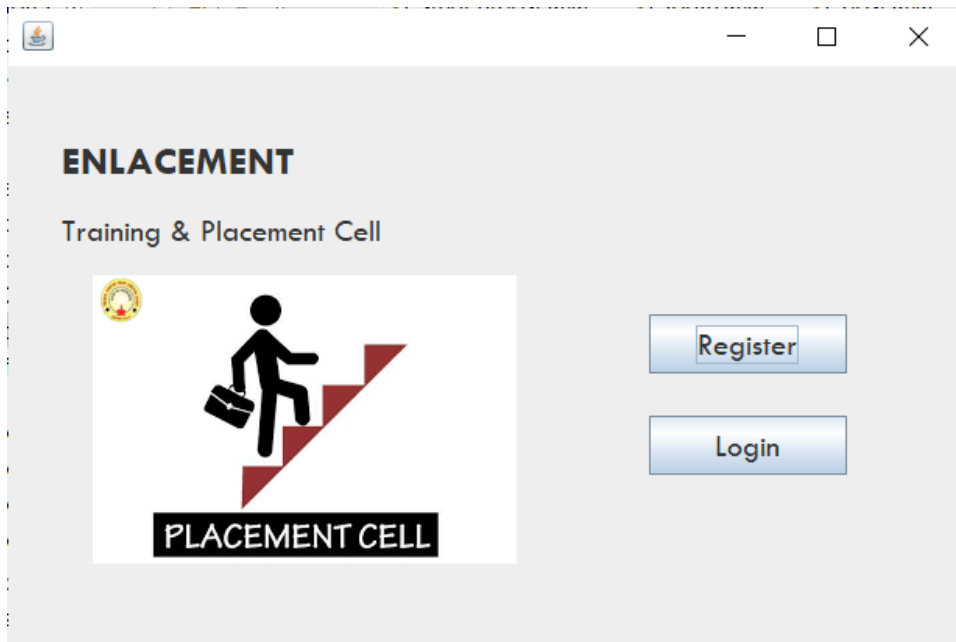
Register As:

Company Register:

Student Register:

Login:

ENLACEMENT LOGIN
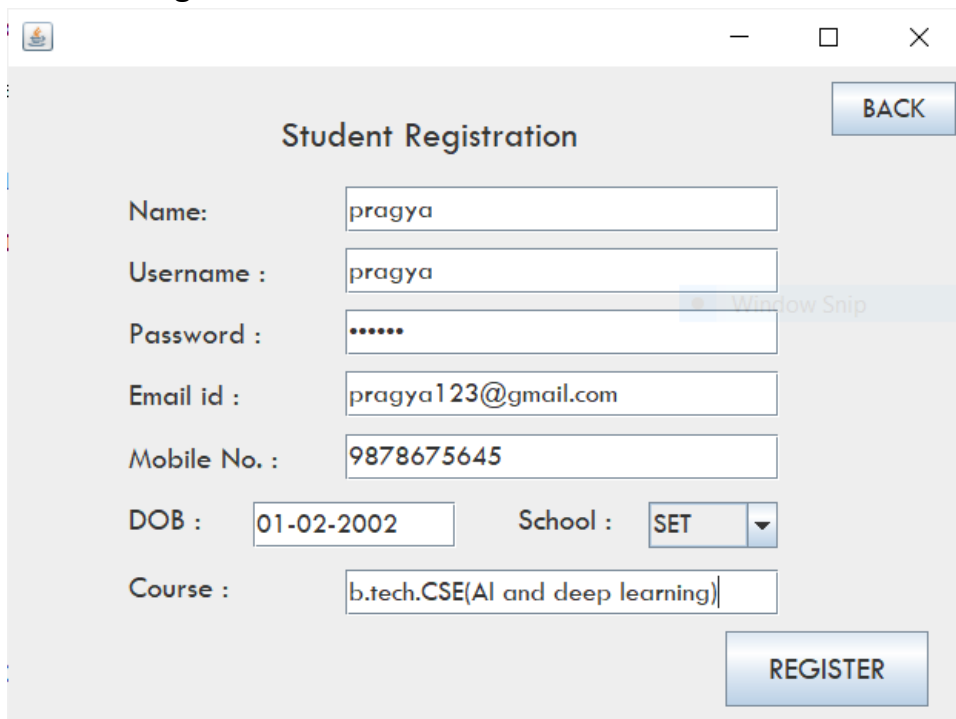
BACK

Username : Google

Password : ••••••

Select : Company

LOGIN

ENLACEMENT LOGIN

BACK

Username : pragya

Password : ••••••
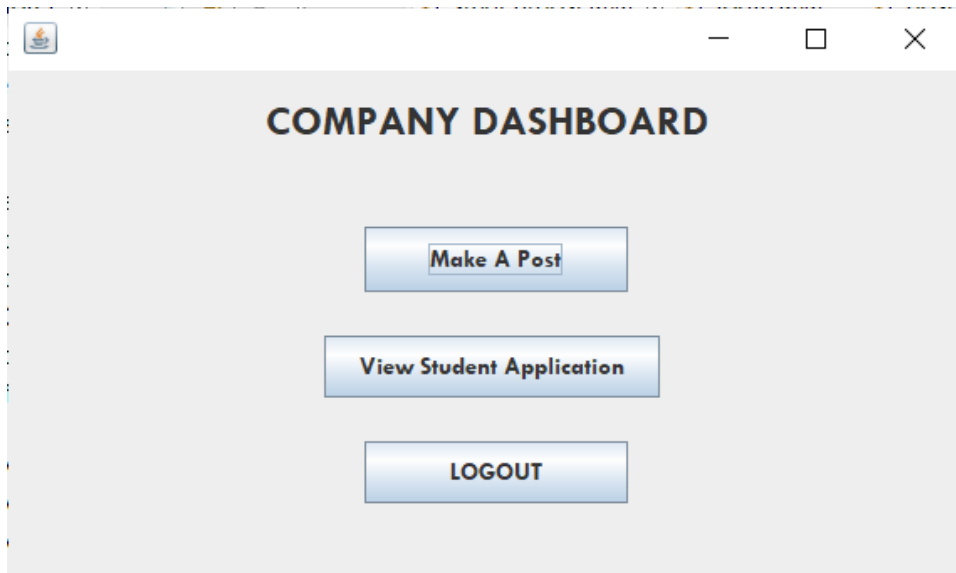
Select : Student
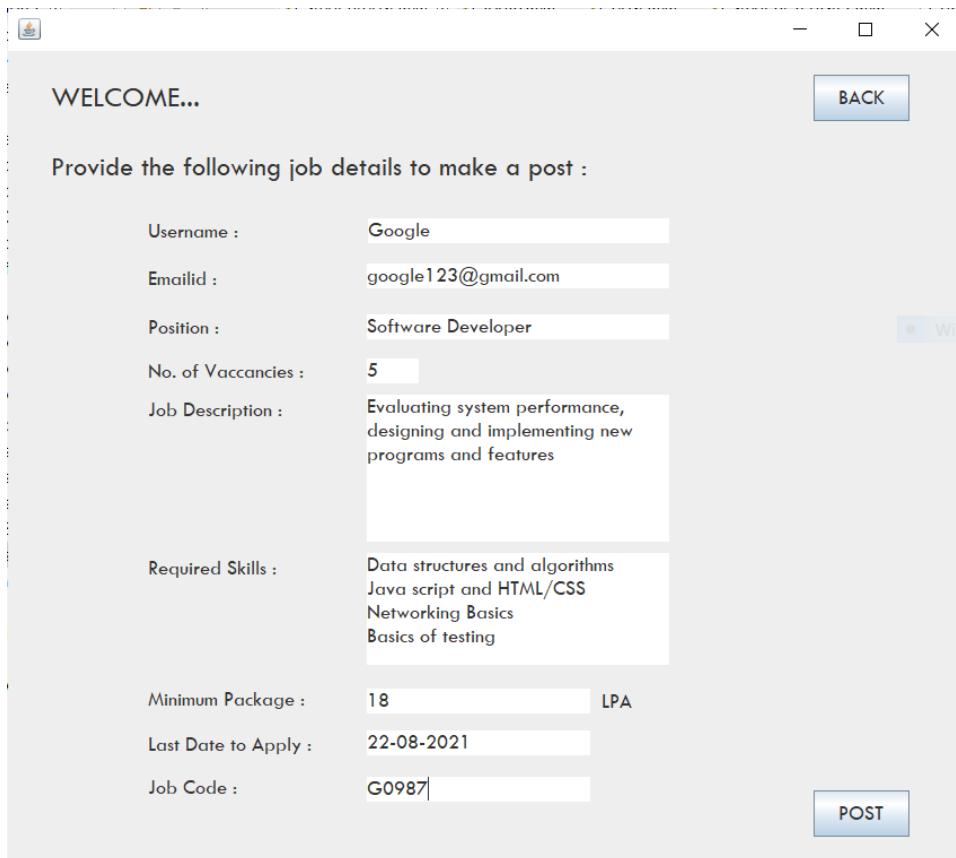
LOGIN

