

**K L UNIVERSITY**  
**FRESHMAN ENGINEERING DEPARTMENT**  
**A Project Based Lab Report**  
**On**  
**SPORTS REGISTRRTATION SYSTEM**

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## DEPARTMENT OF BASIC ENGINEERING SCIENCES



### CERTIFICATE

This is to certify that the project based laboratory report entitled “SPORTS REGISTRATION SYSTEM” submitted by Mr./Ms. **K.Murali Krishna, K.Lohitha, K.Kamalnadh, M.Mohan Sasank** bearing Regd. No. 190030687,190030826,190030901,190031008 to the **Department of Basic Engineering Sciences, KL University** in partial fulfillment of the requirements for the completion of a project in “Object Oriented Programming” course in I B Tech II Semester, is a bonafide record of the work carried out by him/her under my supervision during the academic year 2019-20.

PROJECT SUPERVISOR

HEAD OF THE DEPARTMENT

AMARA S A L G GOPALA GUPTA

Dr. D.HARITHA

## ACKNOWLEDGEMENTS

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## **ABSTRACT**

The main idea of the project is to display the registration system of a particular sport by a college or university. Then the student can join the particular sport by filling all the details in the registration form. If the student is failed to fill all the details then the form says fill the particular task in the form. The entire project is based on GUI which means Graphical user interface in java which contains all the java swing commands in it. The project is very useful during any sports meet in a college or to form any a particular sports club.

In the project we are going to use all the java swing commands based on GUI and also all the java code like loops and conditional statements. Each gui commands has separate action to perform. and also exception handling and storing the student data in a file.

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## **INTRODUCTION**

A sports registration system is an element that focuses mainly on the physical education of a college/university. In many implementations a sports registration system is a comprehensive , integrated information system designed to manage aspects of a universities operation , such as registration of all the students issues is the administrative service provided by the university . sports registration system provides the assistance to the students by providing the information regarding the various sports offered.

The sports registration system is very useful to register in any of the sport according to the student's wish. The entire project is based on gui which contains java swing package and the JFrame ,JButton,JTextfield and also action listener interface to get an action for the JButtons.

The main reason to develop this type of program is to make the students comfortable for registering online to save time.By using this system we can complete the sports registration in a easier way.

## **AIM**

### **DESCRIPTION:**

The project is done based on java programming . This is through object oriented programming . This gives some necessary information regarding the sports registration of students in the university .

### **Advantages:-**

By developing the above project one can know about the java GUI applications . and also it is useful to save time .

### **Disadvantages:-**

There are no disadvantages.

### **Future enhancements:-**

Some more functions or modules may be added to project after studying and understanding Graphic User Interface(GUI) of java, the inputs and outputs can be improved and implemented using java GUI.

## **SYSTEM REQUIREMENTS**

### **➤ SOFTWARE REQUIREMENTS:**

The major software requirements of the project are as follows:

Language : Java

Operating system: Windows Xp or later.

### **➤ HARDWARE REQUIREMENTS:**

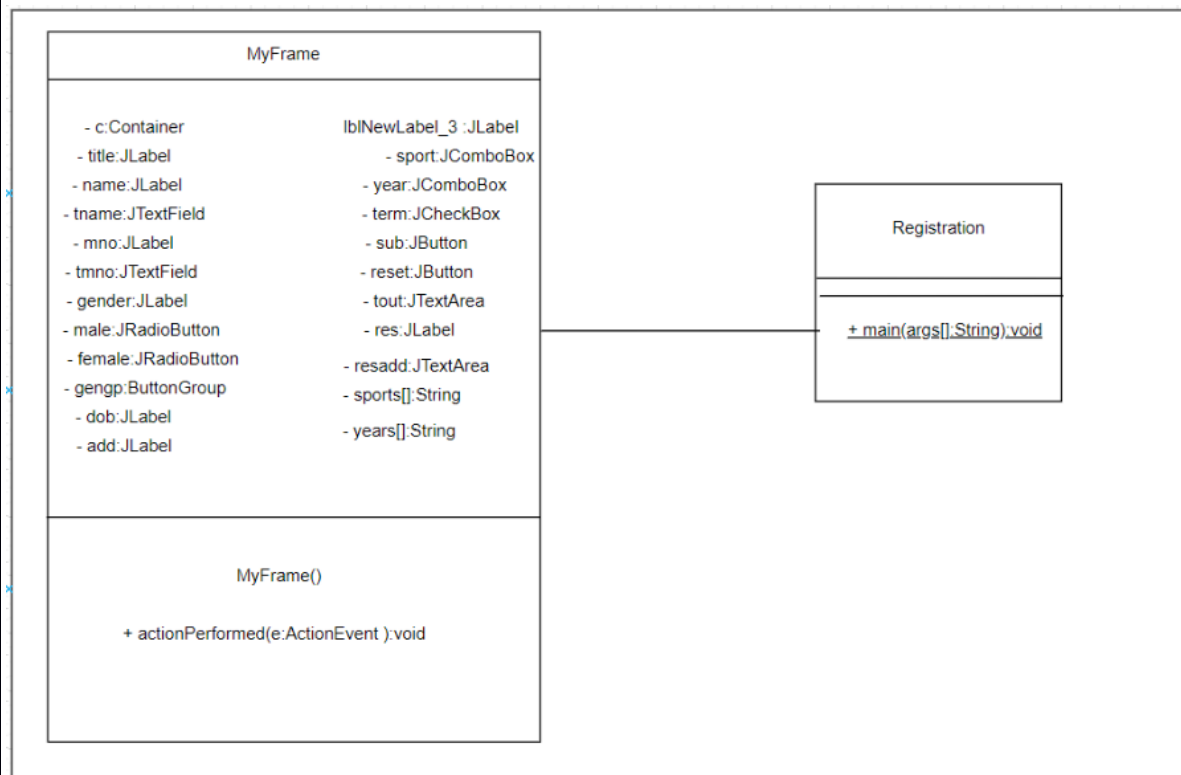
The hardware requirements that map towards the software are as follows:

RAM : 8GB

Processor : 64bit processor



# CLASS DIAGRAM



## IMPLEMENTATION

```
import javax.swing.*;
import java.io.*;
import java.awt.*;
import java.awt.event.*;
import java.io.BufferedWriter;
import java.io FileWriter;
import java.io.IOException;
public class MyFrame extends JFrame implements ActionListener
{
    private Container c;
    private JLabel title;
    private JLabel name;
    private JTextField tname;
    private JLabel mno;
    private JTextField tmno;
    private JLabel gender;
    private JRadioButton male;
    private JRadioButton female;
    private ButtonGroup gengp;
    private JLabel dob;
    private JLabel add;
    JLabel lblNewLabel_3 ;
    private JComboBox sport;
    private JComboBox year;
    private JCheckBox term;
```

```

private JButton sub;

private JButton reset;

private JTextArea tout;

private JLabel res;

private JTextArea resadd;

private String sports[] =
{"SELECT", "Basketball", "Volleyball", "Badminton", "Tennis", "Table tennis"};


private String years[]
    = {"1", "2", "3", "4"};

public MyFrame()
{
    setTitle(" s9_batch no:6_ Sports Registration Form");

    setBounds(300, 90, 900, 600);

    setDefaultCloseOperation(EXIT_ON_CLOSE);

    setResizable(false);


    c = getContentPane();

    c.setLayout(null);


    title = new JLabel(" Sports Registration Form");
    title.setFont(new Font("Arial", Font.PLAIN, 30));
    title.setSize(450, 30);
    title.setLocation(300, 30);
    c.add(title);


    name = new JLabel("Name");

```



```
gender.setLocation(100, 200);  
c.add(gender);  
  
male = new JRadioButton("Male");  
male.setFont(new Font("Arial", Font.PLAIN, 15));  
male.setSelected(true);  
male.setSize(75, 20);  
male.setLocation(231, 202);  
c.add(male);  
  
female = new JRadioButton("Female");  
female.setFont(new Font("Arial", Font.PLAIN, 15));  
female.setSelected(false);  
female.setSize(80, 20);  
female.setLocation(310, 202);  
c.add(female);  
  
gengp = new ButtonGroup();  
gengp.add(male);  
gengp.add(female);  
  
dob = new JLabel("Academic Year");  
dob.setFont(new Font("Arial", Font.PLAIN, 20));  
dob.setSize(145, 50);  
dob.setLocation(100, 250);  
c.add(dob);
```

```
year = new JComboBox(years);

year.setFont(new Font("Arial", Font.PLAIN, 15));

year.setSize(60, 20);

year.setLocation(320, 250);

c.add(year);


add = new JLabel("Spots Name");

add.setFont(new Font("Arial", Font.PLAIN, 20));

add.setSize(131, 60);

add.setLocation(100, 300);

c.add(add);


sport = new JComboBox(sports);

sport.setFont(new Font("Arial", Font.PLAIN, 15));

sport.setSize(60, 30);

sport.setLocation(320, 300);

c.add(sport);


term = new JCheckBox("Accept Terms And Conditions.");

term.setFont(new Font("Arial", Font.PLAIN, 15));

term.setSize(250, 20);

term.setLocation(150, 400);

c.add(term);


sub = new JButton("Submit");

sub.setFont(new Font("Arial", Font.PLAIN, 15));

sub.setSize(100, 20);
```

```
sub.setLocation(150, 450);

sub.addActionListener(this);

c.add(sub);


reset = new JButton("Reset");

reset.setFont(new Font("Arial", Font.PLAIN, 15));

reset.setSize(100, 20);

reset.setLocation(270, 450);

reset.addActionListener(this);

c.add(reset);


tout = new JTextArea();

tout.setFont(new Font("Arial", Font.PLAIN, 15));

tout.setSize(300, 400);

tout.setLocation(500, 100);

tout.setLineWrap(true);

tout.setEditable(false);

c.add(tout);


res = new JLabel("");

res.setFont(new Font("Arial", Font.PLAIN, 20));

res.setSize(500, 25);

res.setLocation(100, 500);

c.add(res);


resadd = new JTextArea();
```

```

resadd.setFont(new Font("Arial", Font.PLAIN, 15));

resadd.setSize(200, 75);

resadd.setLocation(580, 175);

resadd.setLineWrap(true);

c.add(resadd);


JLabel lblNewLabel = new JLabel("");

lblNewLabel.setIcon(new ImageIcon("C:\\Users\\kamal\\Downloads\\klu
icon.png"));

lblNewLabel.setBounds(150, 65, 250, 270);

getContentPane().add(lblNewLabel);


setVisible(true);
}


public void actionPerformed(ActionEvent e) {

    if (e.getSource() == sub) {

        String data2;

        if ((term.isSelected())) {

            String data

                = "Name : "

                + tname.getText() + "\n";

