



**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

**School of Information Technology & Engineering**

**M-Tech Software Engineering**

**SWE2022- SOFTWARE ENGINEERING PROCESS, TOOLS AND METHODS**

**ONLINE EVENT MANAGEMENT SYSTEM**

**FINAL REPORT**

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**Submitted to**

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**SLOT: E2**

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## **ABSTRACT**

This is an online event management system software project that serves the functionality of an event manager. The system allows only registered users to login and new users can register on the application. This is proposed to be a web application. The project provides most of the basic functionality required for an event. It allows the user to select from a list of event types. Once the user enters an event type eg(Marriage, Dance Show etc), the system then allows the user to select the date and time of event, place and the event equipment's. All this data is logged in the database and the user is given a receipt number for his booking. This data is then sent to the administrator (website owner) and they may interact with the client as per his requirements and his contact data stored in the database.

## **PROBLEM STATEMENT**

In any event many service providers work simultaneously and it is very hard to manage these providers. It is also important for event organizer that he has all the contacts details of these service providers so that he can contact them any time to plan an event at given time. . In present system Event Company has to do all management work manually. They keep all payment information on papers. There is no system to check the past expenses on any event. To do this they have to check payment register and this task is very time consuming and tiresome

## **HARDWARE AND SOFTWARE REQUIREMENTS**

### **Software Requirements:**

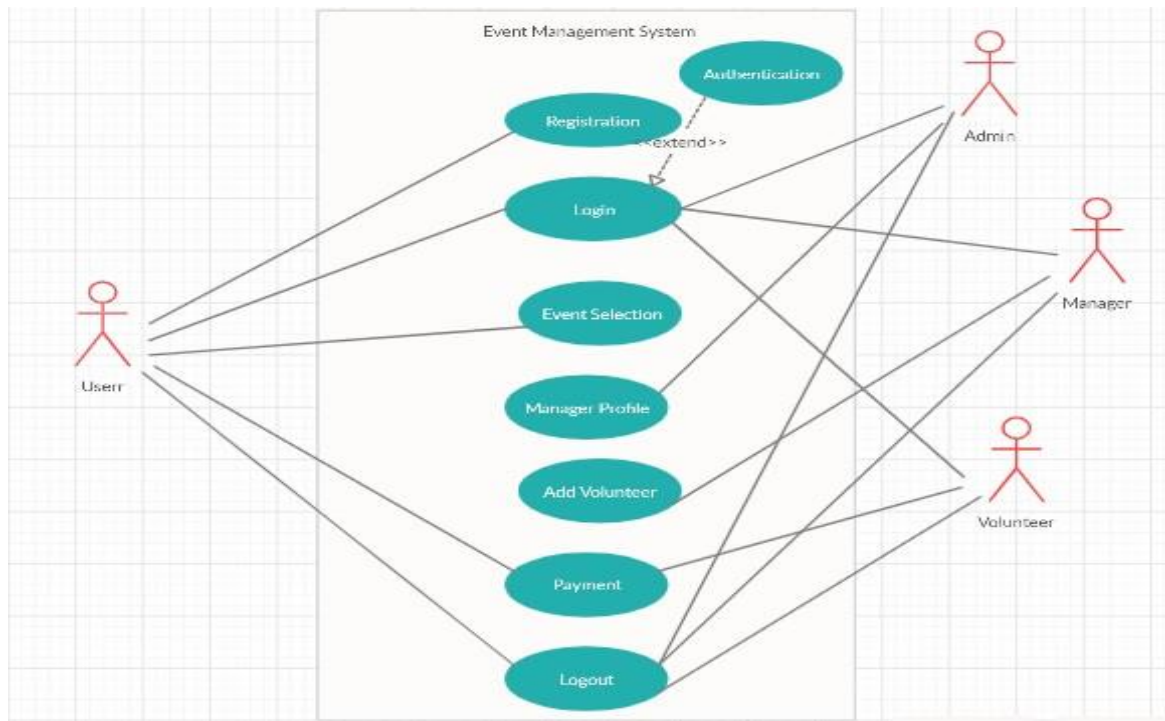
- Windows Xp, Windows 7(ultimate, enterprise)
- Java netbeans 8.0

### **Hardware Components:**

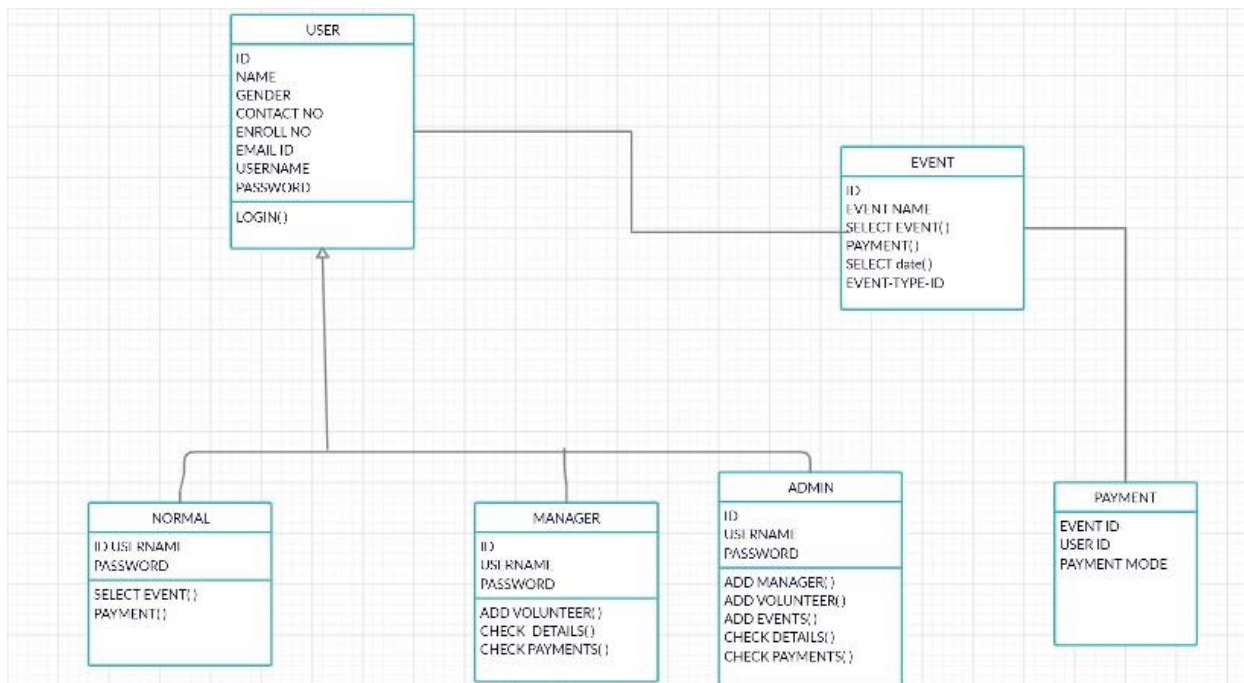
- Processor – i3
- Hard Disk – 5 GB
- Memory – 1GB RAM

