Bangladesh University of Professionals

Faculty of Science and Technology

Dept. of Information and Communication Technology (ICT)

Lab Project

Course Title: Object Oriented Design and Programming II

No of Experiment: 06

Name of Experiment: University Admission Management System Java Project

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Section: A

Roll: 26, 14, 24, 53, 12, 23

Semester: 3rd

Group: 5

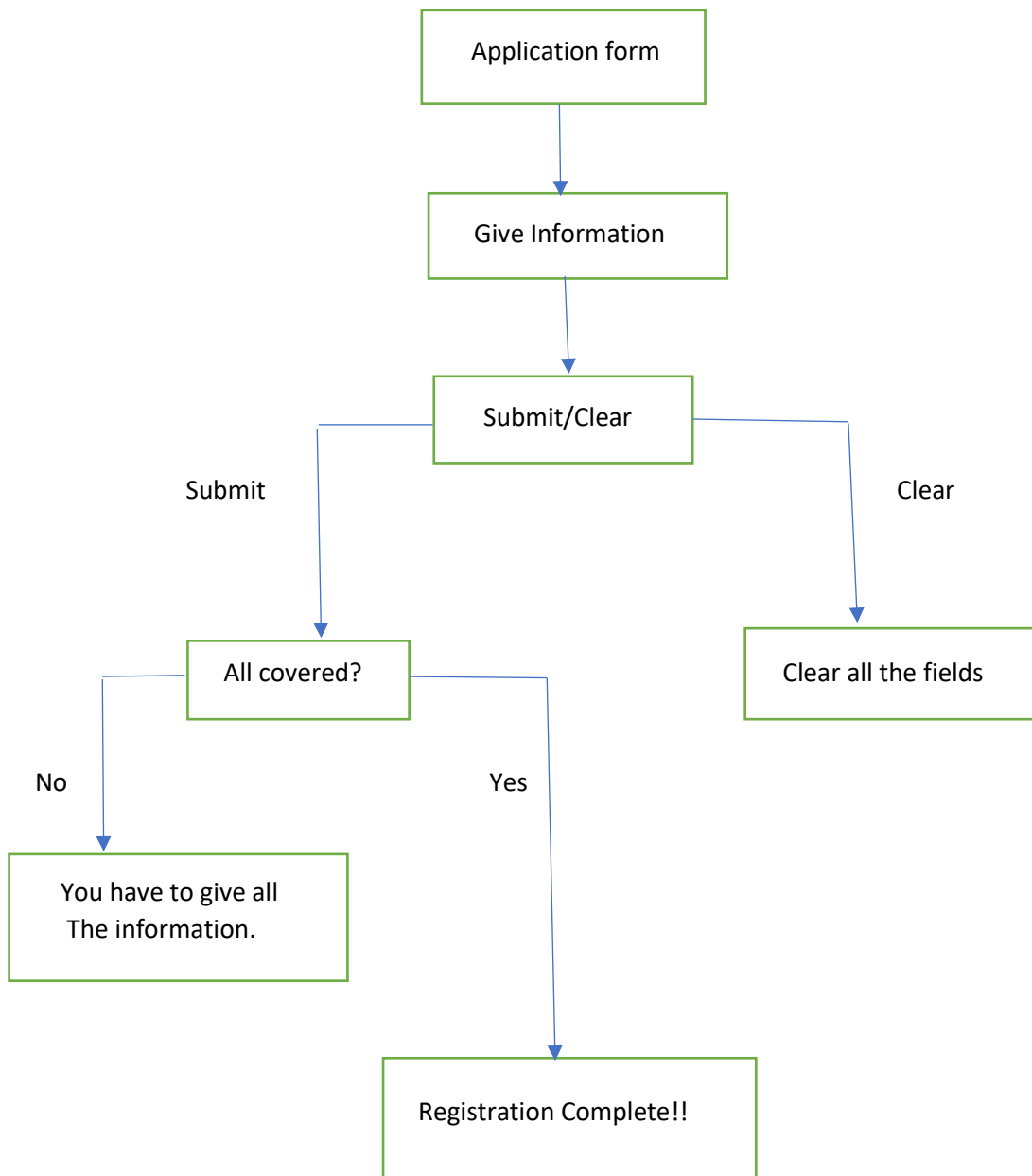**Exp. Date: __20__ /__6__ / __2021__**

Submission date: __10__ /__7__ /__2021__

Signature of Teacher

Overview:

We have created a simple application form of a university using Jframe and Mysql Database. Applicants can put information and apply for the admission, all those information will be directly go to the database. If an applicant do not fill all the sector, they can't apply.