```



```

String data1 =
    "Registration Number : "
        + tmno.getText() + "\n";
if (male.isSelected())
    data2 = "Gender : Male"
        + "\n";
else
    data2 = "Gender : Female"
        + "\n";
String data3 = "Academic Year : "
    + (String) year.getSelectedItem()
    + "\n";
String data4=" selected sport :"+sport.getItemAt(sport.getSelectedIndex());
tout.setText(data + data1 + data2 + data3+data4);

tout.setEditable(false);
File t = new File("C:\\\\Users\\\\kamal\\\\\\\\\\\\\\\\Desktop\\\\\\\\kamal.txt");
BufferedWriter fm;
try {
    fm = new BufferedWriter(new FileWriter(t, true));
    fm.write(data + data1 + data2 + data3+data4);
    fm.close();
} catch (IOException e2) {
    e2.printStackTrace();
}

```

```

        res.setText("Registration Successfully..");

    } else {

        tout.setText("");

        resadd.setText("");

        res.setText("Please accept the"

            + " terms & conditions..");

    }

} else if (e.getSource() == reset) {

    String def = "";

    tname.setText(def);

    add.setText(def);

    tmno.setText(def);

    res.setText(def);

    tout.setText(def);

    term.setSelected(false);

    year.setSelectedIndex(0);

    resadd.setText(def);

}

}

}

class Registration{

    public static void main(String[] args) throws Exception{

        MyFrame f = new MyFrame();

    }

}

```

## OUTPUTS

Screen Shots:

The Registration form:

The screenshot displays a web browser window titled "s9\_batch no:6\_ Sports Registration Form". The main heading of the page is "Sports Registration Form". The form is set against a light gray background and includes the V L UNIVERSITY logo, which features a gear and the text "V L UNIVERSITY", "KNOWLEDGE", "LEADERSHIP", and "UNIVERSITY".

The registration fields are as follows:

- Name:** A text input field.
- ID.NO:** A text input field.
- Gender:** Radio buttons for "Male" (selected) and "Female".
- Academic:** A dropdown menu with "1" selected.
- Spots Name:** A dropdown menu with "SE..." selected.

Below the form fields, there is a checkbox labeled "Accept Terms And Conditions." and two buttons: "Submit" and "Reset". To the right of the form fields is a large, empty white rectangular box.

## Student details :

JB s9\_batch no:6\_ Sports Registration Form

— □ ×

### Sports Registration Form

Name

ID.NO

Gender ☒ Male ☐ Female

Academic Year

Spots Name

Name : kamal  
Registration Number : 190030901  
Gender : Male  
Academic Year : 1  
selected sport : Tennis

☒ Accept Terms And Conditions.

Registration Successfully..

s9\_batch no:6\_ Sports Registration Form

Sports Registration Form

Name

lohitha

ID.NO

190030826

Gender

Male

Female

Academic

1

Spots Name

Voll...

☒ Accept Terms And Conditions.

Submit

Reset

Registration Successfully..

Name : lohitha

Registration Number : 190

Gender : Female

Academic Year : 1

selected sport :Volleyball

## The file storing the details of the students:

```
File Edit Format View Help
Name : lohitha
Registration Number : 1900
Gender : Female
Academic Year : 1
selected sport :Volleyball

Name : kamal
Registration Number : 1900
Gender : Male
Academic Year : 1
selected sport :Tennis
```

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## **CONCLUSION**

The project is successfully completed to the extent possible . The results of the project are shown earlier.