# DESIGN

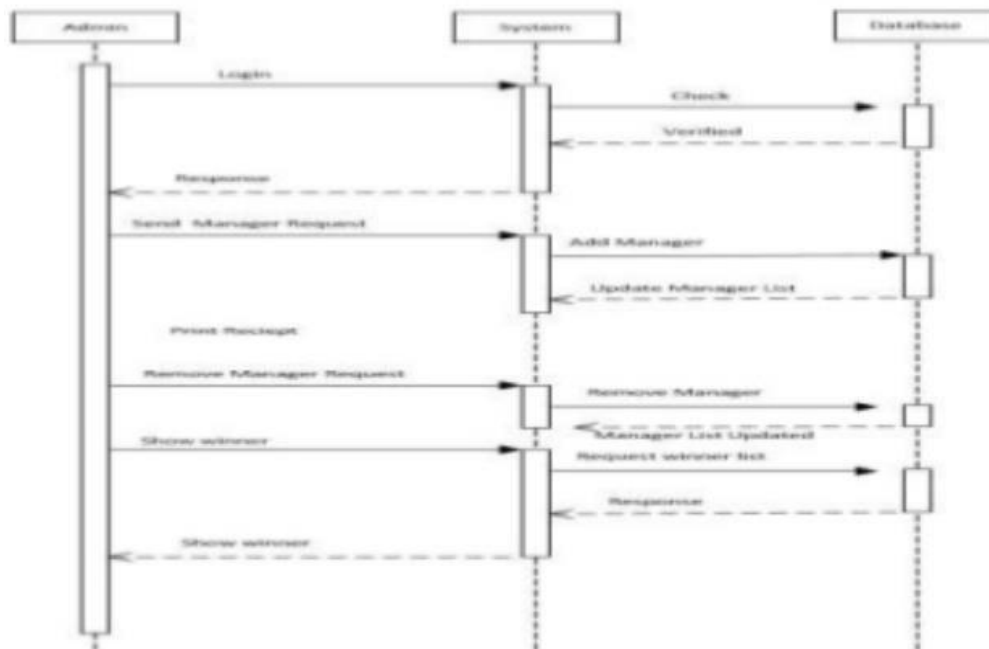
## USE CASE DIAGRAM



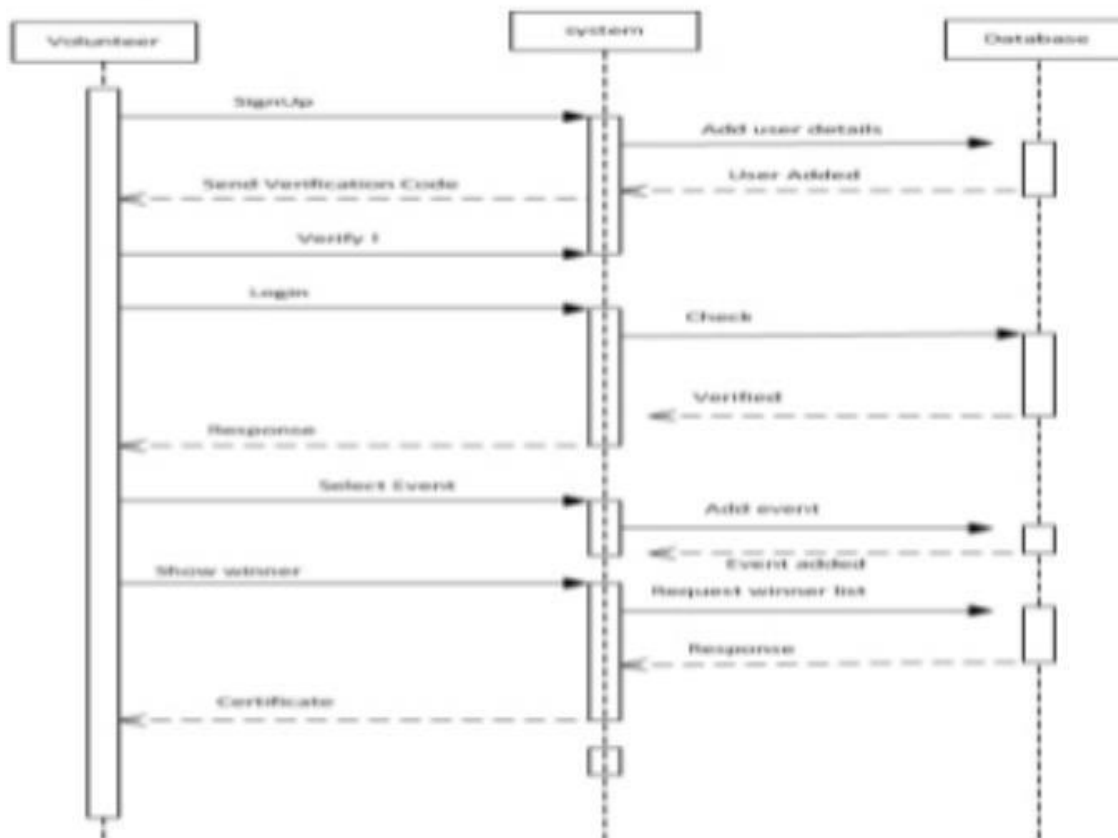
## CLASS DIAGRAM



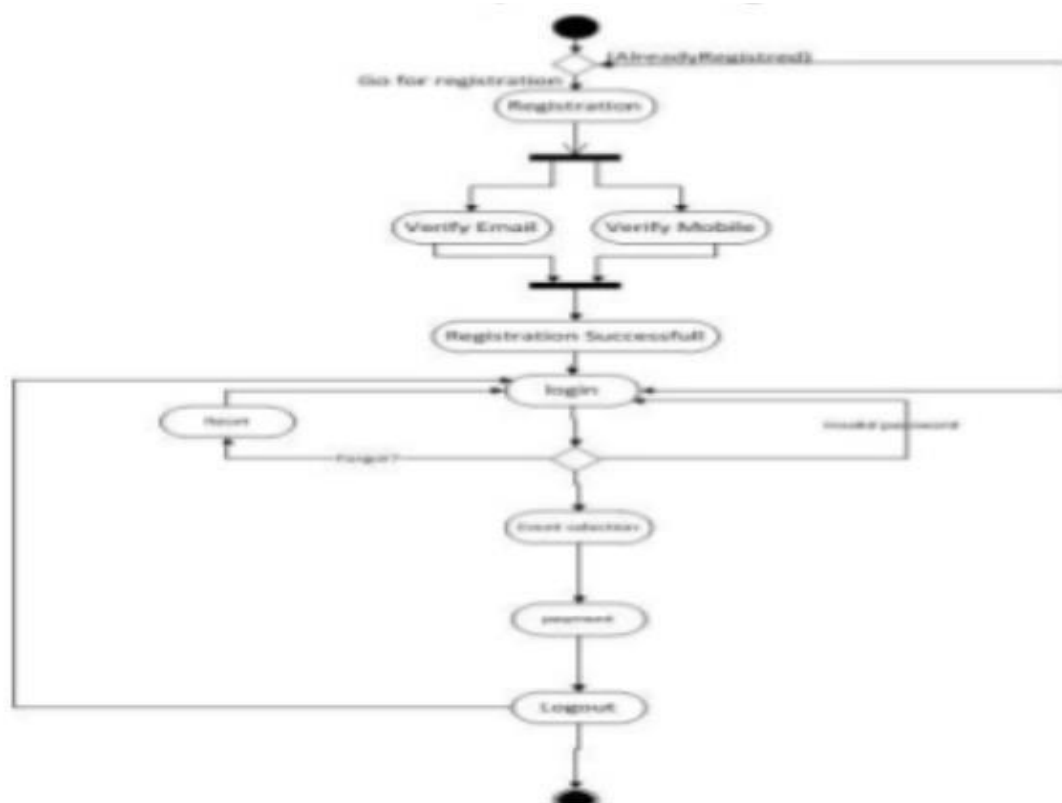
## SEQUENCE DIAGRAM FOR ADMIN



## SEQUENCE DIAGRAM FOR VOLUNTEER



## ACTIVITY DIAGRAM



## CODING

### LOGIN MODULE

```
import java.awt.*;
import java.awt.event.*;
import java.io.IOException;
import java.util.Scanner;

public class Home
{
    public static void main(String[] args) {
        {
            {
                Frame p = new Frame();
                Label l1,l2,l3,l4;
                TextField t1,t2;

                Button b3,b4;

                l1=new Label("Username");
                l2=new Label("Password");
                l3=new Label("Login Suuccessfull");
                l4=new Label("Username or Password is Incorrect");
                b3=new Button("Login");
                b4=new Button("Register");
                t1=new TextField();
                t2=new TextField();
                p.addWindowListener(new WindowAdapter(){
                    @Override
                    public void windowClosing(WindowEvent win)
                    {
                        System.exit(0);
                    }
                });
            }
        }
    }
}
```

```
p.setSize(500, 300);
p.setBackground(Color.red);
p.setLayout(null);
l1.setBounds(40,60,80,30);
l2.setBounds(40,100,80,30);
l3.setBounds(60,180,150,30);
l4.setBounds(60,180,250,30);
b3.setBounds(100,140,80,30);
b4.setBounds(180,140,80,30);
t1.setBounds(130,60,140,30);
t2.setBounds(130,100,140,30);

p.add(l1);
p.add(l2);
p.add(b3);
p.add(b4);
p.add(t1);
p.add(t2);
p.setVisible(true);
b3.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e)
    {
        String a = t1.getText();
        String b = t2.getText();
        if(a.equals("sanju") && b.equals("sanju"))
        {
            p.add(l3);
            System.out.println("Opening HomePage");
            p.setVisible(false);
            home_page hp=new home_page();
            hp.main();
        }
    }
});
```



```

    }
    else if(a.equals("vikas") && b.equals("vikas"))
    {
        p.add(l3);
        System.out.println("Opening HomePage");
        p.setVisible(false);
        home_page hp=new home_page();
        hp.main();
    }
    else
    {
        p.add(l4);
        System.out.println("Username or Password is Incorrect");
    }
}
});
b4.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {

        System.out.println("Opening Registration Page");
        p.setVisible(false);
        Register hp=new Register();
        hp.main();

    }
});
}
}
}
}