Block Diagram:

```
                    ┌──────────────────────┐
                    │   Application form    │
                    └──────────────────────┘
                               │
                               ▼
                    ┌──────────────────────┐
                    │   Give Information     │
                    └──────────────────────┘
                               │
                               ▼
                    ┌──────────────────────┐
                    │    Submit/Clear       │
                    └──────────────────────┘
         Submit        │              │        Clear
                       ▼              ▼
          ┌──────────────────┐   ┌──────────────────────┐
          │   All covered?    │   │  Clear all the fields │
          └──────────────────┘   └──────────────────────┘
         No │            │ Yes
            ▼            │
 ┌──────────────────┐    │
 │ You have to give all│  │
 │  The information.   │  ▼
 └──────────────────┘  ┌──────────────────────┐
                        │ Registration Complete!! │
                        └──────────────────────┘
```

Source Code:

```java
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package Thread;
import java.util.regex.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import javax.swing.JOptionPane;


/**
 *
 * @author SHAMIL
 */
public class NewJFrame extends javax.swing.JFrame {
    Connection con = null;
    PreparedStatement pst = null;

    /**
     * Creates new form NewJFrame
     */
    public NewJFrame() {
        initComponents();
    }

    /**
     * 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
```

```java
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    GenderButtonGroup = new javax.swing.ButtonGroup();

    DepartmentGroup = new javax.swing.ButtonGroup();

    jPanel1 = new javax.swing.JPanel();

    jLabel1 = new javax.swing.JLabel();

    Submit = new javax.swing.JButton();

    jPanel2 = new javax.swing.JPanel();

    Name = new javax.swing.JLabel();

    Departmen = new javax.swing.JLabel();

    RegNo = new javax.swing.JLabel();

    SSCroll = new javax.swing.JLabel();

    SSCpassY = new javax.swing.JLabel();

    HSCroll = new javax.swing.JLabel();

    HSCpassY = new javax.swing.JLabel();

    Email = new javax.swing.JLabel();

    Address = new javax.swing.JLabel();

    Father = new javax.swing.JLabel();

    Mother = new javax.swing.JLabel();

    SSCgrad = new javax.swing.JLabel();

    HSCgrad = new javax.swing.JLabel();

    Namet = new java.awt.TextField();

    RegNot = new java.awt.TextField();

    SSCrollt = new java.awt.TextField();

    SSCpassYT = new java.awt.TextField();

    HSCrollt = new java.awt.TextField();

    HSCpassYT = new java.awt.TextField();
```

```java
Emailt = new java.awt.TextField();

Addresst = new java.awt.TextField();

Fathert = new java.awt.TextField();

SSCgradt = new java.awt.TextField();

HSCgradt = new java.awt.TextField();

Gende = new javax.swing.JLabel();

Male = new javax.swing.JRadioButton();

Female = new javax.swing.JRadioButton();

FBS = new javax.swing.JRadioButton();

FSSS = new javax.swing.JRadioButton();

FASS = new javax.swing.JRadioButton();

FST = new javax.swing.JRadioButton();

Mothert = new java.awt.TextField();

Clear = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

setBackground(new java.awt.Color(153, 255, 153));


jPanel1.setBackground(new java.awt.Color(51, 0, 51));


jLabel1.setFont(new java.awt.Font("Tahoma", 3, 18)); // NOI18N

jLabel1.setForeground(new java.awt.Color(255, 255, 255));

jLabel1.setText("Application Form of BUP");


javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

    .addGroup(jPanel1Layout.createSequentialGroup()

        .addGap(247, 247, 247)
```

```java
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 247,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
      jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, 49, Short.MAX_VALUE)
        .addContainerGap())
    );


    Submit.setBackground(new java.awt.Color(255, 255, 255));
    Submit.setFont(new java.awt.Font("Tahoma", 1, 13)); // NOI18N
    Submit.setForeground(new java.awt.Color(255, 51, 51));
    Submit.setText("Submit");
    Submit.addActionListener(new java.awt.event.ActionListener() {
      public void actionPerformed(java.awt.event.ActionEvent evt) {
        SubmitActionPerformed(evt);
      }
    });


    jPanel2.setBackground(new java.awt.Color(204, 204, 204));


    Name.setBackground(new java.awt.Color(255, 255, 255));
    Name.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    Name.setText("Name:");


    Departmen.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    Departmen.setText("Department:");
```

```java
RegNo.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
RegNo.setText("Registration No:");


SSCroll.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
SSCroll.setText("SSC Roll:");


SSCpassY.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
SSCpassY.setText("SSC Passing Year:");


HSCroll.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
HSCroll.setText("HSC Roll: ");


HSCpassY.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
HSCpassY.setText("HSC Passing Year:");


Email.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Email.setText("Email: ");


Address.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Address.setText("Address:");


Father.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Father.setText("Father's Name:");


