

Electronic voting machine

Introduction

We start our project(i.e) Electronic voting machine which replicates the EVM which is used in India for years. But this can be done in online, so that in future this model of EVM can be implemented.

To start with the main class, which have created new instance of the class ElectionMC.

We have imported many classes and packages like swing, util etc.

User-defined exception "UserException" which returns an exception if voter ID is invalid. Class called demo is used to initialize treemaps and an integer variable timer. This class demo is extended by ElectionMC.

In ElectionMC class, we are constricting the GUI of the main page using swing.

Class Declare is where we display the party name and symbol for candidates to view. Class voter is having the details of the voter and class election is used by the user and it is also handling the exception.

Admin can select the desired candidates who are eligible to contest in the election from the instructions given in class adselect Class Admin is used by admin to supervise the election and count the votes.

We have used exceptional handling, collections, multi threading and swing in our project. Counting Data is fully abstracted from the user. All forms of object oriented programming is used.

Finally an replica of EVM is here.

KANNAN AR

Source code:

```
import java.util.Comparator;  
  
import java.awt.*;  
  
import java.awt.event.*;  
  
import javax.swing.*;  
  
import java.util.*;  
  
class UserException extends Exception  
  
{  
  
    String a;  
  
    UserException(String x)  
  
    {a=x;}  
  
    public String toString()  
  
    {  
  
        return "Exception! given Voter ID "+a+" is all numeric wrong\n as per voterid  
format";  
  
    }  
  
}  
  
class Demo{public static ArrayList<Integer> list=new ArrayList<Integer>();  
  
public static TreeMap<Integer,String> vt=new TreeMap<Integer,String>(new  
UserComp());public static int x1=0,x2=0,x3=0,x4=0,x5=0,x6=0,x7=0;  
  
public static TreeMap<Integer,Integer> ls1=new  
TreeMap<Integer,Integer>();public static int x=1;
```

```
public static int timer;}

class ElectionMC extends Demo

{ int x;

    ElectionMC()

{

    JFrame f=new JFrame("EVM");JLabel title = new JLabel("ELECTION
COMMISION");JLabel head=new JLabel("Electronic Voting Machine");JCheckBox
c3=new JCheckBox("DECLARE RESULT");

    title.setFont(new Font("Algerian", Font.BOLD,
30));title.setForeground(Color.WHITE);

    title.setBounds(300,20,380,35);title.setOpaque(false);

    ImageIcon imageIcon = new ImageIcon(new ImageIcon("C:\\Users\\A R
Kannan\\Desktop\\Maths\\Evm.png").getImage().getScaledInstance(80, 80,
Image.SCALE_DEFAULT));

    JLabel nearhead=new
JLabel();nearhead.setIcon(imageIcon);nearhead.setBounds(210,80,100,55);

    head.setFont(new Font("Courier
New",Font.ITALIC,30));head.setForeground(Color.BLUE);

    head.setBounds(280,80,460,55);

    //head.setIcon(new ImageIcon("C:\\Users\\A R
Kannan\\Desktop\\Maths\\Evm.png"));

    head.setOpaque(true);head.setBackground(Color.WHITE);

    f.setLayout(null);
```

```
f.setContentPane(new JLabel(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\a.jpg")));
f.setSize(1000,1000);

JRadioButton c1,c2,k3;JButton b=new JButton("Continue");ButtonGroup g=new ButtonGroup();

c1=new JRadioButton();JLabel l2=new JLabel("VOTER");
c2=new JRadioButton();JLabel l1=new JLabel("ADMIN");k3=new JRadioButton("RESULTS");g.add(c1);g.add(c2);g.add(k3);

l1.setFont(new Font("ALGERIAN",Font.BOLD,40));l1.setForeground(Color.GREEN);
l2.setFont(new Font("ALGERIAN",Font.BOLD,40));l2.setForeground(Color.yellow);
k3.setFont(new Font("ALGERIAN",Font.BOLD,40));k3.setForeground(Color.MAGENTA);

c1.setBounds(540,240,80,30);c2.setBounds(160,240,80,30);c1.setOpaque(false);c2.setOpaque(false);k3.setOpaque(false);

b.setBounds(400,500,180,60);l1.setBounds(200,240,160,40);l2.setBounds(580,240,160,40);k3.setBounds(380,320,220,30);

f.add(c1);f.add(c2);f.add(b);f.add(title);f.add(head);f.add(l1);f.add(l2);f.add(nearhead);f.add(k3);

f.setVisible(true);b.setFont(new Font("Courier New",Font.ITALIC,30));
f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
b.addActionListener(new ActionListener(){
    public void actionPerformed(ActionEvent e)
    {
        if(c1.isSelected())
        {
            if(timer>=1)
            {
                System.out.println(timer);
                new Election();
            }
            else{System.out.println(timer);new Election(timer);}
        }
        else if(c2.isSelected())
        {
            new Admin();go();
            System.out.println("int main func "+x);