```

## HOME PAGE

```
public class home_page
{
    void main()
    {
        {
            Frame f=new Frame();
            Label l1;
            Button b1,b2,b3;
            f.addWindowListener(new WindowAdapter(){
                @Override
                public void windowClosing(WindowEvent win)
                {
                    System.exit(0);
                }
            });
            l1=new Label("Select Required Event Type");
            b1=new Button("Marriage");
            b2=new Button("Birthday party");
            b3=new Button("Official Events");
            f.setSize(800, 300);
            f.setBackground(Color.gray);
            f.setLayout(null);
            l1.setBounds(100,60,300,30);
            b1.setBounds(100,100,140,30);
            b2.setBounds(260,100,140,30);
            b3.setBounds(420,100,140,30);

            f.add(l1);
            f.add(b1);
            f.add(b2);
            f.add(b3);
            f.setVisible(true);
        }
    }
}
```

```
b1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {

        System.out.println("Opening Marriage module");
        f.setVisible(false);
        Marriage hp=new Marriage();
        hp.main();

    }
});
b2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {

        System.out.println("Opening Birthday module");
        f.setVisible(false);
        Birthday hp=new Birthday();
        hp.main();

    }
});
b3.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {

        System.out.println("Opening OfficialEvents module");
        f.setVisible(false);
        Officialevnts hp=new Officialevnts();
        hp.main();

    }
});
```

```
});
```

```
}
```

```
}
```

```
}
```

## **MARRIAGE MODULE**

```
public class Marriage
```

```
{
```

```
    Label l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;
```

```
    Button b1,b2,b3,b4;
```

```
    public static TextField t1,t2,t4,t5,t6,t10,t12;
```

```
void main()
```

```
{
```

```
    Frame f=new Frame();
```

```
l1=new Label("Welcome To Marriage Module");
```

```
l2=new Label("Enter date of event");
```

```
l3=new Label("DD/MM/YYYY");
```

```
l4=new Label("No.of WallHangings");
```

```
l5=new Label("No.of Snow sprays");
```

```
l6=new Label("Catering(No.of Persons)");
```

```
l7=new Label("($10 per piece)");
```

```
l8=new Label("($50 per piece)");
```

```
l9=new Label("($35 per person)");
```

```
l10=new Label("(If orchestra is required click this button)");
```

```
l12=new Label("Total Amount");
```

```
b1=new Button("Back to home page");
```

```
b2=new Button("Calculate amount");
```

```
b3=new Button("Orchestra");
```

```
b4=new Button("Proceed to payment");
```

```
t2=new TextField();
t4=new TextField();
t5=new TextField();
t6=new TextField();
t10=new TextField();
t12=new TextField();
f.addWindowListener(new WindowAdapter(){
    @Override
    public void windowClosing(WindowEvent win)
    {
        System.exit(0);
    }
});
```

```
f.setSize(1000, 500);
f.setBackground(Color.gray);
f.setLayout(null);
l1.setBounds(100,60,190,30);
l2.setBounds(100,130,150,30);
l3.setBounds(500,130,100,30);
l4.setBounds(100,160,200,30);
l5.setBounds(100,190,200,30);
l6.setBounds(100,220,200,30);
l7.setBounds(500,160,100,30);
l8.setBounds(500,190,100,30);
l9.setBounds(500,220,150,30);
l10.setBounds(500,290,400,30);
l12.setBounds(100,330,100,30);
b1.setBounds(150,400,190,30);
b2.setBounds(150,290,140,30);
b3.setBounds(350,290,140,30);
b4.setBounds(350,400,200,30);
t2.setBounds(300,130,190,30);
```

```
t4.setBounds(300,160,190,30);  
t5.setBounds(300,190,190,30);  
t6.setBounds(300,220,190,30);  
t12.setBounds(300,330,190,30);
```

```
f.add(l1);  
f.add(l2);  
f.add(l3);  
f.add(l4);  
f.add(l5);  
f.add(l6);  
f.add(l7);  
f.add(l8);  
f.add(l9);  
f.add(l10);  
f.add(l12);  
f.add(b1);  
f.add(b2);  
f.add(b3);  
f.add(b4);  
f.add(t2);  
f.add(t4);  
f.add(t5);  
f.add(t6);  
f.add(t10);  
f.add(t12);  
f.setVisible(true);
```

```
b1.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {
```

```

        System.out.println("Opening HomePage");
        f.setVisible(false);
        home_page hp=new home_page();
        hp.main();

    }

});

b2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        int a = Integer.parseInt(t4.getText());
        int b = Integer.parseInt(t5.getText());
        int c = Integer.parseInt(t6.getText());

        int f = ((a*10)+(b*50)+(c*35));
        String msg = Integer.toString(f);
        t12.setText(msg);

    }

});

b3.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        int a = Integer.parseInt(t4.getText());
        int b = Integer.parseInt(t5.getText());
        int c = Integer.parseInt(t6.getText());

        int f = ((a*10)+(b*50)+(c*35)+1000);
        String msg = Integer.toString(f);
        t12.setText(msg);

    }
}

```

```

});

b4.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {

        System.out.println("Opening Billing Module");
        f.setVisible(false);
        Billing1 hp=new Billing1();
        hp.main();

    }
});

}

}

```

### **BIRTHDAY EVENTS**

```

public class Birthday
{
    Label l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;
    Button b1,b2,b4;
    public static TextField t2,t4,t5,t6,t10,t12;
    void main()
    {

        Frame f=new Frame();
        l1=new Label("Welcome To Birthday Module");
        l2=new Label("Enter date of event");
        l3=new Label("(DD/MM/YYYY)");
        l4=new Label("No.of WallHangings");
        l5=new Label("No.of Snow sprays");
        l6=new Label("Weight of cake(In Kg)");
        l7=new Label("($10 per piece)");
        l8=new Label("($50 per piece)");
    }
}

```



```
l9=new Label("(1Kg = 100$)");
l10=new Label("No.of Caps");
l11=new Label("($5 per piece)");
l12=new Label("Total Amount");
b1=new Button("Back to home page");
b2=new Button("Calculate amount");
b4=new Button("Proceed to payment");
t2=new TextField();
t4=new TextField();
t5=new TextField();
t6=new TextField();
t10=new TextField();
t12=new TextField();
f.addWindowListener(new WindowAdapter(){
    @Override
    public void windowClosing(WindowEvent win)
    {
        System.exit(0);
    }
});

f.setSize(1000, 500);
f.setBackground(Color.gray);
f.setLayout(null);
l1.setBounds(100,60,190,30);
l2.setBounds(100,130,150,30);
l3.setBounds(500,130,100,30);
l4.setBounds(100,160,200,30);
l5.setBounds(100,190,200,30);
l6.setBounds(100,220,200,30);
l7.setBounds(500,160,100,30);
l8.setBounds(500,190,100,30);
l9.setBounds(500,220,100,30);
```

```
l10.setBounds(100,250,100,30);  
l11.setBounds(500,250,100,30);  
l12.setBounds(100,320,100,30);  
b1.setBounds(150,400,190,30);  
b2.setBounds(150,290,140,30);  
b4.setBounds(350,400,200,30);  
t2.setBounds(300,130,190,30);  
t4.setBounds(300,160,190,30);  
t5.setBounds(300,190,190,30);  
t6.setBounds(300,220,190,30);  
t10.setBounds(300,250,190,30);  
t12.setBounds(300,320,190,30);
```

```
f.add(l1);  
f.add(l2);  
f.add(l3);  
f.add(l4);  
f.add(l5);  
f.add(l6);  
f.add(l7);  
f.add(l8);  
f.add(l9);  
f.add(l10);  
f.add(l11);  
f.add(l12);  
f.add(b1);  
f.add(b2);  
f.add(b4);  
f.add(t2);  
f.add(t4);  
f.add(t5);  
f.add(t6);  
f.add(t10);
```

```
f.add(t12);  
f.setVisible(true);
```

```
String adi = t2.getText();
```

```
b1.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {  
  
        System.out.println("Opening HomePage");  
        f.setVisible(false);  
        home_page hp=new home_page();  
        hp.main();  
  
    }  
});
```

```
b2.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {  
        int a = Integer.parseInt(t4.getText());  
        int b = Integer.parseInt(t5.getText());  
        int c = Integer.parseInt(t6.getText());  
        int d = Integer.parseInt(t10.getText());  
  
        int f = ((a*10)+(b*50)+(c*100)+(d*5));  
        String msg = Integer.toString(f);  
        t12.setText(msg);  
  
    }  
});
```

```
b4.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {
```

```

        System.out.println("Opening Billing Module");
        f.setVisible(false);
        Billing2 hp=new Billing2();
        hp.main();

    }
});

