ELECTION SYSTEM

A PROJECT REPORT

Submitted by

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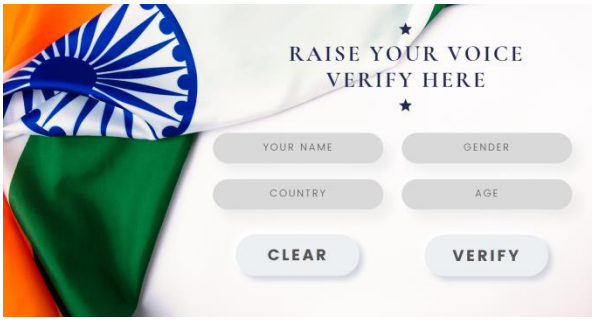
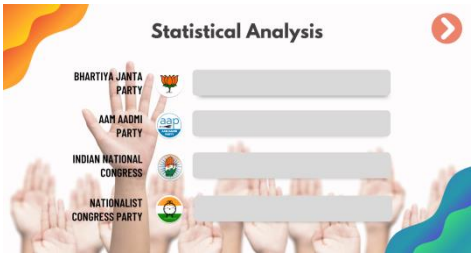
Project Definition:

As per our client requirement we have make a project for the Election System. We have to first take any 4 parties from our country. We also have to create a separate frame for the name of the leaders of the Standing parties . Then we have to create a voter list . So, when any one wants to vote , he have first enter his details if the details matches with voter list which we have created only then the voter will be allowed to vote . After the voting we have show the result.

Flowchart:


RAISE YOUR VOICE
VERIFY HERE
YOUR NAME
GENDER
COUNTRY
AGE
CLEAR
VERIFY


CAST YOUR VOTE !
BJP
CONGRESS
AAP
NCP
SUBMIT

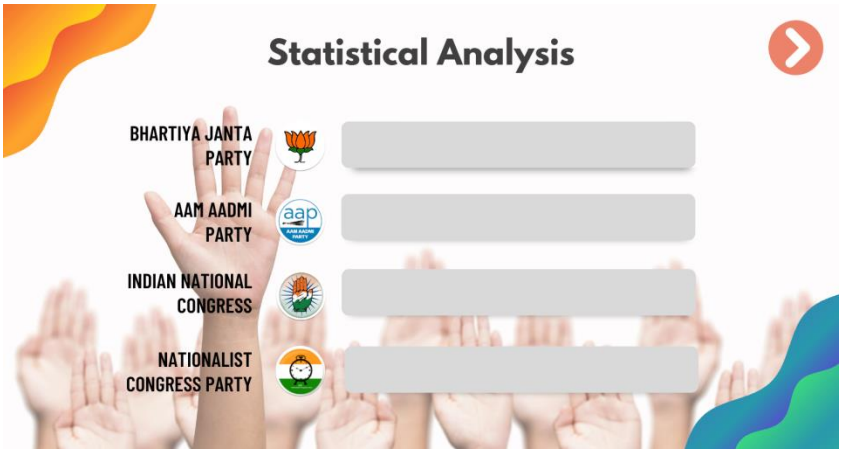

Statistical Analysis
BHARTIYA JANTA PARTY
AAM AADMI PARTY
INDIAN NATIONAL CONGRESS
NATIONALIST CONGRESS PARTY

This page is the main page of the program. It will lead you to three different pages .i.e. INFORMATION, VOTE, RESULT.

If you press the INFORMATION button it will take you to this page which gives information about the different leaders of the political parties.

If you press the VOTE button you will be taken to this page. Here you have to first verify yourself before casting the vote.

After verifying yourself, you can cast the vote here and then press the SUBMIT button and you will be taken to the main page directly.



Click the RESULT button on the main page and you will be taken to this page which shows the counting of votes and the result.