        }
        else if(k3.isSelected())
        {
            go();
            if(x>=2){System.out.println(timer);new Declare();}
        }
    }
})
```

```
        else{System.out.println(timer);new Declare(timer);}

    }

});

}

void go(){ x=super.timer;

    System.out.println("here "+x);

}

class UserComp extends Demo implements Comparator<Integer>

{

    public int compare(Integer a, Integer b)

    {

        return b-a;

    }

}

class Declare extends Demo

{

    ImageIcon i1 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\1.png").getImage().getScaledInstance(75, 75, Image.SCALE_SMOOTH));

    ImageIcon i2 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\2.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
ImageIcon i3 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\3.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT);

ImageIcon i4 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\4.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT);

ImageIcon i5 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\5.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT);

ImageIcon i6= new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\6.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT);

ImageIcon i7 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\7.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT);

JFrame r= new JFrame("Results");

JLabel l=new JLabel();JLabel m=new JLabel("Won This Election!");

Declare()

{

r.setSize(600,600);r.setLayout(null);r.setVisible(true);r.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);

int x=vt.firstEntry().getKey();

String s=vt.firstEntry().getValue();
```

```
r.setContentPane(new JLabel(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\flag.png")));

switch(s)

{
    case "1":l=new JLabel("PSB-Public Soceital Broadway Party");l.setIcon(i1);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(150,50,800,80);r.add(l);break;

    case "2":l=new JLabel("CCI-Contradiction Committee of India");l.setIcon(i2);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(50,50,800,80);r.add(l);break;

    case "3":l=new JLabel("MKP-Masdoor Kisan Party");l.setIcon(i3);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(50,50,800,80);r.add(l);break;

    case "4":l=new JLabel("ATK-All India Thozhilaali Kazhagam");l.setIcon(i4);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(50,50,800,80);r.add(l);break;

    case "5":l=new JLabel("SRF-Surya Raajas Front");l.setIcon(i5);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(50,50,800,80);r.add(l);break;

    case "6":l=new JLabel("PVC-Public Voice Committee");l.setIcon(i6);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(50,50,800,80);r.add(l);break;

    case "7":l=new JLabel("KTP-Karnataka Trinamol Party");l.setIcon(i7);l.setOpaque(true);l.setFont(new Font("Courier New",Font.ITALIC,30));l.setBounds(50,50,800,80);r.add(l);break;
}
```

```
    m.setBounds(80,400,500,60);m.setFont(new Font("Algerian", Font.BOLD, 40));m.setForeground(Color.BLACK);m.setOpaque(true);

r.add(m);r.setSize(1000,1000);r.setLayout(null);r.setVisible(true);r.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);

}

Declare(int x)

{

    r.setContentPane(new JLabel(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\flag.png")));

    JLabel k=new JLabel("VOTING PROCESS HASNT ");

    JLabel k1=new JLabel("STARTED YET PLEASE WAIT!");r.add(k1);

    r.add(k);r.setSize(1000,1000);r.setLayout(null);r.setVisible(true);r.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);

    k.setBounds(80,400,600,60);k.setFont(new Font("Serif",Font.BOLD,40));k.setOpaque(true);;

    k1.setBounds(80,460,600,60);k1.setFont(new Font("Serif",Font.BOLD,40));k1.setOpaque(true);;

}

}

class Voters {
```

```
int VoterId;  
  
String VoterName;  
  
int age;  
  
public Voters() { }  
  
public Voters(int vid, int ag, String name) {  
  
    this.age = ag;  
  
    this.VoterId = vid;  
  
    this.VoterName = name;  
  
}  
}  
  
class Election extends Demo{  
  
    JButton b2, b3;  
  
    JLabel l1, l2, l3,l4;  
  
    JTextField j1, j2, j3;  
  
    JTextArea ta;Boolean y=false;  
  
    ArrayList<Voters> list2 = new ArrayList<Voters>();  
  
    public static void idchecker(String s) throws UserException  
    {  
        if(s.chars().allMatch(Character::isDigit))  
        {  
            throw new UserException(s);  
        }  
    }  
}
```

```
    }

}

Election()

{

JFrame f1 = new JFrame("Elections");

f1.setContentPane(new JLabel(new ImageIcon("C:\\Users\\A R
Kannan\\Desktop\\Maths\\3.jpg")));