Mother.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Mother.setText("Mother's Name:");


SSCgrad.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
SSCgrad.setText("SSC Grade:");


HSCgrad.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```java
HSCgrad.setText("HSC Grade:");


Namet.addKeyListener(new java.awt.event.KeyAdapter() {

    public void keyReleased(java.awt.event.KeyEvent evt) {

        NametKeyReleased(evt);

    }

});


Fathert.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        FathertActionPerformed(evt);

    }

});


SSCgradt.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        SSCgradtActionPerformed(evt);

    }

});


Gende.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

Gende.setText("Gender:");


GenderButtonGroup.add(Male);

Male.setText("Male");

Male.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        MaleActionPerformed(evt);

    }

});
```

```java
GenderButtonGroup.add(Female);

Female.setText("Female");

Female.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        FemaleActionPerformed(evt);

    }

});


DepartmentGroup.add(FBS);

FBS.setText("FBS");

FBS.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        FBSActionPerformed(evt);

    }

});


DepartmentGroup.add(FSSS);

FSSS.setText("FSSS");


DepartmentGroup.add(FASS);

FASS.setText("FASS");

FASS.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        FASSActionPerformed(evt);

    }

});


DepartmentGroup.add(FST);

FST.setText("FST");

FST.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```java
                FSTActionPerformed(evt);

            }

        });


        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(23, 23, 23)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(SSCroll, javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(HSCroll)

                    .addComponent(Name, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(SSCpassY)

                    .addComponent(HSCpassY)

                    .addComponent(Email)

                    .addComponent(Address))
                .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(HSCrollt, javax.swing.GroupLayout.PREFERRED_SIZE, 155,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(Emailt, javax.swing.GroupLayout.PREFERRED_SIZE, 171,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(Addresst, javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addGroup(jPanel2Layout.createSequentialGroup()
```

```
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(Namet, javax.swing.GroupLayout.PREFERRED_SIZE, 163,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(SSCpassYT, javax.swing.GroupLayout.PREFERRED_SIZE, 99,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(HSCpassYT, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(130, 130, 130)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel2Layout.createSequentialGroup()
                            .addComponent(Father, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(Fathert, javax.swing.GroupLayout.PREFERRED_SIZE, 171,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel2Layout.createSequentialGroup()

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(Mother, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(SSCgrad)
                            .addComponent(Gende, javax.swing.GroupLayout.PREFERRED_SIZE, 78,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(HSCgrad, javax.swing.GroupLayout.PREFERRED_SIZE, 88,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(HSCgradt, javax.swing.GroupLayout.PREFERRED_SIZE, 118,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(jPanel2Layout.createSequentialGroup()
                                .addComponent(Male, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                        .addComponent(Female, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addComponent(SSCgradt, javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(Mothert, javax.swing.GroupLayout.PREFERRED_SIZE, 171,
javax.swing.GroupLayout.PREFERRED_SIZE)))))))
            .addGroup(jPanel2Layout.createSequentialGroup()
              .addComponent(RegNo)
              .addGap(33, 33, 33)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(SSCrollt, javax.swing.GroupLayout.PREFERRED_SIZE, 152,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(RegNot, javax.swing.GroupLayout.PREFERRED_SIZE, 140,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(jPanel2Layout.createSequentialGroup()
              .addComponent(Departmen)
              .addGap(58, 58, 58)
              .addComponent(FST, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
              .addComponent(FBS, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
              .addComponent(FSSS)
              .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
              .addComponent(FASS)))
          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(
      jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel2Layout.createSequentialGroup()
```

```java
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()

                .addGap(60, 60, 60)

                .addComponent(Name, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

                .addContainerGap()

                .addComponent(Fathert, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

                .addContainerGap()