Company Dashboard:

COMPANY DASHBOARD

Make A Post

View Student Application

LOGOUT

Make a Post:

WELCOME...

BACK

Provide the following job details to make a post :

Username :	Google
Emailid :	google123@gmail.com
Position :	Software Developer
No. of Vaccancies :	5
Job Description :	Evaluating system performance, designing and implementing new programs and features
Required Skills :	Data structures and algorithms Java script and HTML/CSS Networking Basics Basics of testing
Minimum Package :	18 LPA
Last Date to Apply :	22-08-2021
Job Code :	G0987

POST

View Applications of Students:

Student's Applications

Show Applications

STUDENT_USE...	JOB_CODE	PERCENT_10	BOARD_10	PASSING_YEAR...	PERCENT_12	BOARD_12	PASSING_YEAR...	CGPA	YEAR_OF_PASS...	TECHNICAL_SKI...	EXTRA_CURRIC...
pragya	G0987	93	CBSE	2017	95	CBSE	2019	9.89	2024	C,C++,Java,Python DS Algorithm Networking basics	Member of Hoofers Stage dance pperformance

BACK

Student Dashboard:

STUDENT DASHBOARD

View Job Details

View Applications

LOGOUT

View Job Details:

JOB DETAILS

Show Job Details

COMPANY_USERNAME	EMAILID	JOB_POSITION	NO_OF_VACCANCIES	JOB_DESCRIPTION	REQUIRED_SKILLS	MINIMUM_PACKAGE	LAST_DATE	JOB_CODE
Google	google123@gmail.com	Software Developer	3	Evaluating system performance, designing and implementing new programs and features.	Data structures and algorithms Java Script and HTML/CSS Networking Basics Basics of testing	22	12-08-2021	G0987
Amazon	amazon123@gmail.com	Project Manager	1	Technical management cloud computing project management	8-12 years experience in software development Good knowledge in C++	24	15-08-2021	A0987

BACK   APPLY

Application Form:

Student Details

BACK

Username : pragya

Job Code : G0987   (from Job Details Table)

Educational Details :

| 10th : | Percentage : | 93 | Board : | CBSE | Year of Passing : | 2017 |
| 12th : | Percentage : | 95 | Board : | CBSE | Year of Passing : | 2019 |

CGPA of last year : 9.89   Year of Passing : 2024

Technical Skills :
C,C++,Java,Python
data structure and algorithm
networking basics

Extra Curricular :
member of hoofers
stage dance performance

APPLY

View job details in which student applied:

Your Applications

Show Applications

COMPANY_USERNAME	EMAILID	JOB_POSITION	NO_OF_VACCANCIES	JOB_DESCRIPTION	REQUIRED_SKILLS	MINIMUM_PACKAGE	LAST_DATE	JOB_CODE
Google	google123@gmail.com	Software Developer	3	Evaluating system performance, designing and implementing new programs and features.	Data structures and algorithms Java Script and HTML/CSS Networking Basics Basics of testing	22	12-08-2021	G0987

BACK

CODES:

Dashboard.java

package enlacement;

import java.awt.EventQueue;

import javax.swing.ImageIcon;
import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.Font;
import java.awt.Image;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class dashboard {

```java
JFrame frame;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
dashboard window = new dashboard();
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public dashboard() {
initialize();
}

/**
 * Initialize the contents of the frame.
 */
private void initialize() {
frame = new JFrame();
frame.setBounds(100, 100, 632, 419);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);
```

```java
JLabel lblNewLabel = new JLabel("ENLACEMENT");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 26));
lblNewLabel.setBounds(34, 31, 200, 61);
frame.getContentPane().add(lblNewLabel);

JLabel lblNewLabel_1 = new JLabel("Training & Placement Cell");
lblNewLabel_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_1.setBounds(34, 86, 236, 38);
frame.getContentPane().add(lblNewLabel_1);

JLabel lblNewLabel_2 = new JLabel("");
Image img = new
ImageIcon(this.getClass().getResource("/placement.png")).getImage();
lblNewLabel_2.setIcon(new ImageIcon(img));
lblNewLabel_2.setBounds(54, 134, 272, 185);
frame.getContentPane().add(lblNewLabel_2);

JButton btnNewButton = new JButton("Register");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

select sp=new select();
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
btnNewButton.setBounds(411, 159, 127, 38);
frame.getContentPane().add(btnNewButton);

JButton btnNewButton_1 = new JButton("Login");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {
```

```java
            login sp=new login();
            sp.frame.setVisible(true);
            frame.dispose();
            }
        });
        btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
        btnNewButton_1.setBounds(411, 224, 127, 38);
        frame.getContentPane().add(btnNewButton_1);
    }
}
```