b3 = new JButton(new ImageIcon("C:\\Users\\A R
Kannan\\Desktop\\Maths\\icon.png"));l1 = new JLabel("Voter-ID:");j1 = new
JTextField(8);

l2 = new JLabel("Name:");j2 = new JTextField(8);l3 = new JLabel("Age:");j3 =
new JTextField(8);l4=new JLabel("Submit!");

l1.setBounds(0,40,280,30);l1.setFont(new Font("Courier
New",Font.ITALIC,30));l1.setForeground(Color.red);

j1.setBounds(160,45,140,25);j2.setBounds(700,45,140,25);j3.setBounds(440,320,1
40,25);l4.setFont(new Font("Courier
New",Font.ITALIC,30));l4.setForeground(Color.blue);

l2.setBounds(600,40,280,30);l2.setFont(new Font("Courier
New",Font.ITALIC,30));

l3.setBounds(330,300,280,50);l3.setFont(new Font("Courier
New",Font.ITALIC,40));l3.setForeground(Color.red);

f1.setLayout(null);b3.setBounds(620,290,70,40);l4.setBounds(610,330,140,35);l4.s
etOpaque(true);

f1.add(l1);f1.add(j1);f1.add(l2);f1.add(j2);f1.add(l3);
```

```
f1.add(j3);f1.add(b3);f1.add(l4);

b3.addActionListener(new ActionListener(){

    public void actionPerformed(ActionEvent e)

    {

        try{

            String id=j1.getText();

            String name=j2.getText();

            int age = Integer.parseInt(j3.getText());

            if (age<18)

            {

                y=true;

                JOptionPane.showMessageDialog(f1,"You are not eligible to Vote\n As

you are a minor.","Minor",JOptionPane.WARNING_MESSAGE);

            }

            idchecker(id);

            if(id.length()<10)

            {

                JOptionPane.showMessageDialog(f1,"Enter Valid

Voterid","Error",JOptionPane.WARNING_MESSAGE);

            }

            f1.dispose();y=true;

        }

    }

})catch(UserException ue)
```

```
{  
    y=true;  
    String sh=ue.toString();  
  
    JOptionPane.showMessageDialog(f1,sh,"Exception",JOptionPane.WARNING_MESSAGE);  
  
    j1.setText("");j2.setText("");j3.setText("");  
}  
  
f1.dispose();  
  
if(!y)  
{new Castvote();}  
});  
  
f1.setVisible(true);f1.setSize(1000,1000);  
f1.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
super.timer=super.timer+1;  
}  
  
Election(int t)  
{  
    JFrame f2 = new JFrame("Elections");  
    f2.setContentPane(new JLabel(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\3.jpg")));
```

```
JLabel text=new JLabel("WAIT! ELECTION PROCESS");

JLabel t1=new JLabel(" IS YET TO BEGIN");

text.setBounds(200,300,550,60);text.setFont(new
Font("Serif",Font.BOLD,40));

t1.setBounds(250,360,380,60);t1.setFont(new
Font("Serif",Font.BOLD,40));t1.setOpaque(true);

f2.add(t1);f2.add(text);f2.setVisible(true);f2.setSize(1000,1000);text.setOpaque(tr
ue);

f2.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);

}

}

class Castvote extends Demo implements ActionListener
{

JFrame v=new JFrame("Vote");

TreeMap<Integer,String> ls=new TreeMap<Integer,String>(new UserComp());

JLabel l1,l2,l3,l4,l5,l6,l7;JRadioButton c1=new JRadioButton();JRadioButton
c2=new JRadioButton();JRadioButton c3=new JRadioButton();JRadioButton
c4=new JRadioButton();JRadioButton c5=new JRadioButton();JRadioButton
c6=new JRadioButton();JRadioButton c7=new JRadioButton();ButtonGroup bg
=new ButtonGroup();
```

```
ImageIcon i1 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\1.png").getImage()).getScaledInstance(75, 75, Image.SCALE_SMOOTH));  
  
ImageIcon i2 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\2.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT));  
  
ImageIcon i3 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\3.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT));  
  
ImageIcon i4 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\4.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT));  
  
ImageIcon i5 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\5.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT));  
  
ImageIcon i6= new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\6.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT));  
  
ImageIcon i7 = new ImageIcon(new ImageIcon("C:\\\\Users\\\\A R Kannan\\\\Desktop\\\\Maths\\\\7.png").getImage()).getScaledInstance(75, 75, Image.SCALE_DEFAULT));  
  
JButton vv=new JButton("VOTE!");  
  
Castvote()  
  
{  
  
list=Adselect.ls();
```

```
list.forEach((n)-> ch(n) );int i=1;

v.setContentPane(new JLabel(new ImageIcon("C:\\Users\\A R
Kannan\\Desktop\\Maths\\p1.png")));

for(Map.Entry<Integer,String> entry :ls.entrySet())

{



    String value = entry.getValue();

    Integer n = entry.getKey();

    if(i==1){ l1=new JLabel(value);im(l1,n);l1.setOpaque(true);l1.setFont(new
Font("Courier
New",Font.BOLD,30));l1.setBounds(40,40,750,55);v.add(l1);c1.setBounds(20,50,20