Frame1:

```
import java.awt.*;

import java.awt.event.*;

import java.io.*;

import javax.swing.*;

import java.lang.*;

import java.util.*;
```

```
import javax.swing.JFrame;


public class MyFrame1 extends Frame
{
   JButton b1,b2,b3;
   MyActionListener ml = new MyActionListener(this);
   MyFrame1()
   {
      setLayout(null);
      b1 = new JButton();
      b2 = new JButton();
      b3 = new JButton();


      JButton b1 = new JButton("Information");
      b1.setIcon(new ImageIcon(this.getClass().getResource("info.png")));
      //b1.setBackground(Color. BLACK);
      b1.setBounds(220,550,340,180);
      add(b1);
      b1.addActionListener(ml);



      JButton b2 = new JButton("Result");
      b2.setIcon(new ImageIcon(this.getClass().getResource("result.png")));
```

```
    //b2.setBackground(Color. RED);
    b2.setBounds(585,320,280,110);
    add(b2);
     b2.addActionListener(ml);

    JButton b3 = new JButton("Vote");
    b3.setIcon(new ImageIcon(this.getClass().getResource("vote.png")));
    //b3.setBackground(Color. GREEN);
    b3.setBounds(905,330,112,170);
    add(b3);

    b3.addActionListener(ml);

    addWindowListener(new WindowAdapter()
        {
            public void windowClosing(WindowEvent we)
            {
                System.exit(0);
            }
        });
}
public void paint(Graphics g)
{
```

```
        Toolkit t=Toolkit.getDefaultToolkit();
        Image i=t.getImage("1.png");
        g.drawImage(i, 0, 0,this);
    }

    public static void main(String[] args)
    {
        MyFrame1 mf1 = new MyFrame1();
        mf1.setExtendedState(mf1.getExtendedState() | JFrame.MAXIMIZED_BOTH);
        JFrame f2=new JFrame();
        f2.add(mf1);
       f2.setVisible(true);
    }
}
```

Frame 2:-

```
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import javax.swing.*;
import java.lang.*;
import java.util.*;
import javax.swing.JFrame;
public class MyFrame extends Frame
```

```
{
    JTextField t1,t2,t3,t4;
    JButton b1,b2;
    Font f1;
    MyActionListener ml = new MyActionListener(this);
    MyFrame()
    {
        setLayout(null);
       /* t1 = new JTextField();
        t2 = new JTextField();
        t3 = new JTextField();
        t4 = new JTextField();*/
        b1 = new JButton();
        b2 = new JButton();
      JButton b1 = new JButton("Clear");
        b1.setIcon(new ImageIcon(this.getClass().getResource("B1.png")));
        //b1.setBackground(Color. BLACK);
       b1.setBounds(630,590,350,130);
        add(b1);
        JButton b2 = new JButton("Verify");
        b2.setIcon(new ImageIcon(this.getClass().getResource("B2.png")));
        //b2.setBackground(Color. BLACK);
        b2.setBounds(1130,590,350,130);
```

```
add(b2);

b2.addActionListener(ml);

t1 = new JTextField();

t1.setBounds(590,326,400,70);

add(t1);


t1.addActionListener(ml);


t2 = new JTextField();

t2.setBounds(1110,326,400,70);

add(t2);

t2.addActionListener(ml);


 t3 = new JTextField();

t3.setBounds(590,453,400,70);

add(t3);

t3.addActionListener(ml);



 t4 = new JTextField();

t4.setBounds(1110,453,400,70);

add(t4);

t4.addActionListener(ml);
```

```
    Font f1 = new Font("Arial",Font.BOLD,30);
    t1.setFont(f1);
    t2.setFont(f1);
    t3.setFont(f1);
    t4.setFont(f1);

    addWindowListener(new WindowAdapter()
        {
            public void windowClosing(WindowEvent we)
            {
                dispose();
            }
        });
}
public void paint(Graphics g)
{
    Toolkit t=Toolkit.getDefaultToolkit();
    Image i=t.getImage("2.png");
    g.drawImage(i, 0, 0,this);
}

public static void main(String[] args)
```

```
    {
        MyFrame mf = new MyFrame();
        mf.setExtendedState(mf.getExtendedState() | JFrame.MAXIMIZED_BOTH);
        JFrame f=new JFrame();
        f.add(mf);
        f.setVisible(true);
    }
}
```