```

```

}

```

```

}

```

### **OFFICIAL EVENTS**

```

public class Officialevnts
{
    Label l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;
    Button b1,b2,b4;
    public static TextField t1,t2,t4,t5,t6,t10,t12;
    void main()
    {

        Frame f=new Frame();
        l1=new Label("Welcome To OfficialEvents Module");
        l2=new Label("Enter date of event");
        l3=new Label("(DD/MM/YYYY)");
        l4=new Label("No.of Tables(Rental)");
        l5=new Label("No.of Chairs(Rental)");
        l6=new Label("Catering(No.of Persons)");
        l7=new Label("($10 per piece)");
        l8=new Label("($10 per piece)");
        l9=new Label("($35 per person)");
        l12=new Label("Total Amount");
        b1=new Button("Back to home page");
        b2=new Button("Calculate amount");
    }
}

```

```
b4=new Button("Proceed to payment");
t2=new TextField();
t4=new TextField();
t5=new TextField();
t6=new TextField();
t12=new TextField();
f.addWindowListener(new WindowAdapter(){
    @Override
    public void windowClosing(WindowEvent win)
    {
        System.exit(0);
    }
});
```

```
f.setSize(1000, 500);
f.setBackground(Color.gray);
f.setLayout(null);
l1.setBounds(100,60,190,30);
l2.setBounds(100,130,150,30);
l3.setBounds(500,130,100,30);
l4.setBounds(100,160,200,30);
l5.setBounds(100,190,200,30);
l6.setBounds(100,220,200,30);
l7.setBounds(500,160,100,30);
l9.setBounds(500,220,150,30);
l8.setBounds(500,190,100,30);
l12.setBounds(100,330,100,30);
b1.setBounds(150,400,190,30);
b2.setBounds(150,290,140,30);
b4.setBounds(350,400,200,30);
t2.setBounds(300,130,190,30);
t4.setBounds(300,160,190,30);
t5.setBounds(300,190,190,30);
```

```
t6.setBounds(300,220,190,30);  
t12.setBounds(300,330,190,30);
```

```
f.add(l1);  
f.add(l2);  
f.add(l3);  
f.add(l4);  
f.add(l5);  
f.add(l6);  
f.add(l7);  
f.add(l9);  
f.add(l8);  
f.add(l12);  
f.add(b1);  
f.add(b2);  
f.add(b4);  
f.add(t2);  
f.add(t4);  
f.add(t5);  
f.add(t6);  
//f.add(t10);  
f.add(t12);  
f.setVisible(true);
```

```
b1.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {  
  
        System.out.println("Opening HomePage");  
        f.setVisible(false);  
        home_page hp=new home_page();  
        hp.main();  
    }  
});
```

```
    }  
    });  
    b2.addActionListener(new ActionListener() {  
        public void actionPerformed(ActionEvent e)  
        {  
            int a = Integer.parseInt(t4.getText());  
            int b = Integer.parseInt(t5.getText());  
            int c = Integer.parseInt(t6.getText());  
  
            int f = ((a*10)+(b*10)+(c*35));  
            String msg = Integer.toString(f);  
            t12.setText(msg);  
  
        }  
    });  
    b4.addActionListener(new ActionListener() {  
        public void actionPerformed(ActionEvent e)  
        {  
  
            System.out.println("Opening Billing Module");  
            f.setVisible(false);  
            Billing3 hp=new Billing3();  
            hp.main();  
  
        }  
    });  
  
}  
}
```

## BILLING MODULE

```
public class Billing1
{
void main()
{
    Label l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12;
    Button b1,b2,b3;
    TextField t2,t4,t5,t6,t10,t12;
    Frame f=new Frame();
l1=new Label("Welcome To Billing Module");
l2=new Label("Order ID");
l3=new Label("(DD/MM/YYYY)");
l4=new Label("Date of Event");
l5=new Label("Total Amount");
l6=new Label("Advance Amount");
b1=new Button("Confirm Payment");
b2=new Button("Modify Event");
t2=new TextField();
t4=new TextField();
t5=new TextField();
t6=new TextField();
f.addWindowListener(new WindowAdapter(){
    @Override
    public void windowClosing(WindowEvent win)
    {
        System.exit(0);
    }
});

f.setSize(1000, 500);
f.setBackground(Color.gray);
f.setLayout(null);
l1.setBounds(100,60,190,30);
```



```
l2.setBounds(100,130,150,30);
l3.setBounds(500,160,100,30);
l4.setBounds(100,160,200,30);
l5.setBounds(100,190,200,30);
l6.setBounds(100,220,200,30);
b1.setBounds(150,290,190,30);
b2.setBounds(360,290,140,30);
t2.setBounds(300,130,190,30);
t4.setBounds(300,160,190,30);
t5.setBounds(300,190,190,30);
t6.setBounds(300,220,190,30);
```

```
f.add(l1);
f.add(l2);
f.add(l3);
f.add(l4);
f.add(l5);
f.add(l6);
f.add(b1);
f.add(b2);
f.add(t2);
f.add(t4);
f.add(t5);
f.add(t6);
f.setVisible(true);
```

```
Random ip = new Random();
int i;
i = ip.nextInt(100000);
String msg = Integer.toString(i);
t2.setText(msg);
```

```
String date=Marriage.t2.getText().toString();
```

```
String amt=Marriage.t12.getText().toString();
```

```
t4.setText(date);
```

```
t5.setText(amt);
```

```
int p = Integer.parseInt(amt);
```

```
int adv = (p*30)/100;
```

```
String s = Integer.toString(adv);
```

```
t6.setText(s);
```

```
b1.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {
```

```
        System.out.println("Opening HomePage");
```

```
        f.setVisible(false);
```

```
        Confirm hp=new Confirm();
```

```
        hp.main();
```

```
    }
```

```
});
```

```
b2.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {
```

```
        System.out.println("Opening HomePage");
```

```
        f.setVisible(false);
```

```
        Marriage hp=new Marriage();
```

```
        hp.main();
```

```
    }
```

```
});
```

```
}
```

```
}
```