,20);c1.setOpaque(false);bg.add(c1);v.add(c1);}

    else if(i==2){ l2=new
JLabel(value);im(l2,n);l2.setOpaque(true);l2.setFont(new Font("Courier
New",Font.BOLD,30));l2.setBounds(40,100,750,55);v.add(l2);c2.setBounds(20,120,
20,20);c2.setOpaque(false);bg.add(c2);v.add(c2);}

    else if(i==3){ l3=new
JLabel(value);im(l3,n);l3.setOpaque(true);l3.setFont(new Font("Courier
New",Font.BOLD,30));l3.setBounds(40,160,750,55);v.add(l3);;c3.setBounds(20,180
,20,20);c3.setOpaque(false);bg.add(c3);v.add(c3);}

    else if(i==4){ l4=new
JLabel(value);im(l4,n);l4.setOpaque(true);l4.setFont(new Font("Courier
New",Font.BOLD,30));l4.setBounds(40,220,750,55);v.add(l4);c4.setBounds(20,240,
20,20);c4.setOpaque(false);bg.add(c4);v.add(c4);}

    else if(i==5){ l5=new
JLabel(value);im(l5,n);l5.setOpaque(true);l5.setFont(new Font("Courier
```

```
New",Font.BOLD,30));l5.setBounds(40,280,750,55);v.add(l5);c5.setOpaque(false);bg.add(c5);v.add(c5);}

    else if(i==6){ l6=new
JLabel(value);im(l6,n);l6.setOpaque(true);l6.setFont(new Font("Courier
New",Font.BOLD,30));l6.setBounds(40,340,750,55);v.add(l6);c6.setBounds(20,360,
20,20);c6.setOpaque(false);bg.add(c6);v.add(c6);}

    else if(i==7){ l7=new
JLabel(value);im(l7,n);l7.setOpaque(true);l7.setFont(new Font("Courier
New",Font.BOLD,30));l7.setBounds(40,400,750,55);v.add(l7);c7.setBounds(20,420,
20,20);c7.setOpaque(false);bg.add(c7);v.add(c7);}

    i=i+1;

    System.out.println("start "+n+"->"+value);

}

vv.setFont(new
Font("Serif",Font.ITALIC,30));vv.setBounds(50,500,140,30);vv.addActionListener(th
is);

v.setSize(1000,1000);v.add(vv);

v.setLayout(null);

v.setVisible(true);

super.timer+=1;

}

public void actionPerformed(ActionEvent e)

{

for(Map.Entry<Integer,String> entry :ls.entrySet())
```

```
{  
  
    ls1.put(super.x,entry.getKey());  
  
    super.x++;  
  
}  
  
if(c1.isSelected()){String i=(ls1.get(1)).toString();vt.put(cnt(1),i);}else  
if(c2.isSelected()){String i=(ls1.get(2)).toString();vt.put(cnt(2),i);}else  
if(c3.isSelected()){String i=(ls1.get(3)).toString();vt.put(cnt(3),i);}else  
if(c4.isSelected()){String i=(ls1.get(4)).toString();vt.put(cnt(4),i);}  
  
else if(c5.isSelected()){String i=(ls1.get(5)).toString();vt.put(cnt(5),i);}else  
if(c6.isSelected()){String i=(ls1.get(6)).toString();vt.put(cnt(6),i);}else  
if(c7.isSelected()){String i=(ls1.get(7)).toString();vt.put(cnt(7),i);}  
  
v.dispose();  
  
willdel(vt);  
  
}  
  
int cnt(int x){  
  
    switch(x)  
  
    {  
  
        case 1: super.x1+=1;return x1;case 2: super.x2+=1;return x2;case 3:  
super.x3+=1;return x3;  
  
        case 4: super.x4+=1;return x4;case 5: super.x5+=1;return x5;case 6:  
super.x6+=1;return x6;  
  
        case 7: super.x7+=1;return x7;  
  
    }  
}
```

```
    return 0 ;  
}  
  
void ch(int x)  
{  
  
    switch(x)  
{  
  
        case 1: ls.put(1,"PSB-Public Soceital Broadway Party ");break;case 2:  
ls.put(2,"CCI-Contradiction Committee of India");break;case 3: ls.put(3,"MKP-  
Masdoor Kisaan Party");break;  
  
        case 4: ls.put(4,"ATK-All India Thozhilaali Kazhagam");break;case 5:  
ls.put(5,"SRF-Surya Raajas Front");break;case 6: ls.put(6,"PVC-Public Voice  
Committee");break;  
  
        case 7: ls.put(7,"KTP-Karnataka Trinamol Party");break;  
    }  
}  
  
void im(JLabel l ,int x)  
{  
  
    switch(x)  
{  
  
        case 1: l.setIcon(i1);break;case 2: l.setIcon(i2);case 3:  
l.setIcon(i3);break;case 4: l.setIcon(i4);break;  
    }
```

```
    case 5: l.setIcon(i5);break;case 6: l.setIcon(i6);break;case 7:  
l.setIcon(i7);break;  
  
}  
  
}  
  
void willdel(TreeMap<Integer,String> ls1)  
{  
    for(Map.Entry<Integer,String> entry :ls1.entrySet())  
    {  
        System.out.println(entry.getValue());  
    }  
}  
}  
  
}  
  
class Adselect extends Demo implements ActionListener  
{  
  
    JFrame s=new JFrame("Selection");JLabel l1,l2,l3,l4,l5,l6,l7;JCheckBox  
c1,c2,c3,c4,c5,c6,c7;  
  
    Adselect()  
    {  
        System.out.println("In aAD sleect is "+super.timer);  
        JButton bt=new  
        JButton("SUBMIT");bt.setBounds(80,500,80,35);bt.addActionListener(this);
```

```
    ImageIcon i1 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\1.png").getImage().getScaledInstance(75, 75, Image.SCALE_SMOOTH));
```

```
    ImageIcon i2 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\2.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
    ImageIcon i3 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\3.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
    ImageIcon i4 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\4.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