Select.java
```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.Font;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

public class select {

    JFrame frame;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
```

```java
try {
select window = new select();
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public select() {
initialize();
}

/**
 * Initialize the contents of the frame.
 */
private void initialize() {
frame = new JFrame();
frame.setBounds(100, 100, 467, 312);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("REGISTER AS :");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel.setBounds(156, 36, 141, 33);
frame.getContentPane().add(lblNewLabel);

JButton btnNewButton = new JButton("Student");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {
student_register sp=new student_register();
```

```java
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton.setBounds(169, 102, 114, 33);
frame.getContentPane().add(btnNewButton);

JButton btnNewButton_1 = new JButton("Company");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {
company_register sp=new company_register();
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(169, 167, 114, 33);
frame.getContentPane().add(btnNewButton_1);

JButton btnNewButton_2 = new JButton("BACK");
btnNewButton_2.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

dashboard sp=new dashboard();
sp.frame.setVisible(true);
frame.dispose();

}
});
btnNewButton_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_2.setBounds(366, 10, 77, 33);
frame.getContentPane().add(btnNewButton_2);
}
```

```
        }


Student_register.java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.JTextField;


import javax.swing.JPasswordField;
import javax.swing.JComboBox;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.awt.event.ActionEvent;

public class student_register {

JFrame frame;
private JTextField textField;
private JTextField textField_1;
private JPasswordField passwordField;
private JTextField textField_2;
private JTextField textField_3;
private JTextField textField_4;
private JTextField textField_5;
```

```java
/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
student_register window = new student_register();
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public student_register() {
initialize();
}

/**
 * Initialize the contents of the frame.
 */
private void initialize() {
frame = new JFrame();
frame.setBounds(100, 100, 640, 474);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("Student Registration");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.PLAIN, 24));
```

```java
lblNewLabel.setBounds(177, 20, 236, 48);
frame.getContentPane().add(lblNewLabel);

JLabel lblNewLabel_1 = new JLabel("Name:");
lblNewLabel_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_1.setBounds(78, 78, 152, 30);
frame.getContentPane().add(lblNewLabel_1);

JLabel lblNewLabel_2 = new JLabel("Username :");
lblNewLabel_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_2.setBounds(78, 118, 152, 30);
frame.getContentPane().add(lblNewLabel_2);

JLabel lblNewLabel_3 = new JLabel("Password :");
lblNewLabel_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_3.setBounds(78, 158, 123, 30);
frame.getContentPane().add(lblNewLabel_3);

JLabel lblNewLabel_4 = new JLabel("Email id :");
lblNewLabel_4.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_4.setBounds(78, 198, 123, 30);
frame.getContentPane().add(lblNewLabel_4);

JLabel lblNewLabel_5 = new JLabel("Mobile No. :");
lblNewLabel_5.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_5.setBounds(78, 239, 123, 30);
frame.getContentPane().add(lblNewLabel_5);

JLabel lblNewLabel_6 = new JLabel("DOB :");
lblNewLabel_6.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_6.setBounds(78, 279, 71, 30);
frame.getContentPane().add(lblNewLabel_6);

JLabel lblNewLabel_7 = new JLabel("School :");
lblNewLabel_7.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
```

```java
lblNewLabel_7.setBounds(331, 279, 84, 30);
frame.getContentPane().add(lblNewLabel_7);

JLabel lblNewLabel_8 = new JLabel("Course :");
lblNewLabel_8.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_8.setBounds(78, 323, 152, 30);
frame.getContentPane().add(lblNewLabel_8);

textField = new JTextField();
textField.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField.setBounds(219, 78, 282, 30);
frame.getContentPane().add(textField);
textField.setColumns(10);

textField_1 = new JTextField();
textField_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_1.setBounds(219, 118, 282, 30);
frame.getContentPane().add(textField_1);
textField_1.setColumns(10);

passwordField = new JPasswordField();
passwordField.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
passwordField.setBounds(219, 158, 282, 30);
frame.getContentPane().add(passwordField);

textField_2 = new JTextField();
textField_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_2.setBounds(219, 198, 282, 30);
frame.getContentPane().add(textField_2);
textField_2.setColumns(10);

textField_3 = new JTextField();
textField_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_3.setBounds(219, 239, 282, 30);
frame.getContentPane().add(textField_3);
```

```java
textField_3.setColumns(10);

JComboBox comboBox = new JComboBox();
comboBox.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
comboBox.setBounds(416, 283, 84, 30);
comboBox.addItem("SET");
comboBox.addItem("SLAS");
comboBox.addItem("SOA");
comboBox.addItem("SOB");
comboBox.addItem("SOD");
comboBox.setSelectedItem(null);
frame.getContentPane().add(comboBox);


textField_4 = new JTextField();
textField_4.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_4.setBounds(219, 327, 282, 30);
frame.getContentPane().add(textField_4);
textField_4.setColumns(10);

textField_5 = new JTextField();
textField_5.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_5.setBounds(159, 283, 132, 30);
frame.getContentPane().add(textField_5);
textField_5.setColumns(10);

JButton btnNewButton = new JButton("REGISTER");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
```

```java
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("insert into student_register
values(?,?,?,?,?,?,?,?)");
ps.setString(1,textField.getText());
ps.setString(2,textField_1.getText());
ps.setString(3,passwordField.getText());
ps.setString(4,textField_2.getText());
ps.setString(5,textField_3.getText());
ps.setString(6,textField_5.getText());
ps.setString(7,(String) comboBox.getSelectedItem());
ps.setString(8,textField_4.getText());
int rowsaffected=ps.executeUpdate();
if(rowsaffected==1)
{
JOptionPane.showMessageDialog(btnNewButton, "Registration successfully
done");
}


}
catch(Exception e1)
{
JOptionPane.showMessageDialog(btnNewButton, "Registration failed.");
e1.printStackTrace();
}


dashboard sp=new dashboard();
sp.frame.setVisible(true);
frame.dispose();


}
```

```java
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
btnNewButton.setBounds(466, 367, 132, 49);
frame.getContentPane().add(btnNewButton);


JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {
select sp=new select();
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(535, 10, 81, 35);
frame.getContentPane().add(btnNewButton_1);



}
}
```