## **PAYMENT MODULE**

```
public class Confirm
```

```
{
```

```
void main()
```

```
{
```

```
Label l1,l2,l3,l4,l5,l6,l7;
```

```
Button b1,b2,b3;
```

```
TextField t2,t4,t5,t6,t10,t12;
```

```
Frame f=new Frame();
```

```
l1=new Label("Welcome To Confirmation of Payment Module");
```

```
l2=new Label("Name on Card");
```

```
l3=new Label("Payment Sucessfull");
```

```
l4=new Label("ATM No");
```

```
l5=new Label("Exp - Date");
```

```
l6=new Label("CVV");
```

```
l7=new Label("Fields are INCORRECT");
```

```
b1=new Button("Logout");
```

```
b2=new Button("Confirm Payment");
```

```
t2=new TextField();
```

```
t4=new TextField();
```

```
t5=new TextField();
```

```
t6=new TextField();
```

```
f.addWindowListener(new WindowAdapter(){
```

```
    @Override
```

```
    public void windowClosing(WindowEvent win)
```

```
    {
```

```
        System.exit(0);
```

```
    }
```

```
});
```

```
f.setSize(1000, 500);
```

```
f.setBackground(Color.gray);  
f.setLayout(null);  
l1.setBounds(100,60,300,30);  
l2.setBounds(100,130,150,30);  
l3.setBounds(150,290,190,30);  
l4.setBounds(100,160,200,30);  
l5.setBounds(100,190,200,30);  
l6.setBounds(100,220,200,30);  
l7.setBounds(100,290,200,30);  
b1.setBounds(600,290,100,30);  
b2.setBounds(360,290,140,30);  
t2.setBounds(300,130,190,30);  
t4.setBounds(300,160,190,30);  
t5.setBounds(300,190,190,30);  
t6.setBounds(300,220,190,30);
```

```
f.add(l1);  
f.add(l2);  
f.add(l4);  
f.add(l5);  
f.add(l6);  
f.add(b1);  
f.add(b2);  
f.add(t2);  
f.add(t4);  
f.add(t5);  
f.add(t6);  
f.setVisible(true);
```

```
b2.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e)  
    {
```

```
String a = t2.getText();
```

```
String b = t4.getText();
```

```
String c = t5.getText();
```

```
String d = t6.getText();
```

```
if(a.equals("TOOLS") && b.equals("123456789") && c.equals("11/22") && d.equals("111"))
```

```
{
```

```
    System.out.println("Payment Sucessfull");
```

```
    f.add(l3);
```

```
}
```

```
else
```

```
{
```

```
    System.out.println("Fields are INCORRECT");
```

```
    f.add(l7);
```

```
}
```

```
}
```

```
});
```

```
b1.addActionListener(new ActionListener() {
```

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

```
    {
```

```
        f.setVisible(false);
```

```
        System.exit(0);
```

```
    }
```