    ImageIcon i5 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\5.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
    ImageIcon i6= new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\6.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
    ImageIcon i7 = new ImageIcon(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\7.png").getImage().getScaledInstance(75, 75, Image.SCALE_DEFAULT));
```

```
    s.setContentPane(new JLabel(new ImageIcon("C:\\Users\\A R Kannan\\Desktop\\Maths\\p1.png")));
```

```
    l1=new JLabel("PSB-Public Soceital Broadway Party ");l2=new JLabel("CCI-Contradiction Committee of India");l3=new JLabel("MKP-Masdoor Kisaan Party");l4=new JLabel("ATK-All India Thozhilaali Kazhagam");
```

```
    l5=new JLabel("SRF-Surya Raajas Front");l6=new JLabel("PVC-Public Voice Committee");l7=new JLabel("KTP-Karnataka Trinamol Party");
```

```
c1=new JCheckBox();c2=new JCheckBox();c3=new JCheckBox();c4=new  
JCheckBox();c5=new JCheckBox();c6=new JCheckBox();c7=new JCheckBox();  
  
l1.setIcon(i1);l1.setOpaque(true);l1.setFont(new Font("Courier  
New",Font.BOLD,30));l2.setIcon(i2);l2.setFont(new Font("Courier  
New",Font.BOLD,30));  
  
l3.setIcon(i3);l3.setFont(new Font("Courier  
New",Font.BOLD,30));l4.setIcon(i4);l4.setFont(new Font("Courier  
New",Font.BOLD,30));  
  
l5.setIcon(i5);l5.setFont(new Font("Courier  
New",Font.BOLD,30));l6.setIcon(i6);l6.setFont(new Font("Courier  
New",Font.BOLD,30));  
  
l7.setIcon(i7);l7.setFont(new Font("Courier  
New",Font.BOLD,30));l2.setForeground(Color.RED);l4.setForeground(Color.RED);l6  
.foreground(Color.RED);  
  
l1.setBounds(40,40,750,55);l2.setBounds(40,100,750,55);l3.setBounds(40,160,750,  
55);l4.setBounds(40,220,750,55);  
  
l5.setBounds(40,280,750,55);l6.setBounds(40,340,750,55);l7.setBounds(40,400,75  
0,55);l2.setOpaque(true);l3.setOpaque(true);l4.setOpaque(true);l5.setOpaque(tru  
e);l6.setOpaque(true);l7.setOpaque(true);  
  
c1.setBounds(20,50,20,20);c1.setOpaque(false);c2.setBounds(20,120,20,20);c2.set  
Opaque(false);c3.setBounds(20,180,20,20);c3.setOpaque(false);  
  
c4.setBounds(20,240,20,20);c4.setOpaque(false);c5.setBounds(20,300,20,20);c5.se  
tOpaque(false);c6.setBounds(20,360,20,20);c6.setOpaque(false);c7.setBounds(20,  
420,20,20);c7.setOpaque(false);
```

```
s.setSize(1000,1000);s.add(l1);s.add(l2);s.add(l3);s.add(l4);s.add(l5);s.add(l6);s.add(l7);

s.add(c1);s.add(c2);s.add(c3);s.add(c4);s.add(c5);s.add(c6);s.add(c7);s.add(bt);

s.setLayout(null);

s.setVisible(true);

super.timer+=1;

}

public void actionPerformed(ActionEvent e)

{

if(c1.isSelected()){\list.add(1);}if(c2.isSelected()){\list.add(2);}if(c3.isSelected()){\list.a
dd(3);}if(c4.isSelected()){\list.add(4);}

if(c5.isSelected()){\list.add(5);}if(c6.isSelected()){\list.add(6);}if(c7.isSelected()){\list.a
dd(7);}

s.dispose();

System.out.println(timer);

}

public static ArrayList<Integer> ls()

{

return list;

}

}
```

```
class Admin extends Demo implements ActionListener
{
    JTextField tf1;

    String pass;final JPasswordField p=new JPasswordField();JFrame j1=new
    JFrame("Login");

    Admin()
    {
        super.timer=0;

        JLabel l1,l2;JButton b=new JButton("Login");
        l1=new JLabel("User-ID: ");l2=new JLabel("Password: ");
        tf1=new JTextField();

        l1.setBounds(30,40,150,40);tf1.setBounds(100,50,100,20);b.setBounds(100,130,80
        ,20);

        l2.setBounds(30,80,120,40);p.setBounds(100,90,100,20);b.addActionListener(this);
        j1.setSize(400,200);j1.add(l1);j1.add(l2);j1.add(tf1);j1.add(p);j1.add(b);
        j1.setLayout(null);
        j1.setVisible(true);
        super.timer++;
        System.out.println(super.timer);
    }
}
```

```
}

public void actionPerformed(ActionEvent e)

{

String data=new String(p.getPassword());

String t=tf1.getText();

if((t!="") && t.length()>=9 )

{

if(data.equals("Vote4Growth"))

{



j1.dispose();

new Adselect();



}

else

{



JOptionPane.showMessageDialog(j1,"Invalid password!\n Try

Again","Error",JOptionPane.WARNING_MESSAGE);

p.setText("");

tf1.setText("");

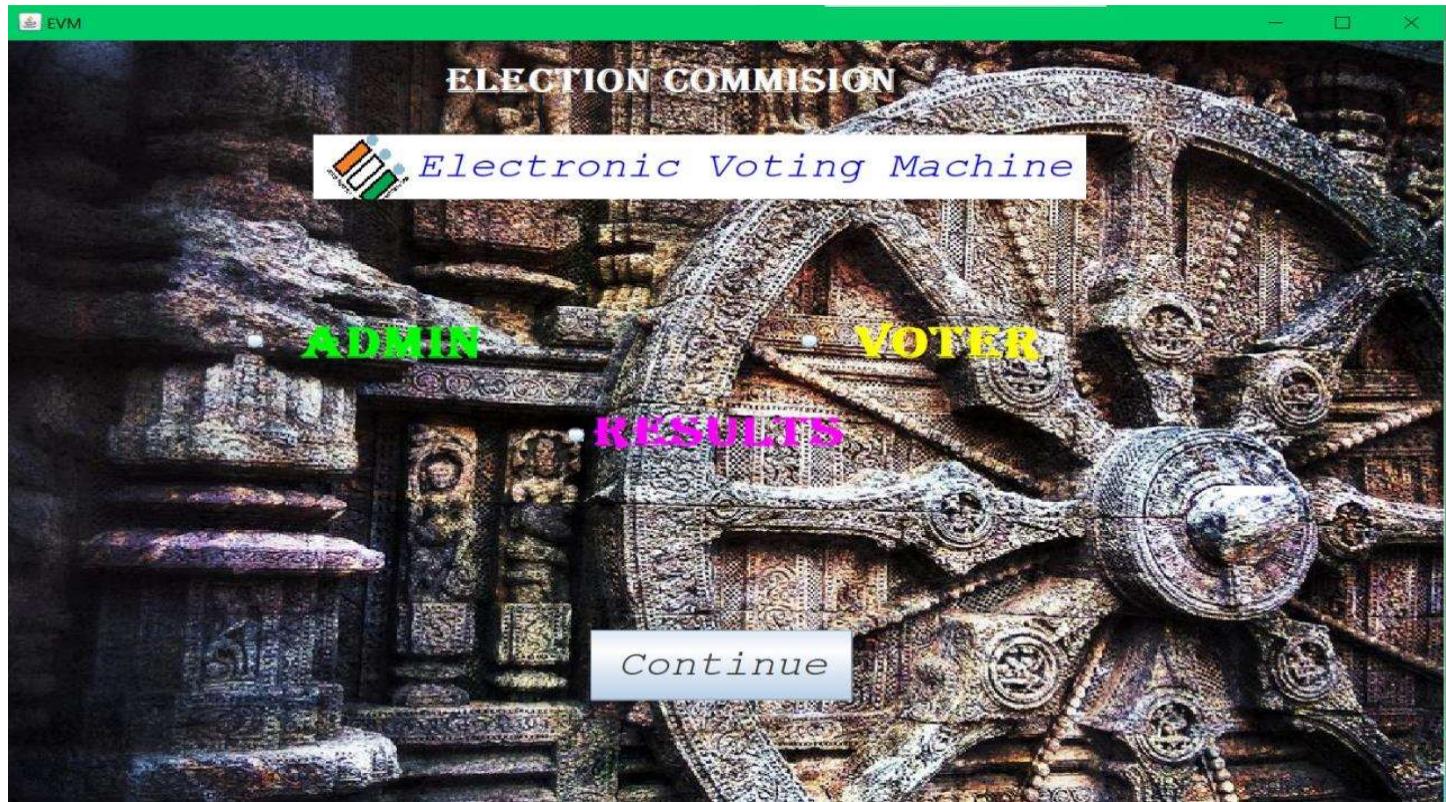
}

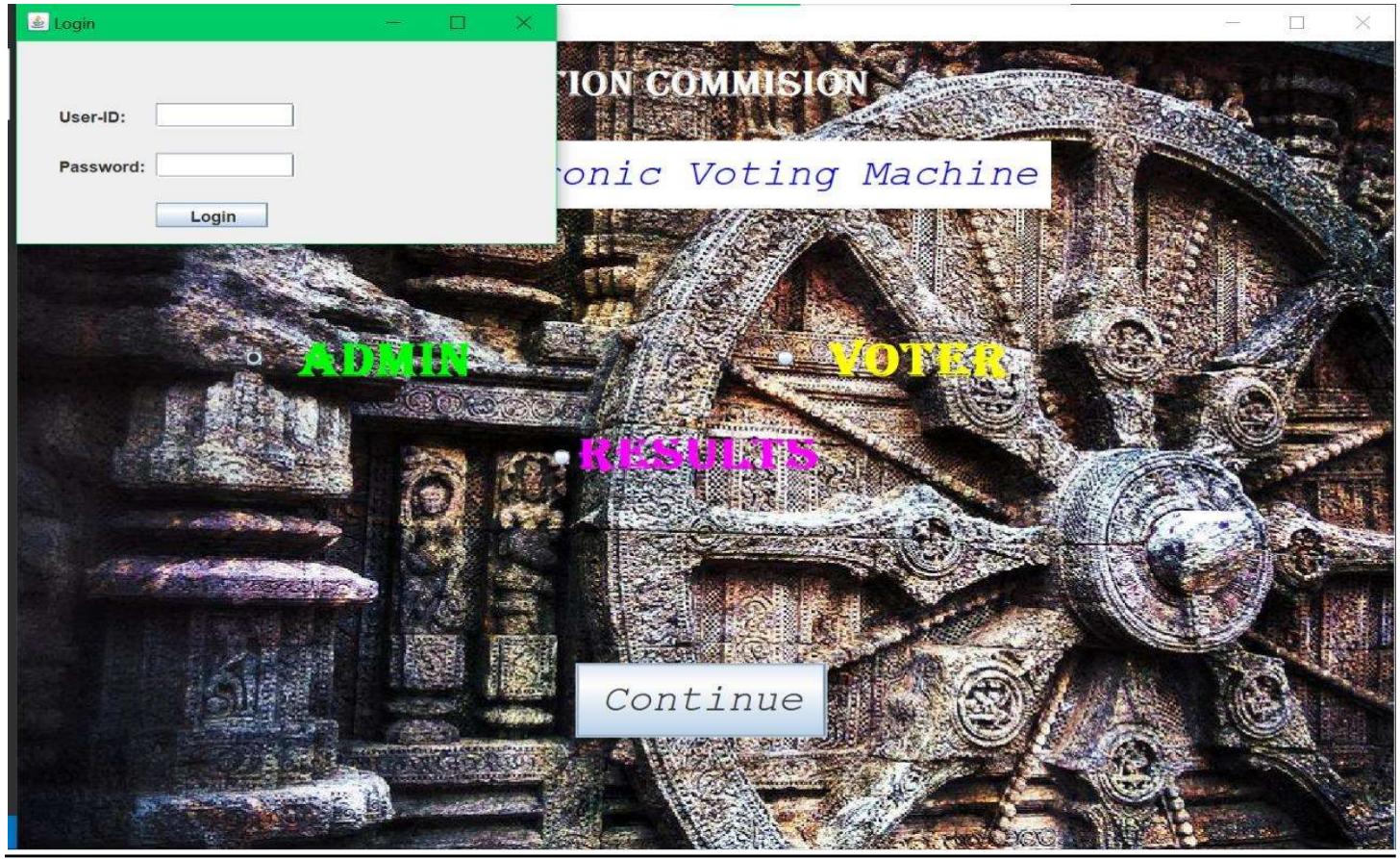
}

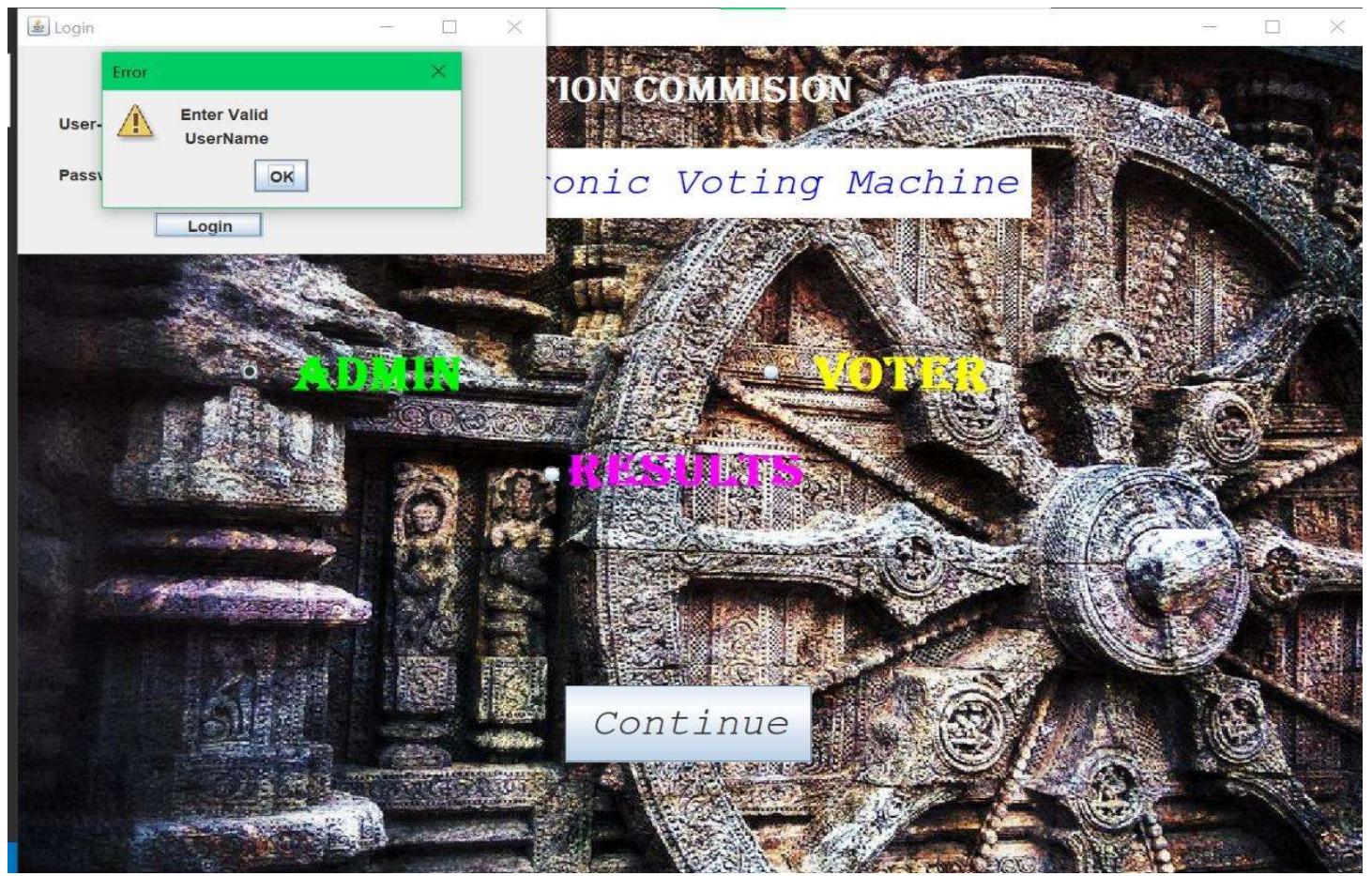
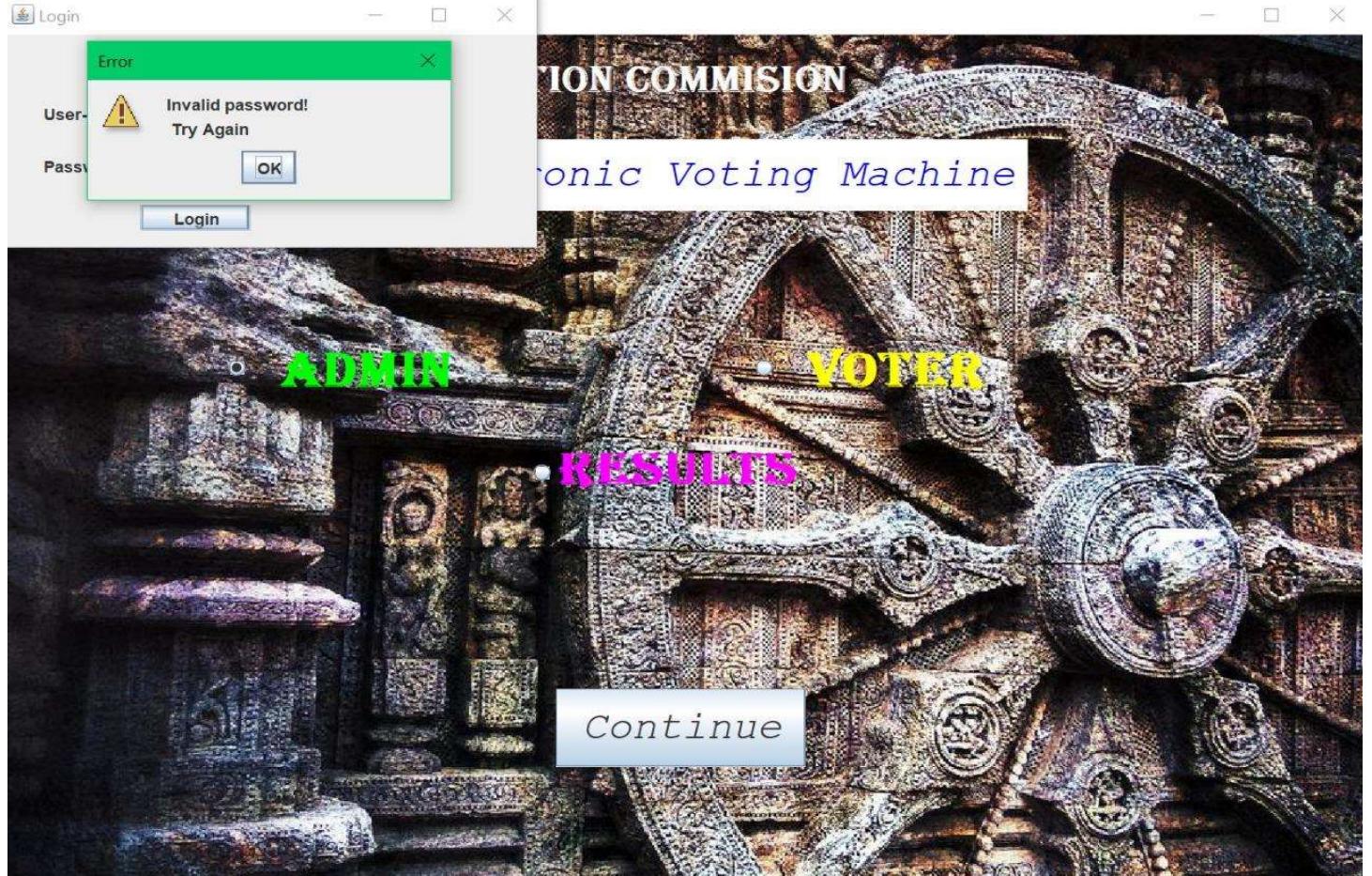
else
```

```
{  
    JOptionPane.showMessageDialog(j1,"Enter Valid \n  
UserName","Error",JOptionPane.WARNING_MESSAGE);  
  
    p.setText("");  
  
    tf1.setText("");  
  
}  
  
}  
  
public class Evm {  
    public static void main(String[] args) {  
  
        new ElectionMC();  
  
    }  
}
```