Company_register.java

```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.JTextField;
```

```java
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.awt.event.ActionEvent;
import javax.swing.JPasswordField;
import java.awt.Color;
import java.awt.SystemColor;

public class company_register {

JFrame frame;
private JTextField textField;
private JTextField textField_1;
private JPasswordField passwordField;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
company_register window = new company_register();
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
```

```java
 * Create the application.
 */
public company_register() {
initialize();
}

/**
 * Initialize the contents of the frame.
 */
private void initialize() {
frame = new JFrame();
frame.setBounds(100, 100, 619, 370);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("Company Registration");
lblNewLabel.setForeground(SystemColor.desktop);
lblNewLabel.setFont(new Font("Tw Cen MT", Font.PLAIN, 26));
lblNewLabel.setBounds(154, 10, 306, 42);
frame.getContentPane().add(lblNewLabel);

JLabel lblNewLabel_1 = new JLabel("Company Name :");
lblNewLabel_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_1.setBounds(75, 95, 164, 30);
frame.getContentPane().add(lblNewLabel_1);

JLabel lblNewLabel_2 = new JLabel("Username :");
lblNewLabel_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_2.setBounds(75, 147, 164, 30);
frame.getContentPane().add(lblNewLabel_2);

JLabel lblNewLabel_3 = new JLabel("Password :");
lblNewLabel_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_3.setBounds(75, 199, 164, 30);
frame.getContentPane().add(lblNewLabel_3);
```

```java
textField = new JTextField();
textField.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField.setBounds(249, 99, 287, 30);
frame.getContentPane().add(textField);
textField.setColumns(10);

textField_1 = new JTextField();
textField_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_1.setBounds(249, 147, 289, 30);
frame.getContentPane().add(textField_1);
textField_1.setColumns(10);

JButton btnNewButton = new JButton("REGISTER");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {

try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("insert into company_register
values(?,?,?)");
ps.setString(1,textField.getText());
ps.setString(2,textField_1.getText());
ps.setString(3,passwordField.getText());
int rowsaffected=ps.executeUpdate();
if(rowsaffected==1)
{
JOptionPane.showMessageDialog(btnNewButton, "Registration successfully
done");
}
```

```java
}
catch(Exception e)
{
JOptionPane.showMessageDialog(btnNewButton, "Registration failed.");
e.printStackTrace();
}

dashboard sp=new dashboard();
sp.frame.setVisible(true);
frame.dispose();

}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
btnNewButton.setBounds(405, 269, 131, 42);
frame.getContentPane().add(btnNewButton);

passwordField = new JPasswordField();
passwordField.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
passwordField.setBounds(250, 201, 286, 30);
frame.getContentPane().add(passwordField);

JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

select sp=new select();
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(512, 10, 83, 35);
```

```java
		frame.getContentPane().add(btnNewButton_1);
	}


}
```

Login.java
```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.JTextField;

import javax.swing.SwingConstants;

import java.awt.SystemColor;

import javax.swing.JButton;
import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;
import java.awt.Color;
import javax.swing.UIManager;


import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
```

```java
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
import java.awt.event.ActionEvent;
import javax.swing.JComboBox;
import javax.swing.JPasswordField;

public class login {

JFrame frame;
JTextField n;
private JPasswordField p;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
login window = new login();
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public login() {
initialize();
}
```

```java
/**
 * Initialize the contents of the frame.
 */
private void initialize() {
frame = new JFrame();
frame.setBounds(100, 100, 585, 398);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("ENLACEMENT LOGIN");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 22));
lblNewLabel.setBounds(154, 20, 243, 40);
frame.getContentPane().add(lblNewLabel);

JLabel lblNewLabel_1 = new JLabel("Username :");
lblNewLabel_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_1.setBounds(64, 116, 120, 33);
frame.getContentPane().add(lblNewLabel_1);

JLabel lblNewLabel_2 = new JLabel("Password :");
lblNewLabel_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_2.setBounds(64, 181, 120, 33);
frame.getContentPane().add(lblNewLabel_2);

n = new JTextField();
n.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
n.setBounds(218, 120, 243, 33);
frame.getContentPane().add(n);
n.setColumns(10);

JComboBox comboBox = new JComboBox();
comboBox.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
comboBox.addItem("Student");
comboBox.addItem("Company");
```

```java
comboBox.setSelectedItem(null);
comboBox.setBounds(218, 249, 243, 33);
frame.getContentPane().add(comboBox);

p = new JPasswordField();
p.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
p.setBounds(218, 181, 243, 33);
frame.getContentPane().add(p);

JButton btnNewButton = new JButton("LOGIN");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {

if ("Student".equals(comboBox.getSelectedItem()))
{

try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("select * from student_register
where student_username=? and student_password=?");
ps.setString(1,n.getText());
ps.setString(2,p.getText());
ResultSet rowsaffected=ps.executeQuery();
if(rowsaffected.next())
{
StudentDashboard sp=new StudentDashboard(n.getText());
sp.frame.setVisible(true);
frame.dispose();
}
```

```
}
catch(Exception e)
{
JOptionPane.showMessageDialog(btnNewButton, "Invalid Username or
Password.");
e.printStackTrace();
}


}

else
{
try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("select * from company_register
where company_username=? and company_password=?");
ps.setString(1,n.getText());
ps.setString(2,p.getText());
ResultSet rowsaffected=ps.executeQuery();
if(rowsaffected.next())
{
CompanyDashboard sp=new CompanyDashboard(n.getText());
sp.frame.setVisible(true);
frame.dispose();
}


}
```

```java
catch(Exception e)
{
JOptionPane.showMessageDialog(btnNewButton, "Invalid Username or
Password.");
e.printStackTrace();
}


}




}

});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
btnNewButton.setBounds(240, 304, 99, 33);
frame.getContentPane().add(btnNewButton);

JLabel lblNewLabel_3 = new JLabel("Select :");
lblNewLabel_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_3.setBounds(64, 252, 120, 33);
frame.getContentPane().add(lblNewLabel_3);

JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {
dashboard sp=new dashboard();
sp.frame.setVisible(true);
frame.dispose();

}
});
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
```

```java
btnNewButton_1.setBounds(465, 20, 78, 33);
frame.getContentPane().add(btnNewButton_1);




    }
}
```

CompanyDashboard.java

```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.Font;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.SwingConstants;
import java.awt.GridBagLayout;
import java.awt.GridBagConstraints;
import java.awt.Insets;

public class CompanyDashboard {

    JFrame frame;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
```

```java
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
CompanyDashboard window = new CompanyDashboard("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public CompanyDashboard(String n) {
initialize(n);
}

/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
frame = new JFrame();
frame.setBounds(100, 100, 588, 348);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("COMPANY DASHBOARD");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 25));
lblNewLabel.setBounds(153, 11, 272, 39);
frame.getContentPane().add(lblNewLabel);

JButton btnNewButton_1 = new JButton("Make A Post");
btnNewButton_1.addActionListener(new ActionListener() {
```

```java
public void actionPerformed(ActionEvent e) {

post sp=new post(n);
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.BOLD, 15));
btnNewButton_1.setBounds(212, 93, 157, 39);
frame.getContentPane().add(btnNewButton_1);

JButton btnNewButton_2 = new JButton("View Student Application");
btnNewButton_2.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

company_view_applications sp=new company_view_applications(n);
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_2.setFont(new Font("Tw Cen MT", Font.BOLD, 15));
btnNewButton_2.setBounds(188, 158, 200, 37);
frame.getContentPane().add(btnNewButton_2);

JButton btnNewButton = new JButton("LOGOUT");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

dashboard sp=new dashboard();
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.BOLD, 15));
btnNewButton.setBounds(212, 221, 157, 37);
```

```java
        frame.getContentPane().add(btnNewButton);
    }
}
```