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(Namet, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 34, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(Father, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 34, javax.swing.GroupLayout.PREFERRED_SIZE))))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(Departmen, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(FSSS)

                .addComponent(FBS)

                .addComponent(FASS)

                .addComponent(FST)))
```

```java
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(17, 17, 17)
        .addComponent(RegNot, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(RegNo, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(Mother, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(Mothert, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(22, 22, 22)))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(SSCroll, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(10, 10, 10)
        .addComponent(SSCrollt, javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(16, 16, 16)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(SSCpassY, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```java
                    .addComponent(SSCpassYT, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(SSCgrad, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(SSCgradt, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(Gende, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(Male)
                    .addComponent(Female))))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(HSCgradt, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(HSCroll, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(26, 26, 26)
                        .addComponent(HSCpassY, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(31, 31, 31))
            .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```java
                .addComponent(HSCgrad, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(HSCrollt, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(26, 26, 26)
                    .addComponent(HSCpassYT, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(Email, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(Emailt, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(Address, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(Addresst, javax.swing.GroupLayout.PREFERRED_SIZE, 79,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(62, Short.MAX_VALUE))
    );

    Clear.setFont(new java.awt.Font("Tahoma", 1, 13)); // NOI18N
    Clear.setText("Clear");
    Clear.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            ClearActionPerformed(evt);
        }
    });
```

```java
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()

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

        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

          .addComponent(Clear, javax.swing.GroupLayout.PREFERRED_SIZE, 89,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

          .addComponent(Submit, javax.swing.GroupLayout.PREFERRED_SIZE, 86,
javax.swing.GroupLayout.PREFERRED_SIZE)))

      .addContainerGap())
);

layout.setVerticalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(layout.createSequentialGroup()

      .addContainerGap()

      .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

      .addGap(30, 30, 30)

      .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

      .addGap(18, 18, 18)

      .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```java
            .addComponent(Clear, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(Submit, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );


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


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


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


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


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


private void SubmitActionPerformed(java.awt.event.ActionEvent evt) {
    String Gender = "Male";
    if(Female.isSelected()){Gender="Female";}
    String Department = "FST";
    if(FBS.isSelected()){Department = "FBS";}
    else if(FSSS.isSelected()){Department = "FSSS";}
```

```java
        else if(FASS.isSelected()){Department = "FASS";}

        try{

        String query = "insert into application
(Name,Gender,FathersName,MothersName,Department,RegistrationNo,SSCRoll,SSCGrade,SSCpassi
ngyear,HSCRoll,HSCGrade,HSCpassingyear,Email,Address)\n" +

"values (?,?,?,?,?,?,?,?,?,?,?,?,?,?);";

        con = DriverManager.getConnection("jdbc:mysql://localhost/studentinformation","root",
"01789087549Sh@");

        pst = con.prepareStatement(query);

        pst.setString(1, Namet.getText());

        pst.setString(2, Gender);

        pst.setString(3, Fathert.getText());

        pst.setString(4, Mothert.getText());

        pst.setString(5, Department);

        pst.setString(6, RegNot.getText());

        pst.setString(7, SSCrollt.getText());

        pst.setString(8, SSCgradt.getText());

        pst.setString(9, SSCpassYT.getText());

        pst.setString(10, HSCrollt.getText());

        pst.setString(11, HSCgradt.getText());

        pst.setString(12, HSCpassYT.getText());

        pst.setString(13, Emailt.getText());

        pst.setString(14, Addresst.getText());

        pst.executeUpdate();

        JOptionPane.showMessageDialog(null, "Registration Complete!!");

        }

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

    }


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


    }
```