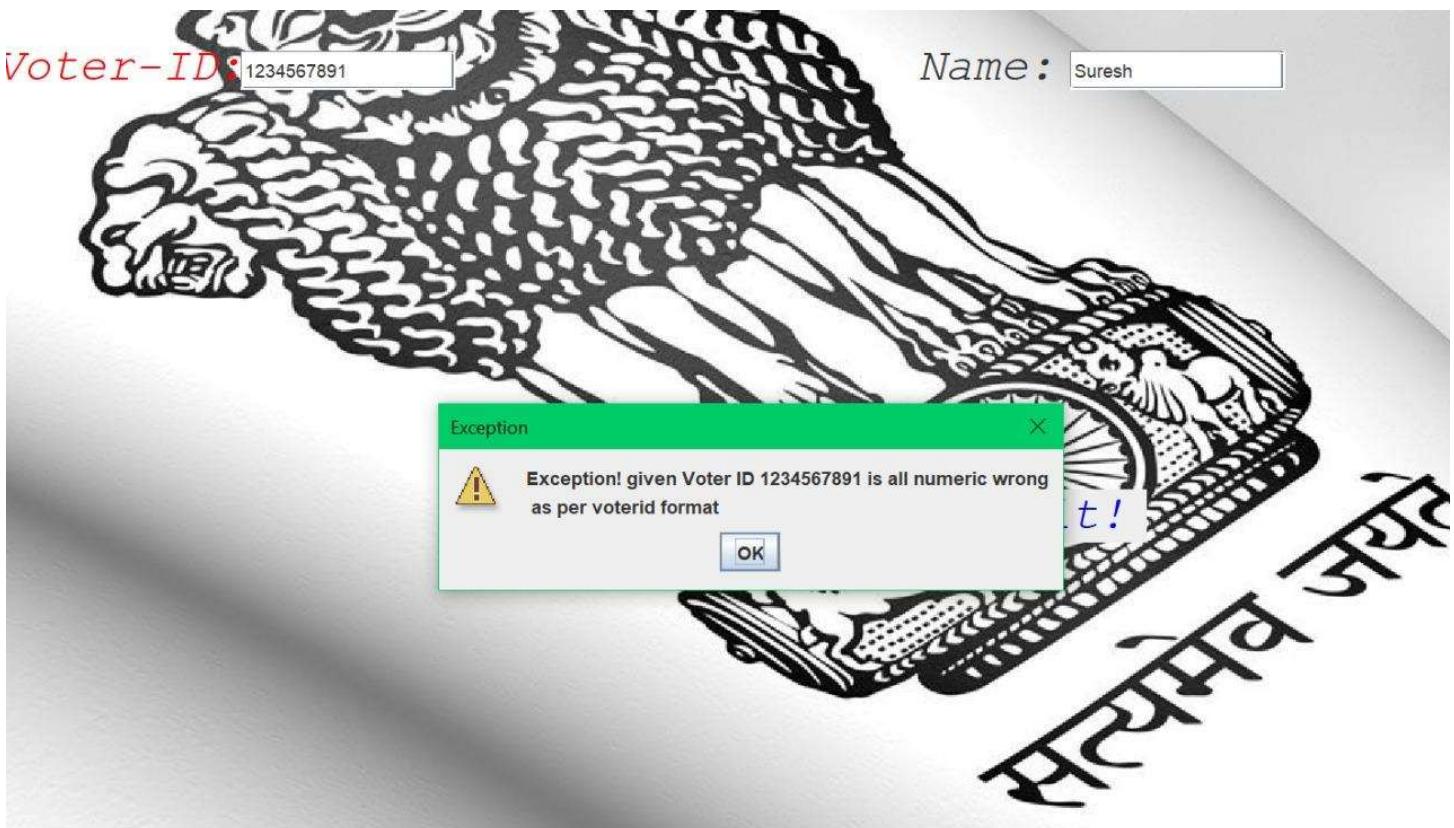
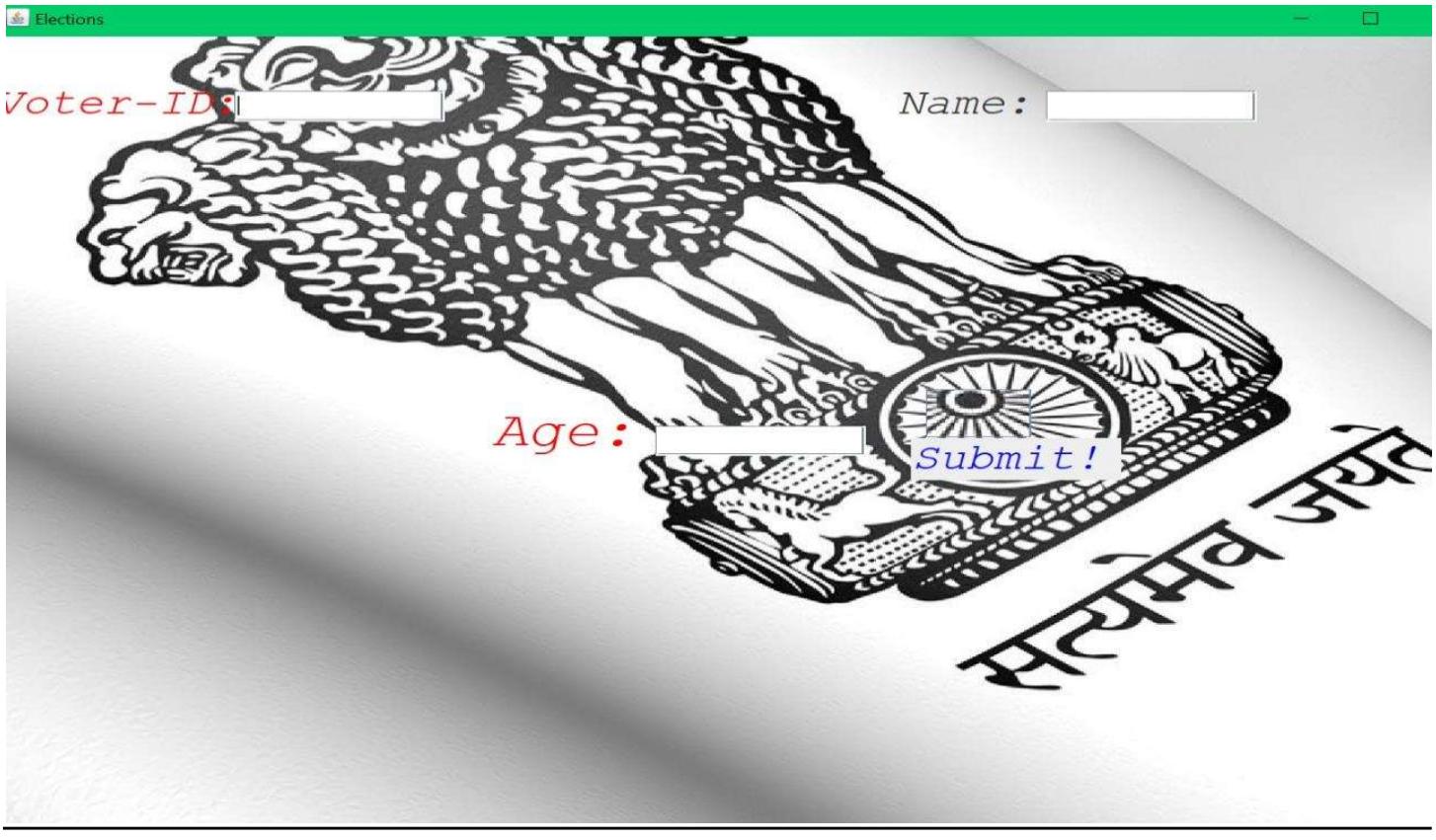
Output Samples:











Voter-ID: 23th90

Name: Ramesh

Age:

Enter Valid Voterid

OK



Submit!

Voter-ID: ZFE32IK810

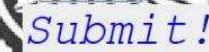
Name: Shrihari

Age:

15

Minor
⚠ You are not eligible to Vote
As you are a minor.

OK





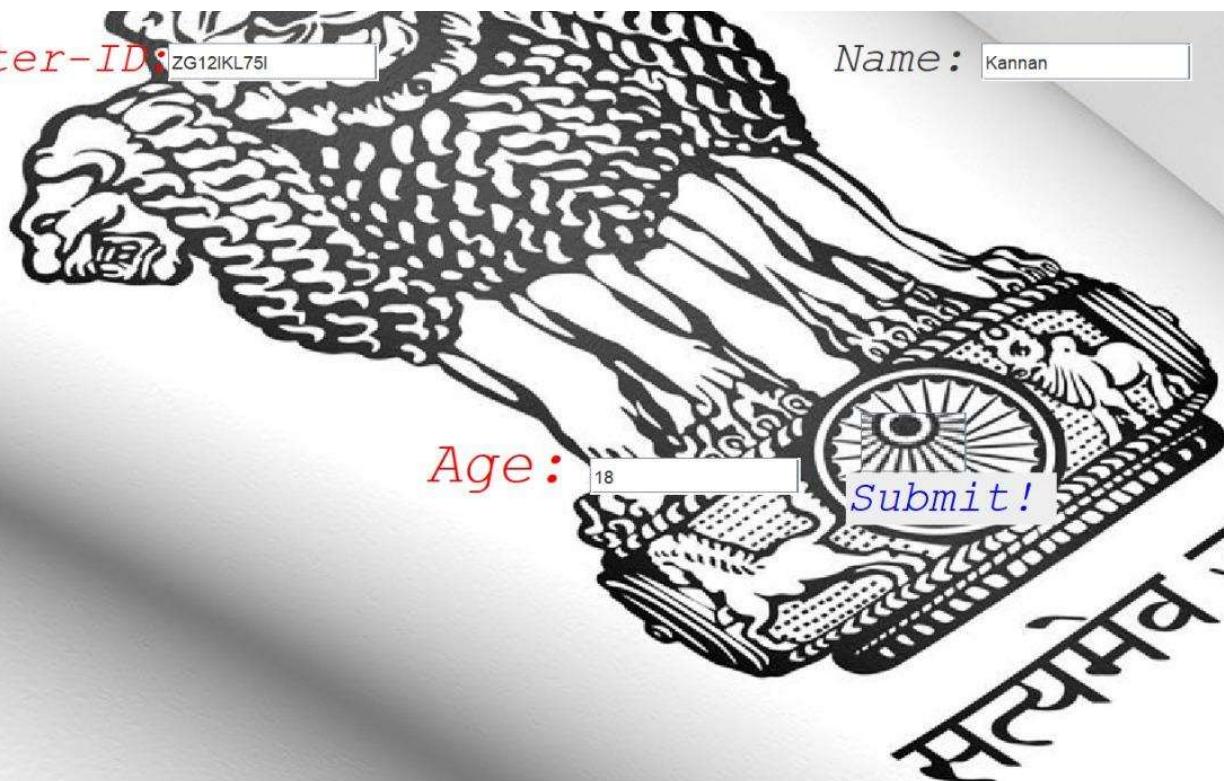
Voter-ID: ZG12IKL751

Name: Kannan

Age:

18

Submit!