Post.java
```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.CardLayout;
import java.awt.GridLayout;
import java.awt.FlowLayout;
import java.awt.BorderLayout;
import javax.swing.JSpinner;
import java.awt.Font;
import javax.swing.JList;
import javax.swing.JOptionPane;
import javax.swing.JPasswordField;
import javax.swing.JEditorPane;
import javax.swing.JTree;
import javax.swing.tree.DefaultTreeModel;


import javax.swing.tree.DefaultMutableTreeNode;
import javax.swing.JSlider;
import javax.swing.JSeparator;
import javax.swing.SwingConstants;
import javax.swing.JTextField;
import javax.swing.JTextArea;
import javax.swing.JScrollBar;
import javax.swing.JButton;
```

```java
import javax.swing.JScrollPane;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.awt.event.ActionEvent;
import java.awt.Color;

public class post {

JFrame frame;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
post window = new post("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public post(String n) {
initialize(n);
}
```

```java
/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
frame = new JFrame();
frame.getContentPane().setFont(new Font("Tahoma", Font.PLAIN, 10));
frame.setBounds(100, 100, 867, 766);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("WELCOME...");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.PLAIN, 26));
lblNewLabel.setBounds(38, 21, 309, 41);
frame.getContentPane().add(lblNewLabel);

JList list = new JList();
list.setBounds(167, 233, -53, -85);
frame.getContentPane().add(list);

JLabel lblNewLabel_1 = new JLabel("Provide the following job details to make a
post :");
lblNewLabel_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 24));
lblNewLabel_1.setBounds(38, 73, 575, 58);
frame.getContentPane().add(lblNewLabel_1);

JLabel lblNewLabel_2 = new JLabel("Job Description :");
lblNewLabel_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_2.setBounds(124, 306, 157, 22);
frame.getContentPane().add(lblNewLabel_2);

JLabel lblNewLabel_3 = new JLabel("Required Skills :");
lblNewLabel_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_3.setBounds(124, 446, 151, 22);
frame.getContentPane().add(lblNewLabel_3);
```

```java
JLabel lblNewLabel_4 = new JLabel("Last Date to Apply :");
lblNewLabel_4.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_4.setBounds(124, 602, 171, 22);
frame.getContentPane().add(lblNewLabel_4);

JLabel lblNewLabel_5 = new JLabel("Emailid :");
lblNewLabel_5.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_5.setBounds(124, 190, 129, 22);
frame.getContentPane().add(lblNewLabel_5);

JTextArea textArea_1 = new JTextArea();
textArea_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_1.setBounds(318, 444, 268, 99);
frame.getContentPane().add(textArea_1);

JTextArea textArea = new JTextArea();
textArea.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea.setBounds(318, 304, 268, 130);
frame.getContentPane().add(textArea);

JTextArea textArea_2 = new JTextArea();
textArea_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_2.setBounds(318, 188, 268, 22);
frame.getContentPane().add(textArea_2);

JTextArea textArea_3 = new JTextArea();
textArea_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_3.setBounds(318, 601, 198, 22);
frame.getContentPane().add(textArea_3);

JLabel lblNewLabel_6 = new JLabel("Username :");
lblNewLabel_6.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_6.setBounds(124, 148, 157, 22);
frame.getContentPane().add(lblNewLabel_6);
```

```java
JTextArea textArea_4 = new JTextArea();
textArea_4.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_4.setBounds(319, 148, 267, 22);
frame.getContentPane().add(textArea_4);

JLabel lblNewLabel_7 = new JLabel("Minimum Package :");
lblNewLabel_7.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_7.setBounds(124, 562, 171, 22);
frame.getContentPane().add(lblNewLabel_7);

JTextArea textArea_5 = new JTextArea();
textArea_5.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_5.setBounds(318, 564, 198, 22);
frame.getContentPane().add(textArea_5);

JLabel lblNewLabel_8 = new JLabel("LPA");
lblNewLabel_8.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_8.setBounds(526, 564, 46, 22);
frame.getContentPane().add(lblNewLabel_8);

JLabel lblNewLabel_9 = new JLabel("No. of Vaccancies :");
lblNewLabel_9.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_9.setBounds(124, 272, 171, 22);
frame.getContentPane().add(lblNewLabel_9);

JTextArea textArea_6 = new JTextArea();
textArea_6.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_6.setBounds(318, 272, 46, 22);
frame.getContentPane().add(textArea_6);

JLabel lblNewLabel_10 = new JLabel("Position :");
lblNewLabel_10.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_10.setBounds(124, 233, 129, 22);
frame.getContentPane().add(lblNewLabel_10);
```

```java
JTextArea textArea_7 = new JTextArea();
textArea_7.setBounds(367, 233, -44, 22);
frame.getContentPane().add(textArea_7);

JTextArea textArea_8 = new JTextArea();
textArea_8.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_8.setBounds(318, 233, 268, 22);
frame.getContentPane().add(textArea_8);

JLabel lblNewLabel_11 = new JLabel("Job Code :");
lblNewLabel_11.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_11.setBounds(124, 640, 151, 22);
frame.getContentPane().add(lblNewLabel_11);

JTextArea textArea_9 = new JTextArea();
textArea_9.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_9.setBounds(318, 642, 198, 22);
frame.getContentPane().add(textArea_9);

JButton btnNewButton = new JButton("POST");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("insert into company_post
values(?,?,?,?,?,?,?,?,?)");
ps.setString(1,textArea_4.getText());
ps.setString(2,textArea_2.getText());
ps.setString(3,textArea_8.getText());
```

```java
ps.setString(4,textArea_6.getText() );
ps.setString(5, textArea.getText());
ps.setString(6, textArea_1.getText());
ps.setString(7,textArea_5.getText() );
ps.setString(8, textArea_3.getText());
ps.setString(9,textArea_9.getText());
int rowsaffected=ps.executeUpdate();
if(rowsaffected==1)
{
JOptionPane.showMessageDialog(btnNewButton, "Post successfully made.");
CompanyDashboard sp=new CompanyDashboard(n);
sp.frame.setVisible(true);
frame.dispose();
}


}
catch(Exception e1)
{
JOptionPane.showMessageDialog(btnNewButton, "Post failed.");
e1.printStackTrace();
}


}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton.setBounds(714, 654, 85, 41);
frame.getContentPane().add(btnNewButton);

JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

CompanyDashboard sp=new CompanyDashboard(n);
```

```java
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(714, 21, 85, 41);
frame.getContentPane().add(btnNewButton_1);




}
}
```