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

}

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

private void NametKeyReleased(java.awt.event.KeyEvent evt) {

}

private void ClearActionPerformed(java.awt.event.ActionEvent evt) {
    Namet.setText(" ");
    Fathert.setText(" ");
    Mothert.setText(" ");
    RegNot.setText(" ");
    SSCrollt.setText(" ");
    SSCgradt.setText(" ");
    SSCpassYT.setText(" ");
    HSCrollt.setText(" ");
    HSCgradt.setText(" ");
    HSCpassYT.setText(" ");
    Emailt.setText(" ");
    Addresst.setText(" ");
}

/**
 * @param args the command line arguments
 */
```

```java
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(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);

    }

    //</editor-fold>


    /* Create and display the form */
```

```java
    java.awt.EventQueue.invokeLater(new Runnable() {

        public void run() {

            new NewJFrame().setVisible(true);

        }

    });

}
```

```java
// Variables declaration - do not modify

private javax.swing.JLabel Address;

private java.awt.TextField Addresst;

private javax.swing.JButton Clear;

private javax.swing.JLabel Departmen;

private javax.swing.ButtonGroup DepartmentGroup;

private javax.swing.JLabel Email;

private java.awt.TextField Emailt;

private javax.swing.JRadioButton FASS;

private javax.swing.JRadioButton FBS;

private javax.swing.JRadioButton FSSS;

private javax.swing.JRadioButton FST;

private javax.swing.JLabel Father;

private java.awt.TextField Fathert;

private javax.swing.JRadioButton Female;

private javax.swing.JLabel Gende;

private javax.swing.ButtonGroup GenderButtonGroup;

private javax.swing.JLabel HSCgrad;

private java.awt.TextField HSCgradt;

private javax.swing.JLabel HSCpassY;

private java.awt.TextField HSCpassYT;

private javax.swing.JLabel HSCroll;

private java.awt.TextField HSCrollt;

private javax.swing.JRadioButton Male;
```

```java
    private javax.swing.JLabel Mother;

    private java.awt.TextField Mothert;

    private javax.swing.JLabel Name;

    private java.awt.TextField Namet;

    private javax.swing.JLabel RegNo;

    private java.awt.TextField RegNot;

    private javax.swing.JLabel SSCgrad;

    private java.awt.TextField SSCgradt;

    private javax.swing.JLabel SSCpassY;

    private java.awt.TextField SSCpassYT;

    private javax.swing.JLabel SSCroll;

    private java.awt.TextField SSCrollt;

    private javax.swing.JButton Submit;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JPanel jPanel1;

    private javax.swing.JPanel jPanel2;
    // End of variables declaration
}
```

Outputs:

Application Form of BUP

Name: _____   Father's Name: _____

Department: ○ FST   ○ FBS   ○ FSSS   ○ FASS

                                        Mother's Name: _____

Registration No: _____

SSC Roll: _____   SSC Grade: _____

SSC Passing Year: _____   Gender: ○ Male   ○ Female

HSC Roll: _____   HSC Grade: _____

HSC Passing Year: _____

Email: _____

Address: _____

Clear   Submit

Application Form of BUP

Name: `Tanvir`

Father's Name: `_____`

Department: (●) FST ( ) FBS ( ) FSSS ( ) FASS

Registration No: `_____`

Mother's Name: `_____`

SSC Roll: `201566`

SSC Grade: `_____`

SSC Passing Year: `2017`

Gender: ( ) Male ( ) Female

HSC Roll: `556462`

HSC Grade: `_____`

HSC Passing Year: `2019`

Email:

Address:

Message

(i) java.sql.SQLException: Incorrect integer value: '' for column 'RegistrationNo' at row 1

[OK]

[Clear]   [Submit]

Application Form of BUP

Field	Value	Field	Value
Name:	Shanto	Father's Name:	Abdur Rahim
Department:	⦿ FST ◯ FBS ◯ FSSS ◯ FASS		
		Mother's Name:	Amena Begum
Registration No:	10254789		
SSC Roll:	4589356	SSC Grade:	5
SSC Passing Year:	2017	Gender:	⦿ Male ◯ Female
HSC Roll:	3256478	HSC Grade:	5
HSC Passing Year:	2019		
Email:	shahinulislam@gmail.com		
Address:	Narayanganj, Dhaka		

Message ✕

ⓘ Registration Complete!!

OK

Clear   Submit

```
1 ● SELECT * FROM studentinformation.application;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Name	Gender	FathersName	MothersName	Department	RegistrationNo	SSCRoll	SSCGrade
Rezwanul Hoque	Male	Nurul Hoque	Rounok-E-Ferdoushi	FST	165131812	1568486423	5
Tasmia	Female	Kumrul	Shaheen	FST	205987133	5698466	5
Shanto	Male	Abdur Rahim	Amena Begum	FST	10254789	4589356	5