Frame 3:-

```
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import javax.swing.*;
import java.lang.*;
import java.util.*;
import javax.swing.JFrame;

public class MyFrame2 extends Frame
{
    JButton b1,b2,b3,b4,b5;
    MyActionListener ml = new MyActionListener(this);
    MyFrame2()
```

```
{
    setLayout(null);
    b1 = new JButton();
    b2 = new JButton();
    b3 = new JButton();
    b4 = new JButton();
    b5 = new JButton();

    JButton b1 = new JButton("BJP");
    b1.setIcon(new ImageIcon(this.getClass().getResource("Bu1.png")));
    b1.setBackground(Color. BLACK);
    b1.setBounds(19,508,378,115);
    add(b1);

    JButton b2 = new JButton("Congress");
    b2.setIcon(new ImageIcon(this.getClass().getResource("Bu2.png")));
    //b2.setBackground(Color. RED);
    b2.setBounds(415,508,380,110);
    add(b2);

    JButton b3 = new JButton("AAP");
    b3.setIcon(new ImageIcon(this.getClass().getResource("Bu3.png")));
    b3.setBackground(Color. GREEN);
```

```
b3.setBounds(790,508,380,110);
add(b3);

JButton b4 = new JButton("NCP");
b4.setIcon(new ImageIcon(this.getClass().getResource("Bu4.png")));
b4.setBackground(Color. RED);
b4.setBounds(1200,500,380,130);
add(b4);

JButton b5 = new JButton("Submit");
b5.setIcon(new ImageIcon(this.getClass().getResource("Bu5.png")));
b5.setBackground(Color. RED);
b5.setBounds(602,650,380,110);
add(b5);
b5.addActionListener(ml);

addWindowListener(new WindowAdapter()
   {
      public void windowClosing(WindowEvent we)
      {
         setVisible(false);
         //dispose();
      }
```

```
        });
    }
    public void paint(Graphics g)
    {
       Toolkit t=Toolkit.getDefaultToolkit();
       Image i=t.getImage("3.png");
       g.drawImage(i, 0, 0,this);
    }

    public static void main(String[] args)
     {
        MyFrame2 mf2= new MyFrame2();
        mf2.setExtendedState(mf2.getExtendedState() | JFrame.MAXIMIZED_BOTH);
        JFrame f=new JFrame();
        f.add(mf2);
        f.setVisible(true);
     }
}
```

Frame4:-

```
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import javax.swing.*;
```

```
import java.lang.*;
import java.util.*;
import javax.swing.JFrame;

public class MyFrame3 extends Frame
{
    Label l1,l2,l3,l4;
    Font f1;
    MyActionListener ml = new MyActionListener(this);
    MyFrame3()
    {
        setLayout(null);
        l1 = new Label();
        l2 = new Label();
        l3 = new Label();
        l4 = new Label();


        Label l1 = new Label("Narendra Modi is the Leader of BJP");
        l1.setBounds(21,490,376,295);
        add(l1);

        Label l2 = new Label("Rahul Gandhi is the Leader of Congress");
```

```
    l2.setBounds(411,490,376,295);
    add(l2);

    Label l3 = new Label("Arvind Kejriwal is the leader of AAP");
    l3.setBounds(800,490,376,295);
    add(l3);

    Label l4 = new Label("Sharad Pawar is the leader of NCP");
    l4.setBounds(1188,490,376,295);
    add(l4);



    addWindowListener(new WindowAdapter()
        {
            public void windowClosing(WindowEvent we)
            {
                setVisible(false);
            }
        });
}
public void paint(Graphics g)
{
    Toolkit t=Toolkit.getDefaultToolkit();
```

```
        Image i=t.getImage("4.png");
        g.drawImage(i, 0, 0,this);
    }

    public static void main(String[] args)
    {
        MyFrame3 mf3 = new MyFrame3();
        mf3.setExtendedState(mf3.getExtendedState() | JFrame.MAXIMIZED_BOTH);
        JFrame f3=new JFrame();
        f3.add(mf3);
       f3.setVisible(true);
    }
}
```