Company_view_applications.java
```java
package enlacement;

import java.awt.EventQueue;


import javax.swing.JFrame;
import javax.swing.JComboBox;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.JSeparator;
import javax.swing.JTextPane;
import javax.swing.JTextArea;
import javax.swing.JScrollPane;
import java.awt.Color;
import java.awt.SystemColor;
```

```java
import javax.swing.SwingConstants;



import javax.swing.JButton;
import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;
import java.util.Vector;

import javax.swing.UIManager;
import javax.swing.JTextField;
import javax.swing.JTable;
import javax.swing.table.AbstractTableModel;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableCellRenderer;
import javax.swing.table.TableModel;

import net.proteanit.sql.DbUtils;



public class company_view_applications {
```

```java
JFrame frame;
private JTable table;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
company_view_applications window = new company_view_applications("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */


public company_view_applications(String n) {
initialize(n);
}



/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
frame = new JFrame();
```

```java
frame.setBounds(100, 100, 1343, 629);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("Student's Applications");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 22));
lblNewLabel.setBounds(30, 25, 262, 34);
frame.getContentPane().add(lblNewLabel);

JSeparator separator = new JSeparator();
separator.setBounds(30, 62, 262, 9);
frame.getContentPane().add(separator);
JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(572, 521, 106, 45);
frame.getContentPane().add(btnNewButton_1);

JScrollPane scrollPane = new JScrollPane();
scrollPane.setBounds(30, 153, 1266, 337);
frame.getContentPane().add(scrollPane);

table = new JTable();
scrollPane.setViewportView(table);
//          table.setModel(new DefaultTableModel(
//              new Object[][] {
//              },
//              new String[] {
//              }
//          ));

table.setModel(new MyTableModel(
new String[][] {
},
new Object[] {
}
```

```java
));

table.setDefaultRenderer(Object.class,new MultipleLine());
table.setShowVerticalLines(true);
table.setShowHorizontalLines(true);
table.setRowHeight(100);
table.setFont(new Font("Tahoma", Font.PLAIN, 15));
JButton btnNewButton = new JButton("Show Applications");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

try
{
login lg=new login();
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("select student_post.* from
company_post inner join student_post on
student_post.job_code=company_post.job_code where
company_post.company_username= ?");
ps.setString(1,n);
ResultSet rs=ps.executeQuery();
table.setModel(resultSetToTableModel(rs));


}
catch(Exception e1)
{
e1.printStackTrace();
}
```

```java
    }
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton.setBounds(528, 69, 182, 34);
frame.getContentPane().add(btnNewButton);

btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {


CompanyDashboard sp=new CompanyDashboard(n);
sp.frame.setVisible(true);
frame.dispose();


    }
});
}



TableModel resultSetToTableModel(ResultSet rs) {
try {
   ResultSetMetaData metaData = rs.getMetaData();
   int numberOfColumns = metaData.getColumnCount();
   Vector<String> columnNames = new Vector<String>();

   // Get the column names
   for (int column = 0; column < numberOfColumns; column++) {
columnNames.addElement(metaData.getColumnLabel(column + 1));
   }

   // Get all rows.
   Vector<Vector<Object>> rows = new Vector<Vector<Object>>();

   while (rs.next()) {
```

```java
        Vector<Object> newRow = new Vector<Object>();
        for (int i = 1; i <= numberOfColumns; i++) {
                newRow.addElement(rs.getObject(i));

        }

rows.addElement(newRow);
    }

    return new DefaultTableModel(rows, columnNames);
} catch (Exception e) {
    e.printStackTrace();

    return null;
}
    }
}
```

StudentDashboard.java

```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JLabel;
import java.awt.BorderLayout;
import javax.swing.SwingConstants;
import java.awt.Font;
import javax.swing.JTextField;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Color;
```

```java
import java.awt.SystemColor;
import javax.swing.UIManager;


public class StudentDashboard {

JFrame frame;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
StudentDashboard window = new StudentDashboard("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public StudentDashboard(String n) {
initialize(n);
}

/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
```

```java
frame = new JFrame();
frame.setBackground(SystemColor.controlHighlight);
frame.getContentPane().setBackground(UIManager.getColor("Button.background
"));
frame.setBounds(100, 100, 589, 348);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("STUDENT DASHBOARD");
lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 25));
lblNewLabel.setBounds(176, 11, 254, 35);
frame.getContentPane().add(lblNewLabel);

JButton btnNewButton = new JButton("View Job Details");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

studentpost sp=new studentpost(n);
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton.setBackground(UIManager.getColor("Button.background"));
btnNewButton.setFont(new Font("Tw Cen MT", Font.BOLD, 15));
btnNewButton.setBounds(210, 86, 169, 36);
frame.getContentPane().add(btnNewButton);

JButton btnNewButton_1 = new JButton("View Applications");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

student_view_application sp=new student_view_application(n);
sp.frame.setVisible(true);
frame.dispose();
```

```java
                    }
                });
                btnNewButton_1.setBackground(UIManager.getColor("Button.background"));
                btnNewButton_1.setFont(new Font("Tw Cen MT", Font.BOLD, 15));
                btnNewButton_1.setBounds(210, 132, 169, 35);
                frame.getContentPane().add(btnNewButton_1);

                JButton btnNewButton_2 = new JButton("LOGOUT\r\n");
                btnNewButton_2.setBackground(UIManager.getColor("Button.background"));
                btnNewButton_2.setFont(new Font("Tw Cen MT", Font.BOLD, 15));
                btnNewButton_2.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {

                dashboard sp=new dashboard();
                sp.frame.setVisible(true);
                frame.dispose();
                }
                });
                btnNewButton_2.setBounds(210, 178, 169, 35);
                frame.getContentPane().add(btnNewButton_2);
                }
                }
```

Studentpost.java
```java
package enlacement;

import java.awt.EventQueue;


import javax.swing.JFrame;
import javax.swing.JComboBox;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
```

```java
import java.awt.Font;
import javax.swing.JSeparator;
import javax.swing.JTextPane;
import javax.swing.JTextArea;
import javax.swing.JScrollPane;
import java.awt.Color;
import java.awt.SystemColor;

import javax.swing.SwingConstants;



import javax.swing.JButton;
import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;
import java.util.Vector;

import javax.swing.UIManager;
import javax.swing.JTextField;
import javax.swing.JTable;
import javax.swing.table.AbstractTableModel;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableCellRenderer;
import javax.swing.table.TableModel;
```

```java
import net.proteanit.sql.DbUtils;



public class studentpost {

JFrame frame;
private JTable table;

/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
studentpost window = new studentpost("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public studentpost(String n) {
initialize(n);
}
```

```java
/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
frame = new JFrame();
frame.setBounds(100, 100, 1343, 629);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("JOB DETAILS");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 22));
lblNewLabel.setBounds(30, 25, 204, 34);
frame.getContentPane().add(lblNewLabel);

JSeparator separator = new JSeparator();
separator.setBounds(30, 62, 262, 9);
frame.getContentPane().add(separator);
JButton btnNewButton_1 = new JButton("APPLY");
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(682, 519, 106, 45);
frame.getContentPane().add(btnNewButton_1);

JScrollPane scrollPane = new JScrollPane();
scrollPane.setBounds(30, 153, 1266, 337);
frame.getContentPane().add(scrollPane);

table = new JTable();
scrollPane.setViewportView(table);


table.setModel(new MyTableModel(
new String[][] {
},
new Object[] {
}
```

```java
));


table.setDefaultRenderer(Object.class,new MultipleLine());
table.setShowVerticalLines(true);
table.setShowHorizontalLines(true);
table.setRowHeight(100);
table.setFont(new Font("Tahoma", Font.PLAIN, 15));
JButton btnNewButton = new JButton("Show Job Details");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("select * from company_post");
ResultSet rs=ps.executeQuery();
table.setModel(resultSetToTableModel(rs));


}
catch(Exception e1)
{
e1.printStackTrace();
}

}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton.setBounds(528, 69, 182, 34);
frame.getContentPane().add(btnNewButton);
```

```java
JButton btnNewButton_2 = new JButton("BACK");
btnNewButton_2.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

StudentDashboard sp=new StudentDashboard(n);
sp.frame.setVisible(true);
frame.dispose();
}
});
btnNewButton_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_2.setBounds(554, 523, 106, 43);
frame.getContentPane().add(btnNewButton_2);

btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {


form sp=new form(n);
sp.frame.setVisible(true);


}
});
}



TableModel resultSetToTableModel(ResultSet rs) {
try {
    ResultSetMetaData metaData = rs.getMetaData();
    int numberOfColumns = metaData.getColumnCount();
    Vector<String> columnNames = new Vector<String>();

    // Get the column names
```

```java
        for (int column = 0; column < numberOfColumns; column++) {
columnNames.addElement(metaData.getColumnLabel(column + 1));
    }

    // Get all rows.
    Vector<Vector<Object>> rows = new Vector<Vector<Object>>();

    while (rs.next()) {
Vector<Object> newRow = new Vector<Object>();
for (int i = 1; i <= numberOfColumns; i++) {
        newRow.addElement(rs.getObject(i));

}

rows.addElement(newRow);
    }

    return new DefaultTableModel(rows, columnNames);
} catch (Exception e) {
    e.printStackTrace();

    return null;
}
    }
}
```