-  KTP-Karnataka Trinamol Party
-  SRF-Surya Raajas Front
-  MKP-Masdoor Kisaan Party
-  CCI-Contradiction Committee of India
-  PSB-Public Soceital Broadway Party

VOTE!

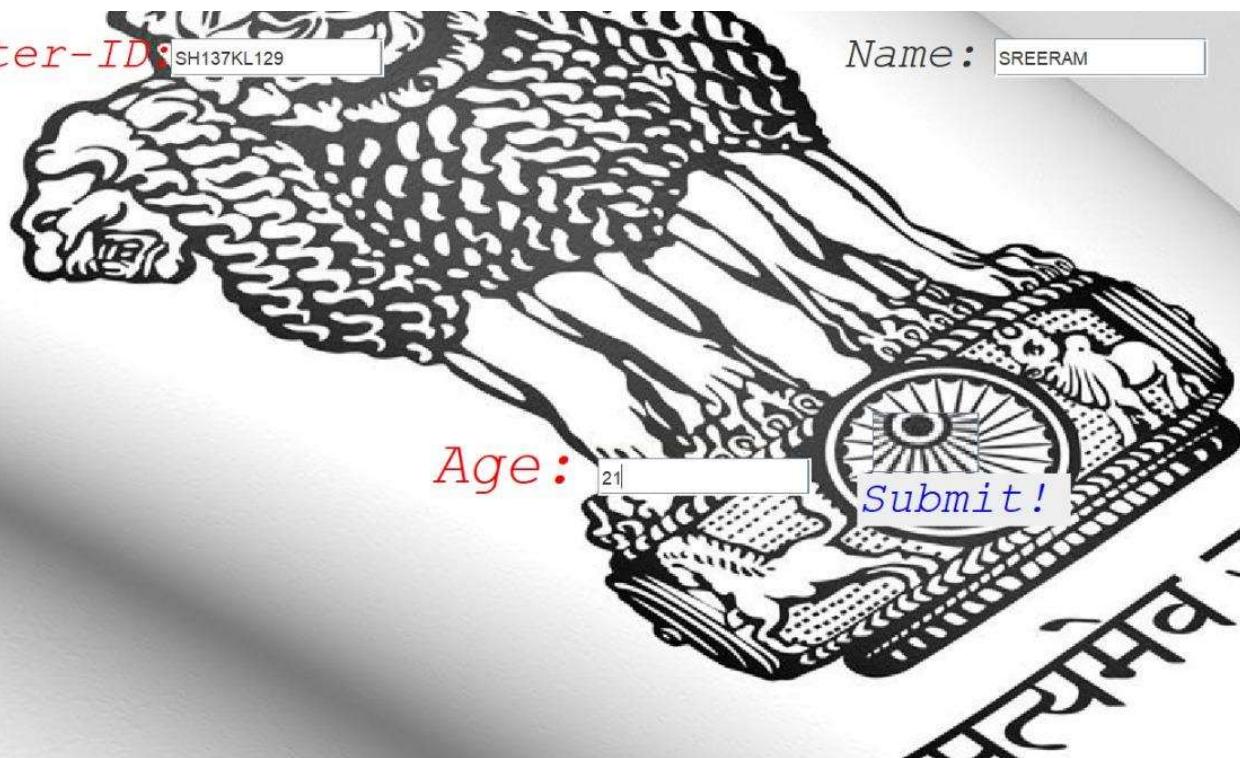
Voter-ID: SH137KL129

Name: SREERAM

Age:

21

Submit!

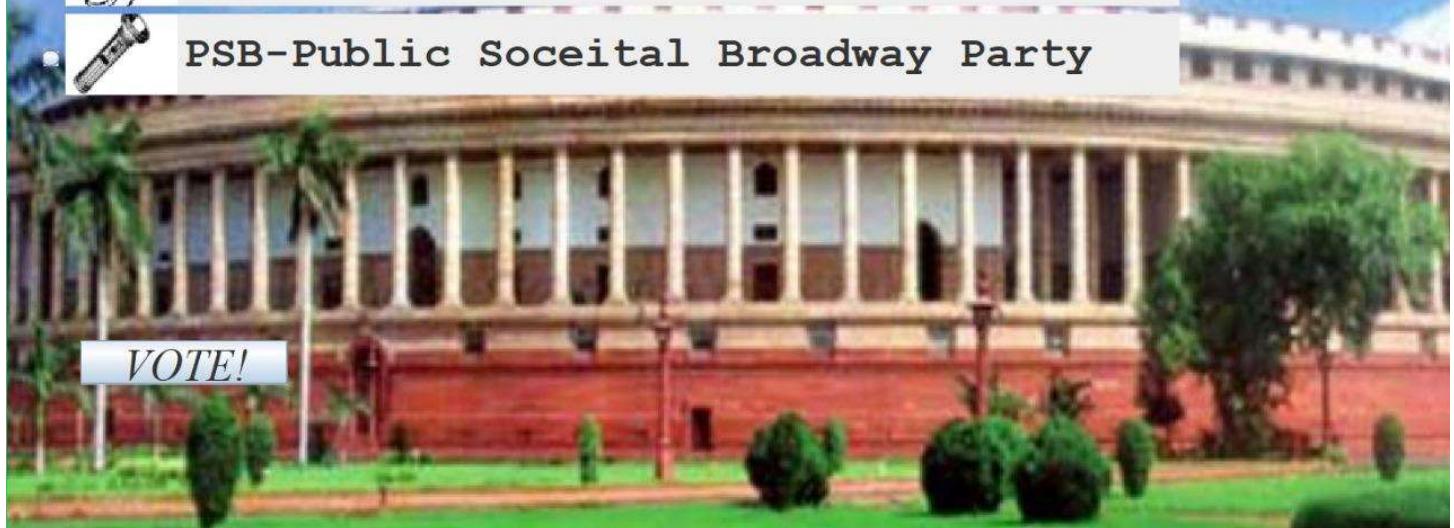


Vote

- □ ×

-  KTP-Karnataka Trinamol Party
-  SRF-Surya Raajas Front
-  MKP-Masdoor Kisaan Party
-  CCI-Contradiction Committee of India
-  PSB-Public Soceital Broadway Party

VOTE!



ELECTION COMMISSION



Electronic Voting Machine

ADMIN

VOTER

RESULTS

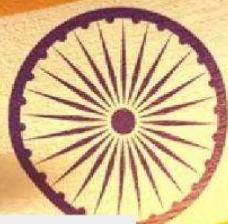
Continue

Results

- □ ×



SRF-Surya Raajas Front



WON THIS ELECTION!