Frame 5:-

```
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import javax.swing.*;
import java.lang.*;
import java.util.*;

public class MyFrame4 extends Frame
```

```
{
    JTextPane l1,l2,l3,l4;
    ImageIcon p1,p2,p3,p4;
            JPanel img1,img2,img3,img4;
            JLabel imglabel;
    String path,temp;

    JButton b1;
    //Font f1;
    MyActionListener ml;
    MyFrame4()
    {
        setLayout(null);
       // ml = new MyActionListener(this);



        //b1 = new JButton("Next");
        JButton b1 = new JButton("Next");
        b1.setIcon(new ImageIcon(this.getClass().getResource("next .png")));
        //b1.setBackground(Color. BLACK);

        b1.setBounds(1400,2,140,107);//1400,2,140,107
```

```
//b1.setBounds(0,0,1500,100);
add(b1);



temp=imgpath("BJP.txt");

l1 = new JTextPane();
Icon i1= new ImageIcon(temp);
l1.insertIcon(i1);

        l1.setBounds(648,202,630,74);//img1


temp=imgpath("AAP.txt");
l2 = new JTextPane();
Icon i2= new ImageIcon(temp);
l2.insertIcon(i2);

        l2.setBounds(648,340,630,74);


temp=imgpath("CONG.txt");
```

```
l3 = new JTextPane();
Icon i3= new ImageIcon(temp);
l3.insertIcon(i3);

        l3.setBounds(648,484,630,74);

//l4 = new JLabel();
temp=imgpath("NCP.txt");
l4 = new JTextPane();
Icon i4= new ImageIcon(temp);
l4.insertIcon(i4);

        l4.setBounds(648,631,630,74);
        add(l1);
add(l2);
add(l3);
add(l4);

//l11.addActionListener(ml);
//l3 = new JLabel();
/*l1.setBounds(648,202,630,74);
```

```
    l2.setBounds(648,340,630,74);
    l3.setBounds(648,484,630,74);
    l4.setBounds(648,631,630,74);*/
    /*add(img1);
    add(img2);
    add(img3);
    add(img4);*/
    //add(background);

 //   l24.addActionListener(ml);

    addWindowListener(new WindowAdapter()
        {
            public void windowClosing(WindowEvent we)
            {
                setVisible(false);
            }
        });
}
public void paint(Graphics g)
{
    Toolkit t=Toolkit.getDefaultToolkit();
    Image i=t.getImage("graph.png");//"graph.png");
```

```
    g.drawImage(i, 0, 0,this);
}
public String imgpath(String txtname)
{
    try
    {
        char ch[] = new char[20];
        FileReader fr = new FileReader(txtname);
        fr.read(ch);
        fr.close();
        String s=String.valueOf(ch);
        int r = Integer.parseInt(s.trim());
        path= r+"vote.png";
        //System.out.println(path);
    }
    catch(Exception iv)
    {

    }
    return path;
}

public static void main(String[] args)
```

```
    {
        MyFrame4 mf4 = new MyFrame4();
        mf4.setExtendedState(mf4.getExtendedState() | JFrame.MAXIMIZED_BOTH);
        JFrame f4=new JFrame();
        f4.add(mf4);


        f4.setVisible(true);
    }
}
```