Form.java
```java
package enlacement;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JTextField;
```

```java
import java.awt.Font;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.JScrollBar;
import java.awt.Color;
import javax.swing.UIManager;
import javax.swing.text.JTextComponent;
import javax.swing.JButton;
import java.awt.SystemColor;
import java.awt.Choice;
import javax.swing.DropMode;
import javax.swing.JSlider;
import javax.swing.JTextArea;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.awt.event.ActionEvent;

public class form {

JFrame frame;
private JTextField textField;
private JTextField textField_2;
private JTextField textField_3;
private JTextField textField_1;
private JTextField textField_4;
private JTextField textField_6;
private JTextField textField_7;
private JTextField textField_8;
private JTextField textField_9;
private JTextField textField_10;

/**
 * Launch the application.
```

```java
    */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
form window = new form("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}

/**
 * Create the application.
 */
public form(String n) {
initialize(n);
}

/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
frame = new JFrame();
frame.getContentPane().setBackground(new Color(220, 220, 220));
frame.setBounds(100, 100, 957, 677);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("Student Details");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.PLAIN, 36));
lblNewLabel.setBounds(330, 10, 242, 83);
frame.getContentPane().add(lblNewLabel);
```

```java
JLabel lblNewLabel_1 = new JLabel("Username :");
lblNewLabel_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 22));
lblNewLabel_1.setBounds(83, 116, 117, 27);
frame.getContentPane().add(lblNewLabel_1);

textField = new JTextField();
textField.setFont(new Font("Tw Cen MT", Font.PLAIN, 22));
textField.setBounds(216, 116, 368, 27);
frame.getContentPane().add(textField);
textField.setColumns(10);

JLabel lblNewLabel_3 = new JLabel("Year of Passing :");
lblNewLabel_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_3.setBounds(421, 346, 149, 27);
frame.getContentPane().add(lblNewLabel_3);

textField_2 = new JTextField();
textField_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_2.setBounds(580, 344, 89, 27);
frame.getContentPane().add(textField_2);
textField_2.setColumns(10);

JLabel lblNewLabel_5 = new JLabel("CGPA of last year :");
lblNewLabel_5.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_5.setBounds(96, 346, 168, 27);
frame.getContentPane().add(lblNewLabel_5);

textField_3 = new JTextField();
textField_3.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_3.setBounds(274, 344, 89, 27);
frame.getContentPane().add(textField_3);
textField_3.setColumns(10);

JLabel lblNewLabel_2 = new JLabel("Job Code :");
```

```java
lblNewLabel_2.setFont(new Font("Tw Cen MT", Font.PLAIN, 22));
lblNewLabel_2.setBounds(93, 153, 122, 27);
frame.getContentPane().add(lblNewLabel_2);

textField_1 = new JTextField();
textField_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 22));
textField_1.setBounds(216, 158, 203, 27);
frame.getContentPane().add(textField_1);
textField_1.setColumns(10);

JLabel lblNewLabel_4 = new JLabel("(from Job Details Table)");
lblNewLabel_4.setFont(new Font("Tw Cen MT", Font.PLAIN, 14));
lblNewLabel_4.setBounds(429, 156, 155, 27);
frame.getContentPane().add(lblNewLabel_4);

JLabel lblNewLabel_6 = new JLabel("Educational Details :");
lblNewLabel_6.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_6.setBounds(49, 220, 189, 30);
frame.getContentPane().add(lblNewLabel_6);

JLabel lblNewLabel_8 = new JLabel("Percentage :");
lblNewLabel_8.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_8.setBounds(100, 270, 109, 27);
frame.getContentPane().add(lblNewLabel_8);

textField_4 = new JTextField();
textField_4.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_4.setBounds(216, 271, 89, 27);
frame.getContentPane().add(textField_4);
textField_4.setColumns(10);

JLabel lblNewLabel_9 = new JLabel("10th :");
lblNewLabel_9.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_9.setBounds(29, 270, 61, 27);
frame.getContentPane().add(lblNewLabel_9);
```

```java
JLabel lblNewLabel_10 = new JLabel("Board :");
lblNewLabel_10.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_10.setBounds(357, 270, 82, 27);
frame.getContentPane().add(lblNewLabel_10);

textField_6 = new JTextField();
textField_6.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_6.setBounds(429, 273, 96, 27);
frame.getContentPane().add(textField_6);
textField_6.setColumns(10);

JLabel lblNewLabel_11 = new JLabel("Year of Passing :");
lblNewLabel_11.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_11.setBounds(570, 270, 149, 27);
frame.getContentPane().add(lblNewLabel_11);

textField_7 = new JTextField();
textField_7.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_7.setBounds(713, 272, 89, 27);
frame.getContentPane().add(textField_7);
textField_7.setColumns(10);

JLabel lblNewLabel_12 = new JLabel("12th :");
lblNewLabel_12.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_12.setBounds(29, 307, 50, 27);
frame.getContentPane().add(lblNewLabel_12);

JLabel lblNewLabel_13 = new JLabel("Percentage :");
lblNewLabel_13.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_13.setBounds(99, 307, 107, 27);
frame.getContentPane().add(lblNewLabel_13);

textField_8 = new JTextField();
textField_8.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
```

```java
textField_8.setBounds(216, 309, 89, 27);
frame.getContentPane().add(textField_8);
textField_8.setColumns(10);

JLabel lblNewLabel_14 = new JLabel("Board :");
lblNewLabel_14.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_14.setBounds(357, 307, 62, 27);
frame.getContentPane().add(lblNewLabel_14);

textField_9 = new JTextField();
textField_9.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_9.setBounds(429, 309, 96, 27);
frame.getContentPane().add(textField_9);
textField_9.setColumns(10);

JLabel lblNewLabel_15 = new JLabel("Year of Passing :");
lblNewLabel_15.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
lblNewLabel_15.setBounds(570, 307, 142, 27);
frame.getContentPane().add(lblNewLabel_15);

textField_10 = new JTextField();
textField_10.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textField_10.setBounds(713, 308, 89, 27);
frame.getContentPane().add(textField_10);
textField_10.setColumns(10);

JLabel lblNewLabel_7 = new JLabel("Technical Skills :");
lblNewLabel_7.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_7.setBounds(49, 422, 189, 27);
frame.getContentPane().add(lblNewLabel_7);

JTextArea textArea = new JTextArea();
textArea.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea.setBounds(216, 422, 221, 119);
frame.getContentPane().add(textArea);
```

```java
JLabel lblNewLabel_16 = new JLabel("Extra Curricular :");
lblNewLabel_16.setFont(new Font("Tw Cen MT", Font.PLAIN, 20));
lblNewLabel_16.setBounds(483, 422, 155, 27);
frame.getContentPane().add(lblNewLabel_16);

JTextArea textArea_1 = new JTextArea();
textArea_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
textArea_1.setBounds(648, 427, 221, 119);
frame.getContentPane().add(textArea_1);

JButton btnNewButton = new JButton("APPLY");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {

try
{
Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("insert into student_post
values(?,?,?,?,?,?,?,?,?,?,?,?)");
ps.setString(1,textField.getText());
ps.setString(2,textField_1.getText());
ps.setString(3,textField_4.getText());
ps.setString(4,textField_6.getText());
ps.setString(5,textField_7.getText());
ps.setString(6,textField_8.getText());
ps.setString(7,textField_9.getText());
ps.setString(8,textField_10.getText());
ps.setString(9,textField_3.getText());
```

```java
ps.setString(10,textField_2.getText());
ps.setString(11,textArea.getText());
ps.setString(12,textArea_1.getText());
int rowsaffected=ps.executeUpdate();
if(rowsaffected==1)
{
JOptionPane.showMessageDialog(btnNewButton, "Application successfully
done");
dashboard sp=new dashboard();
sp.frame.setVisible(true);
frame.dispose();
}


}
catch(Exception e)
{
JOptionPane.showMessageDialog(btnNewButton, "Application failed.");
e.printStackTrace();

}

}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 22));
btnNewButton.setBounds(409, 590, 132, 37);
frame.getContentPane().add(btnNewButton);

JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {

studentpost sp=new studentpost(n);
sp.frame.setVisible(true);
frame.dispose();
```

```java
		}
	});
	btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
	btnNewButton_1.setBounds(806, 23, 96, 42);
	frame.getContentPane().add(btnNewButton_1);



	}
}
```