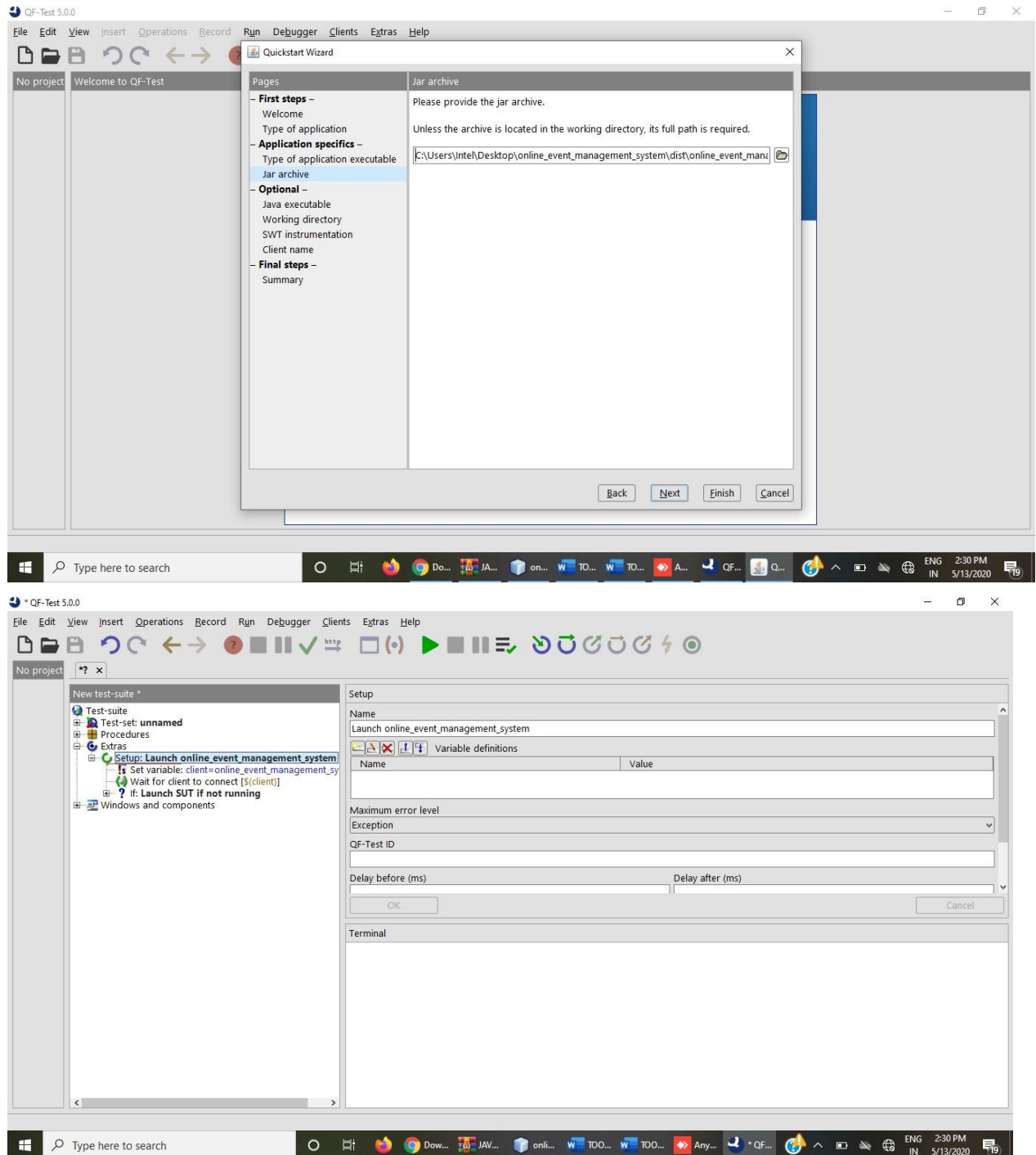
```
});
```

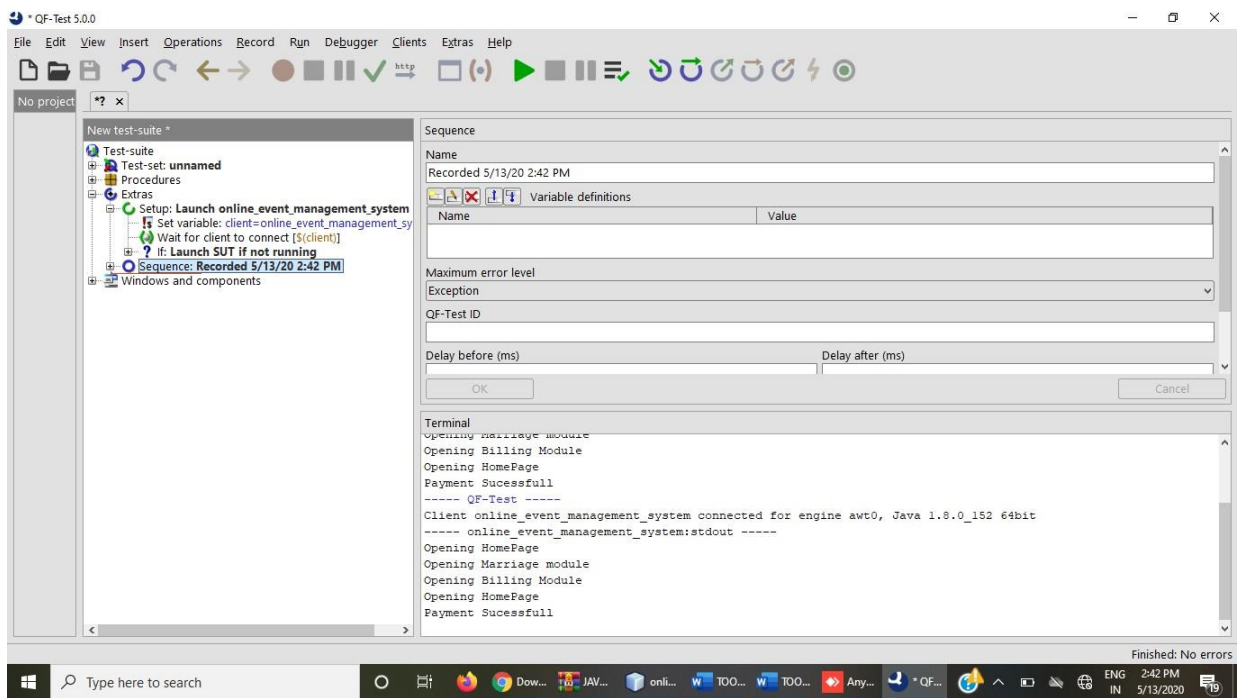
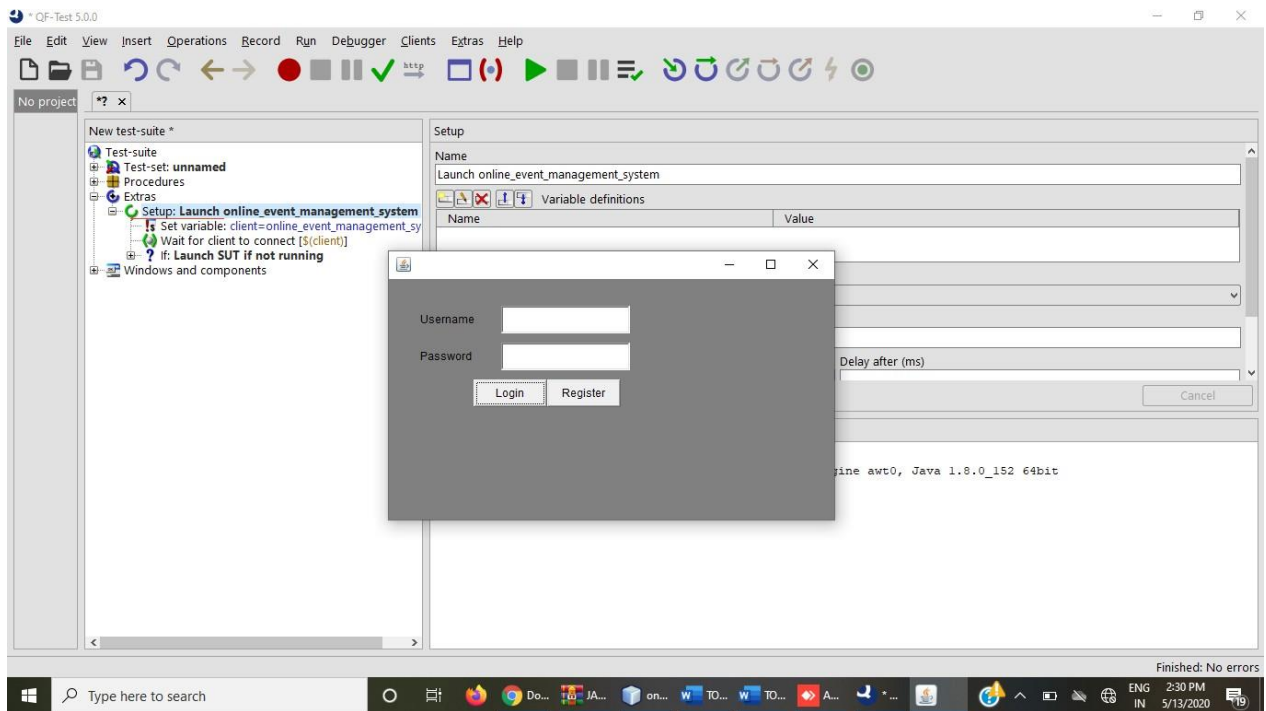
```
}
```