ActionListner:-

```
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import javax.swing.*;
import java.lang.*;
import java.util.*;


public class MyActionListener implements ActionListener
{
        MyFrame mf;
        MyFrame1 mf1;
        MyFrame2 mf2;
```

```
MyFrame3 mf3;

MyFrame4 mf4;


int cot;


String a1;

String a2;

String a3;

String a4;

String name,gender,country,s,s1,s2,s3,s4;

String age;

Boolean b1=false;




MyActionListener(String a,String b,String c,String d)

{

        this.name=a;

        this.gender=b;

        this.country=c;

        this.age=d;

}

MyActionListener(MyFrame m)

{
```

```
        this.mf = m;
}

MyActionListener(MyFrame1 m)
{
        this.mf1 = m;
}

MyActionListener(MyFrame2 m)
{
        this.mf2 = m;
}

MyActionListener(MyFrame3 m)
{
        this.mf3 = m;
}

MyActionListener(MyFrame4 m)
{
        this.mf4 = m;
}
```

```
public void actionPerformed(ActionEvent e)
{
        MyFrame4 mf4 = new MyFrame4();

        if(e.getActionCommand().equals("Vote"))
        {
                MyFrame mf = new MyFrame();
                mf.setVisible(true);
                mf.setExtendedState(mf.getExtendedState() |
JFrame.MAXIMIZED_BOTH);
                mf1.setVisible(false);
                //System.out.println("abc");
                System.out.println("Vote");
        }

        if(e.getActionCommand().equals("Verify"))
        {
                System.out.println("Verify");

                        a1 = ((this.mf.t1.getText()).trim()).toLowerCase();

                        a2 = ((this.mf.t2.getText()).trim()).toLowerCase();
```

```
                a3 = ((this.mf.t3.getText()).trim()).toLowerCase();


                a4 = (this.mf.t4.getText()).trim();


            try
            {
                ArrayList <String> data = new ArrayList<>();


                 BufferedReader bufReader = new BufferedReader(new
FileReader("DATA.txt"));
                String line = bufReader.readLine();
                while (line != null)
                {
                    data.add(line); line = bufReader.readLine();
                }
                bufReader.close();
                for(int loop=0;loop<data.size();loop++)
                {
                    String attr[] = data.get(loop).split("#");
                    if(attr.length>1)
                    {
```

```
                                        if(attr[0].trim().equals(a1) &&
attr[1].trim().equals(a2) && attr[2].trim().equals(a3) && attr[3].trim().equals(a4))
                                        {
                                                b1=true;
                                        }

                                        if(b1)
                                        {
                                                MyFrame2 mf2 = new MyFrame2();
                                                mf2.setVisible(true);

    mf2.setExtendedState(mf2.getExtendedState() | JFrame.MAXIMIZED_BOTH);
                                                b1=false;
                                        }
                                }
                        }

                        }
                        catch(Exception ex)
                        {
                                System.out.println(ex);

                        }
```

```
        }



        if(e.getActionCommand().equals("Information"))
        {
                MyFrame3 mf3 = new MyFrame3();
                mf3.setVisible(true);
                mf3.setExtendedState(mf3.getExtendedState() |
JFrame.MAXIMIZED_BOTH);
                System.out.println("INFO");
        }


        if(e.getActionCommand().equals("Submit"))
        {
                MyFrame1 mf1 = new MyFrame1();
                mf1.setVisible(true);
                mf1.setExtendedState(mf1.getExtendedState() |
JFrame.MAXIMIZED_BOTH);
                mf2.setVisible(false);
                System.out.println("Submit");
        }
```

```
if(e.getActionCommand().equals("Result"))
{
mf4.setExtendedState(mf4.getExtendedState() |
JFrame.MAXIMIZED_BOTH);
mf4.setVisible(true);
//mf1.setVisible(false);
System.out.println("Result");
}

if(e.getActionCommand().equals("BJP"))
{
try
{

char ch[] = new char[20];
FileReader fr = new FileReader("BJP.txt");
fr.read(ch);
fr.close();
s=String.valueOf(ch);
int i=Integer.parseInt(s.trim());
i++;

FileWriter fw=new FileWriter("BJP.txt");
```

```
                fw.write(String.valueOf(i));
                fw.close();

        fr.close();
            }
            catch(Exception e4)
            {
                System.out.println(e4);
            }
}
if(e.getActionCommand().equals("Congress"))
{
            try
            {

                char ch[] = new char[20];
                FileReader fr = new FileReader("CONG.txt");
                fr.read(ch);
                fr.close();
                s=String.valueOf(ch);
                int i=Integer.parseInt(s.trim());
                i++;
```

```
                FileWriter fw=new FileWriter("CONG.txt");
                fw.write(String.valueOf(i));
                fw.close();

        fr.close();
           }
           catch(Exception e4)
           {
                System.out.println(e4);
           }
}
if(e.getActionCommand().equals("AAP"))
{
           try
           {

                char ch[] = new char[20];
                FileReader fr = new FileReader("AAP.txt");
                fr.read(ch);
                fr.close();
                s=String.valueOf(ch);
                int i=Integer.parseInt(s.trim());
                i++;
```

```
                FileWriter fw=new FileWriter("AAP.txt");
                fw.write(String.valueOf(i));
                fw.close();

        fr.close();
            }
            catch(Exception e4)
            {
                System.out.println(e4);
            }
}
if(e.getActionCommand().equals("NCP"))
{
            try
            {

                char ch[] = new char[20];
                FileReader fr = new FileReader("NCP.txt");
                fr.read(ch);
                fr.close();
                s=String.valueOf(ch);
                int i=Integer.parseInt(s.trim());
```

```
                    i++;


                    FileWriter fw=new FileWriter("NCP.txt");
                    fw.write(String.valueOf(i));
                    fw.close();


                fr.close();
                }
                catch(Exception e4)
                {
                    System.out.println(e4);
                }
            }

        }


}
```

3 : -Meeting with client

Client Name:-

Sahil Patel (92100133009)

Shaifan Sheikh (92100133087)

First Meet :- In this meeting our client had given use the project definition and gave us briefing about what they want in this project to be included

Second Meet :- Second meet was conducted after our GUI was ready. We had showen our client Class and GUI.

Third Meet :- Third meet was done after completion of our action listener. The client have asked to do some different thing in the result page.

Conclusion :-

In this project we have learned about java language in deep. We mostly used all concept we learned in java. We got to know many new thing like how to use gui . How to verify just entering his\her details from the txt file saved.