Student_view_application.java
```java
package enlacement;

import java.awt.EventQueue;


import javax.swing.JFrame;
import javax.swing.JComboBox;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.JSeparator;
import javax.swing.JTextPane;
import javax.swing.JTextArea;
import javax.swing.JScrollPane;
import java.awt.Color;
import java.awt.SystemColor;

import javax.swing.SwingConstants;
```

```java
import javax.swing.JButton;
import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;
import java.util.Vector;

import javax.swing.UIManager;
import javax.swing.JTextField;
import javax.swing.JTable;
import javax.swing.table.AbstractTableModel;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.TableCellRenderer;
import javax.swing.table.TableModel;

import net.proteanit.sql.DbUtils;




public class student_view_application {

JFrame frame;
private JTable table;
```

```java
/**
 * Launch the application.
 */
public static void main(String[] args) {
EventQueue.invokeLater(new Runnable() {
public void run() {
try {
student_view_application window = new student_view_application("null");
window.frame.setVisible(true);
} catch (Exception e) {
e.printStackTrace();
}
}
});
}


/**
 * Create the application.
 */
public student_view_application(String n) {
initialize(n);
}



/**
 * Initialize the contents of the frame.
 */
private void initialize(String n) {
frame = new JFrame();
frame.setBounds(100, 100, 1343, 629);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("Your Applications");
lblNewLabel.setFont(new Font("Tw Cen MT", Font.BOLD, 22));
```

```java
lblNewLabel.setBounds(30, 25, 204, 34);
frame.getContentPane().add(lblNewLabel);

JSeparator separator = new JSeparator();
separator.setBounds(30, 62, 262, 9);
frame.getContentPane().add(separator);
JButton btnNewButton_1 = new JButton("BACK");
btnNewButton_1.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton_1.setBounds(572, 521, 106, 45);
frame.getContentPane().add(btnNewButton_1);

JScrollPane scrollPane = new JScrollPane();
scrollPane.setBounds(30, 153, 1266, 337);
frame.getContentPane().add(scrollPane);

table = new JTable();
scrollPane.setViewportView(table);


table.setModel(new MyTableModel(
new String[][] {
},
new Object[] {
}
));

table.setDefaultRenderer(Object.class,new MultipleLine());
table.setShowVerticalLines(true);
table.setShowHorizontalLines(true);
table.setRowHeight(100);
table.setFont(new Font("Tahoma", Font.PLAIN, 15));
JButton btnNewButton = new JButton("Show Applications");
btnNewButton.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent e) {
```

```java
try
{

Class.forName("com.ibm.db2.jcc.DB2Driver");
Connection con=DriverManager.getConnection("jdbc:db2://54a2f15b-5c0f-46df-
8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:32733/bludb:s
slConnection=true;","jpj69369","tVphJ3Gbi6Fvqraj");
PreparedStatement ps=con.prepareStatement("select company_post.* from
student_post inner join company_post on
company_post.job_code=student_post.job_code where
student_post.student_username=?");
ps.setString(1,n);
ResultSet rs=ps.executeQuery();
table.setModel(resultSetToTableModel(rs));


}
catch(Exception e1)
{
e1.printStackTrace();
}

}
});
btnNewButton.setFont(new Font("Tw Cen MT", Font.PLAIN, 18));
btnNewButton.setBounds(528, 69, 182, 34);
frame.getContentPane().add(btnNewButton);

btnNewButton_1.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent arg0) {


StudentDashboard sp=new StudentDashboard(n);
sp.frame.setVisible(true);
```

```java
        frame.dispose();


    }
});
}



TableModel resultSetToTableModel(ResultSet rs) {
try {
    ResultSetMetaData metaData = rs.getMetaData();
    int numberOfColumns = metaData.getColumnCount();
    Vector<String> columnNames = new Vector<String>();

    // Get the column names
    for (int column = 0; column < numberOfColumns; column++) {
columnNames.addElement(metaData.getColumnLabel(column + 1));
    }

    // Get all rows.
    Vector<Vector<Object>> rows = new Vector<Vector<Object>>();

    while (rs.next()) {
Vector<Object> newRow = new Vector<Object>();
for (int i = 1; i <= numberOfColumns; i++) {
        newRow.addElement(rs.getObject(i));

}

rows.addElement(newRow);
    }

    return new DefaultTableModel(rows, columnNames);
} catch (Exception e) {
    e.printStackTrace();
```

```
        return null;
    }
        }
    }
```