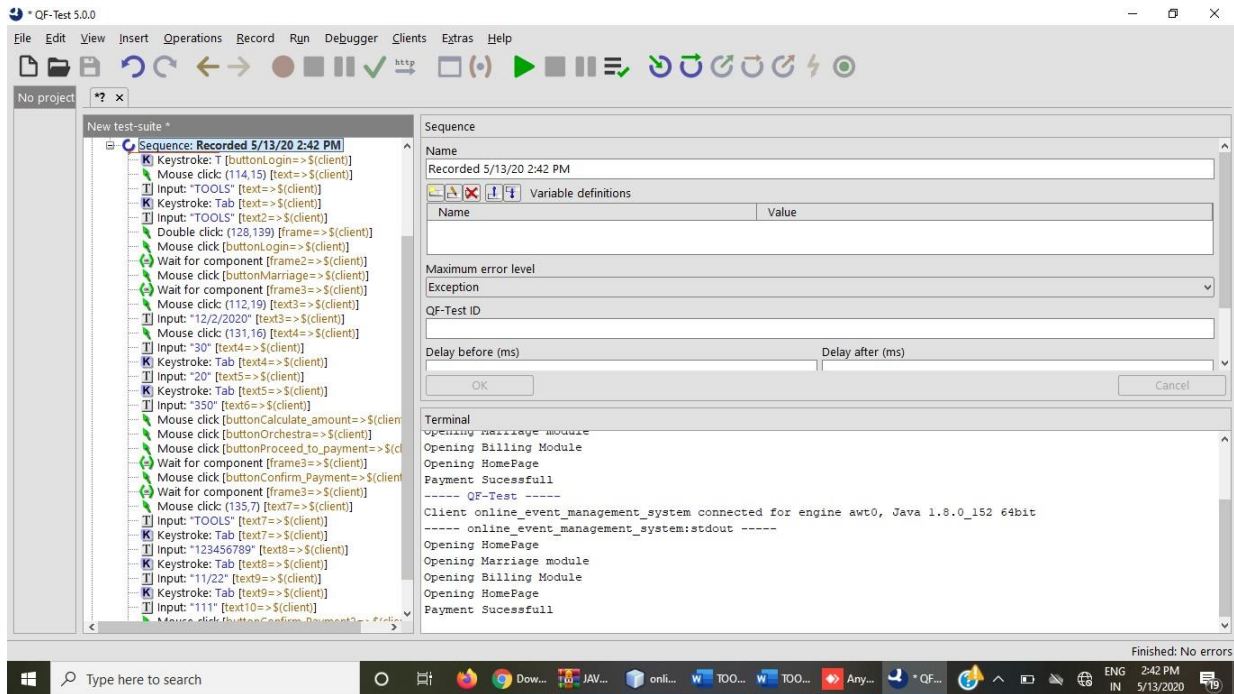
```
}
```

# TESTING

## QF TEST(Quality First)

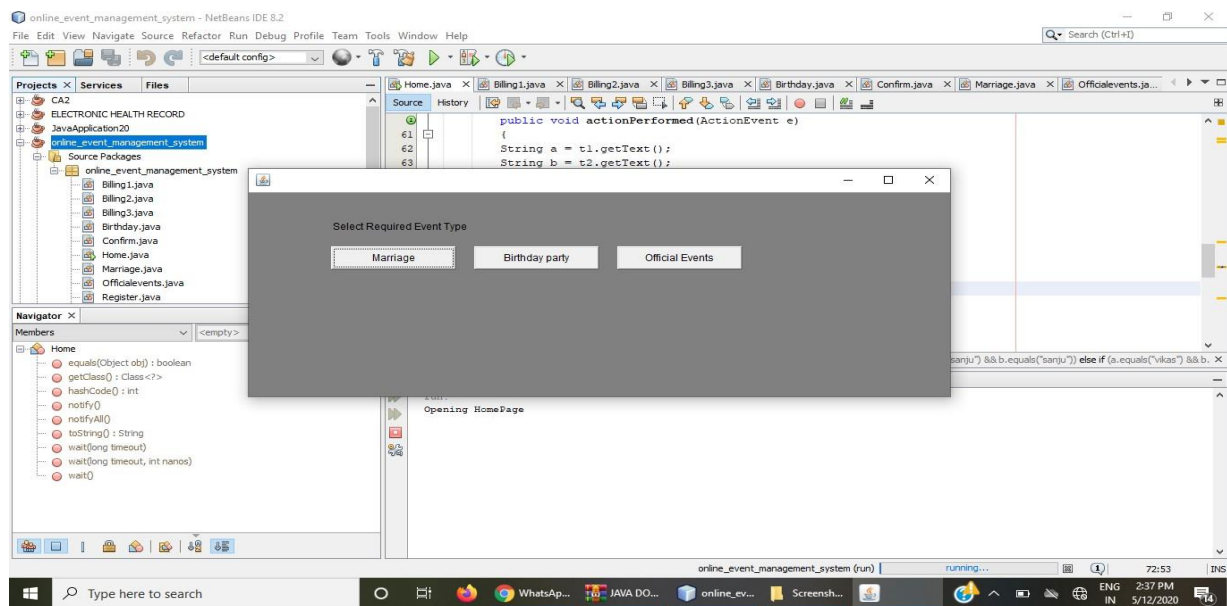
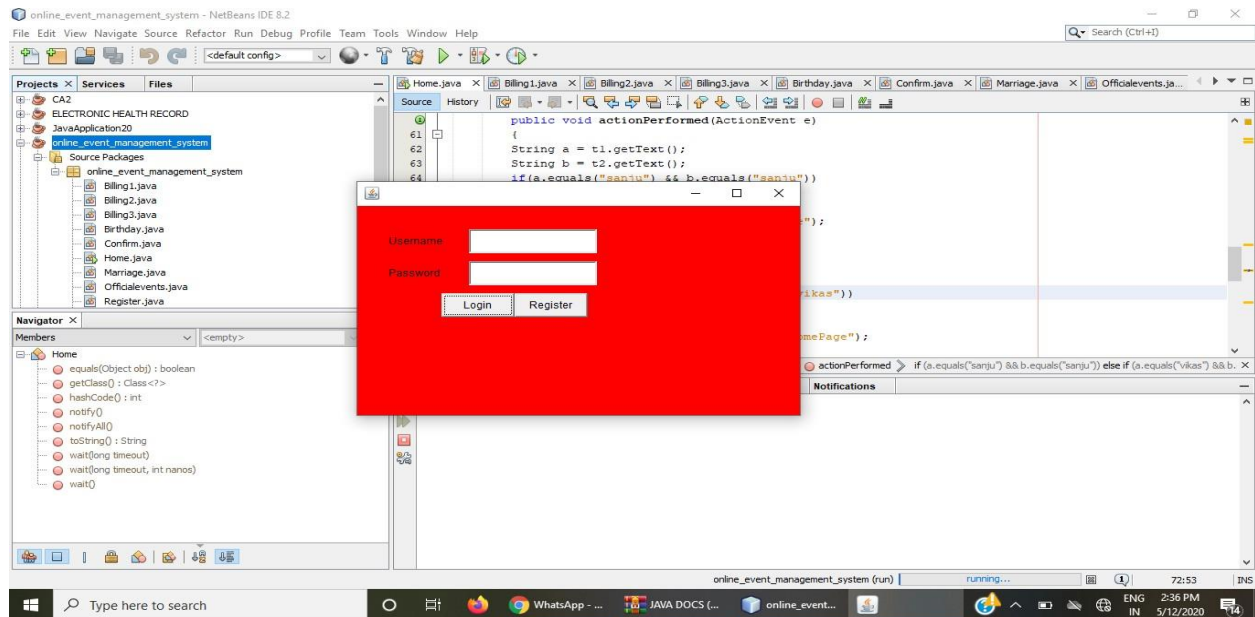


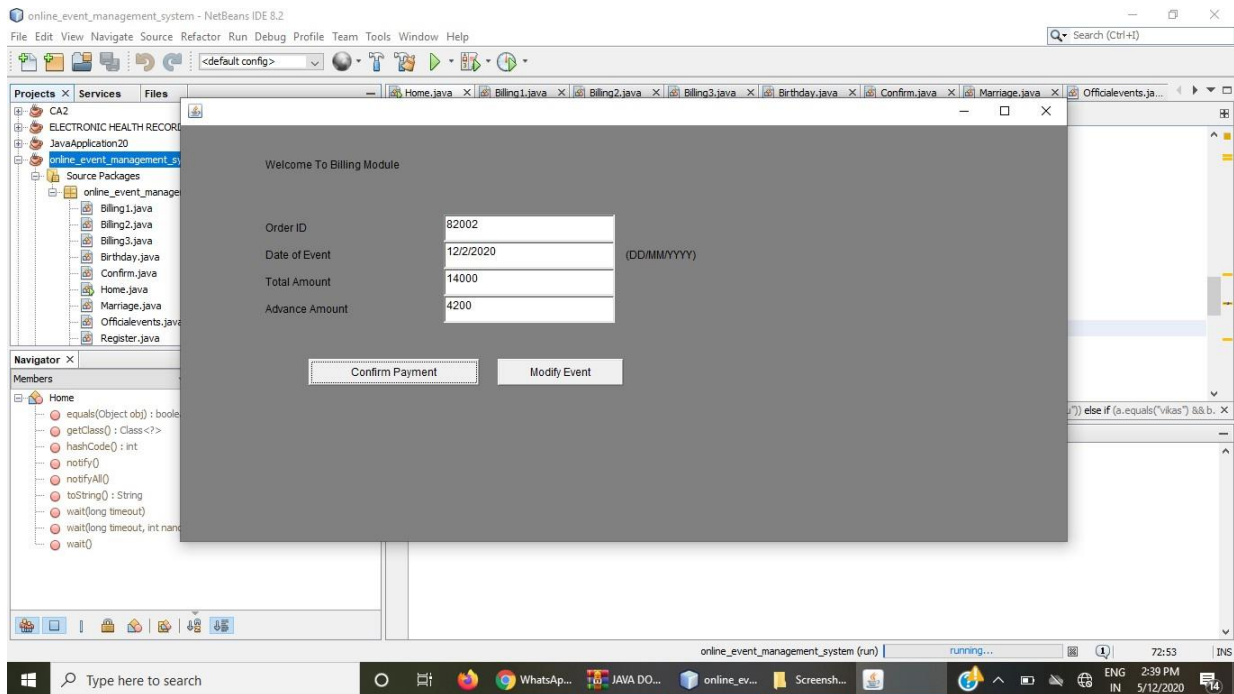
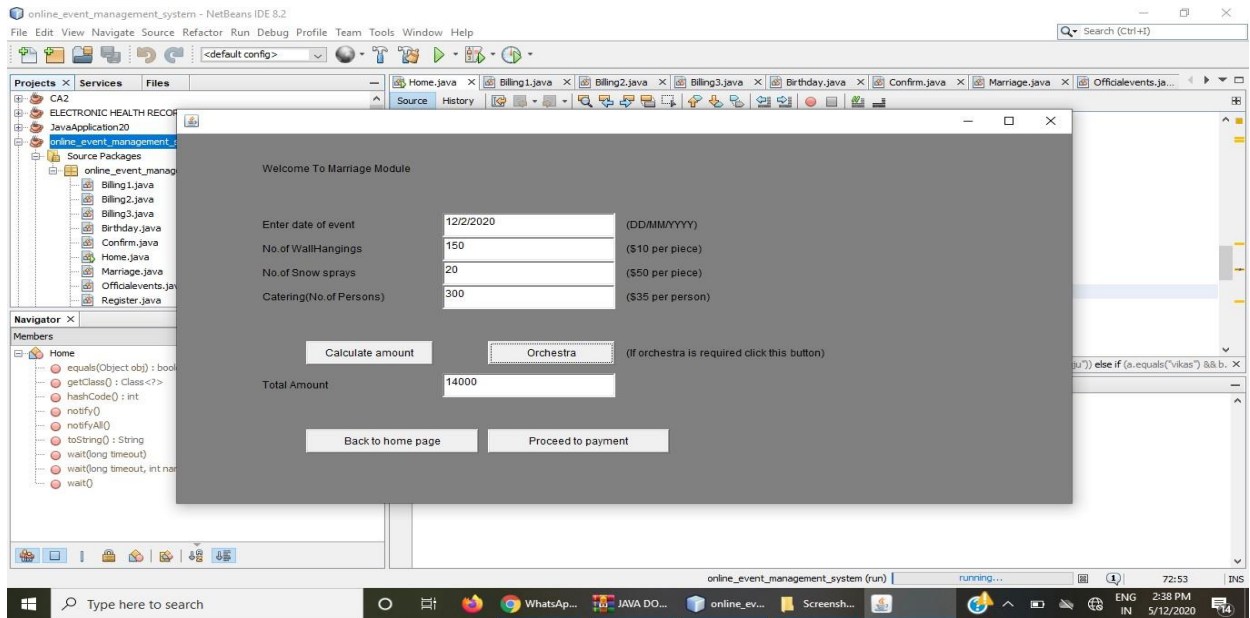


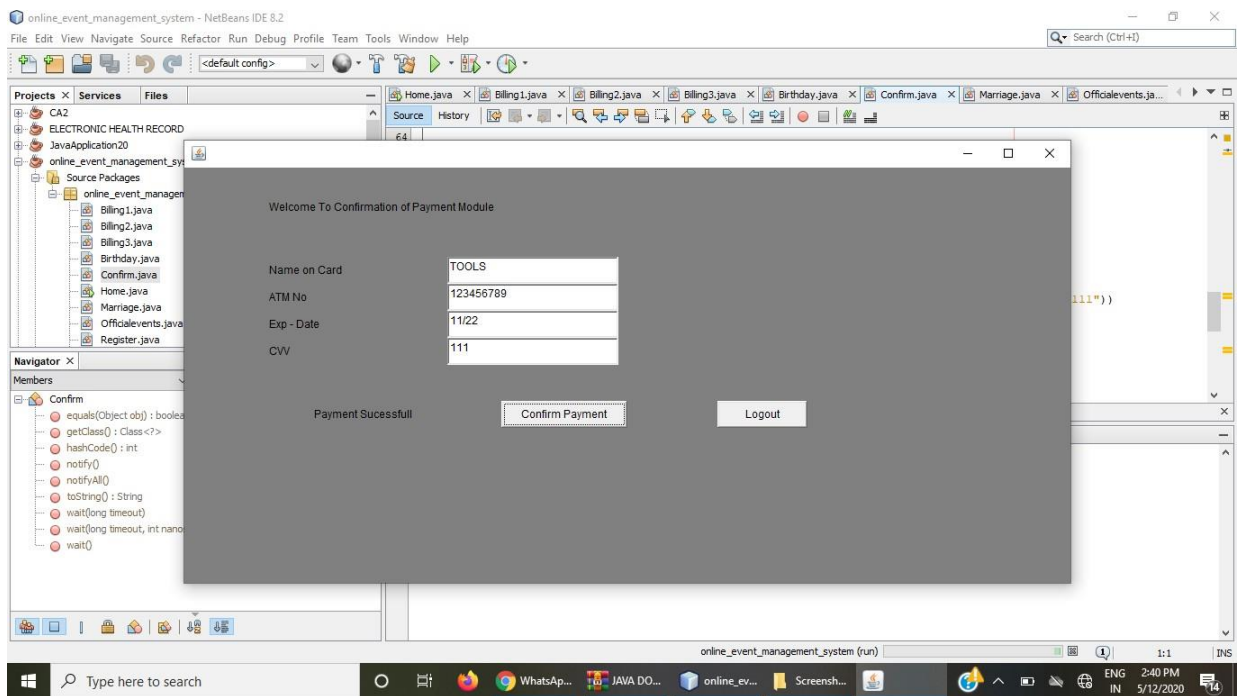
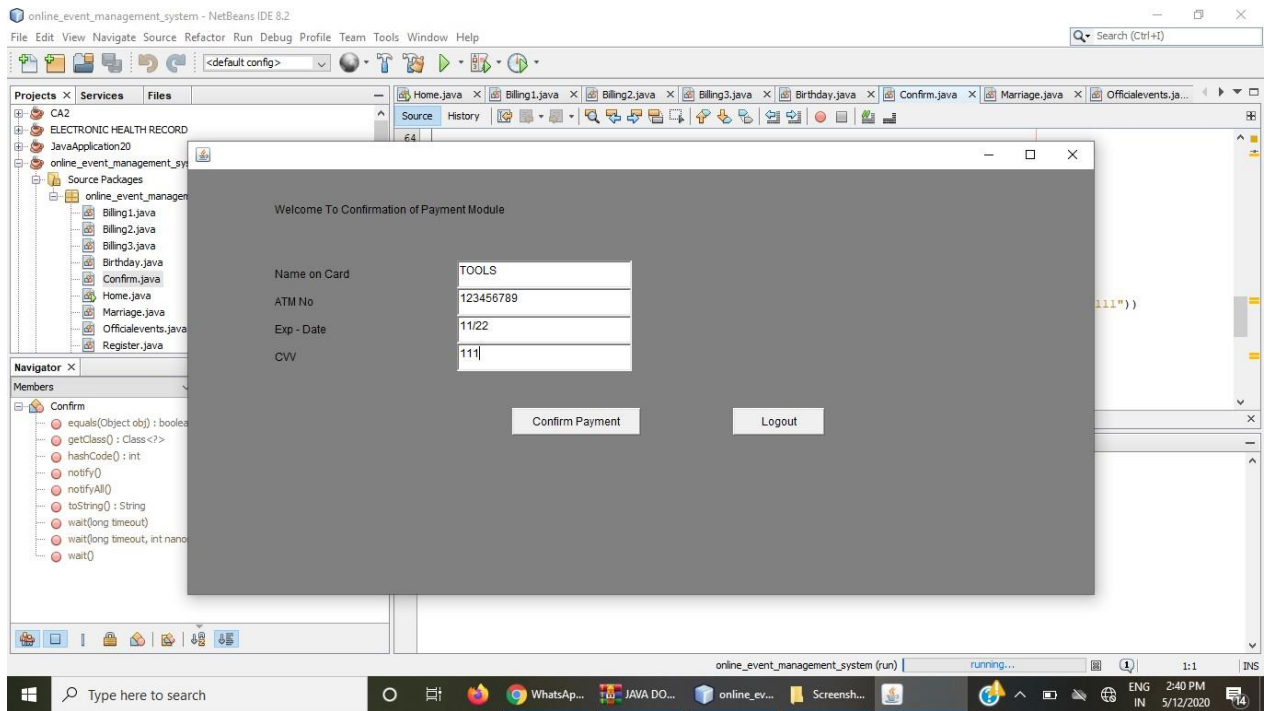


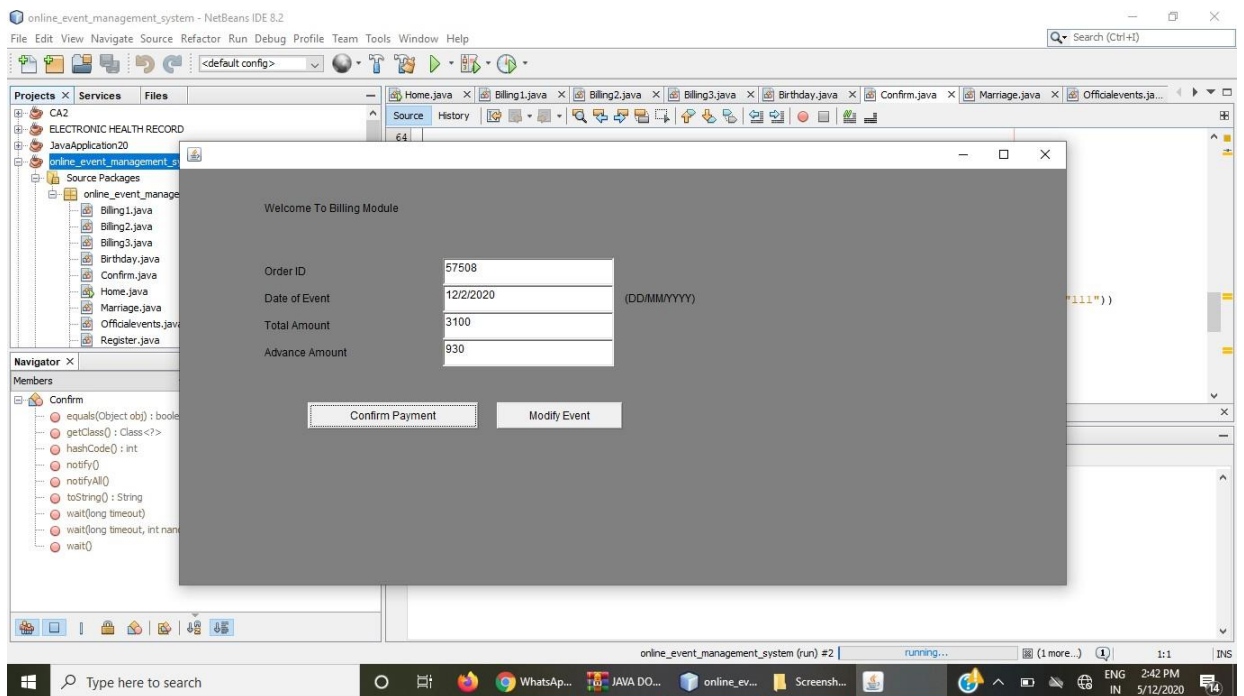
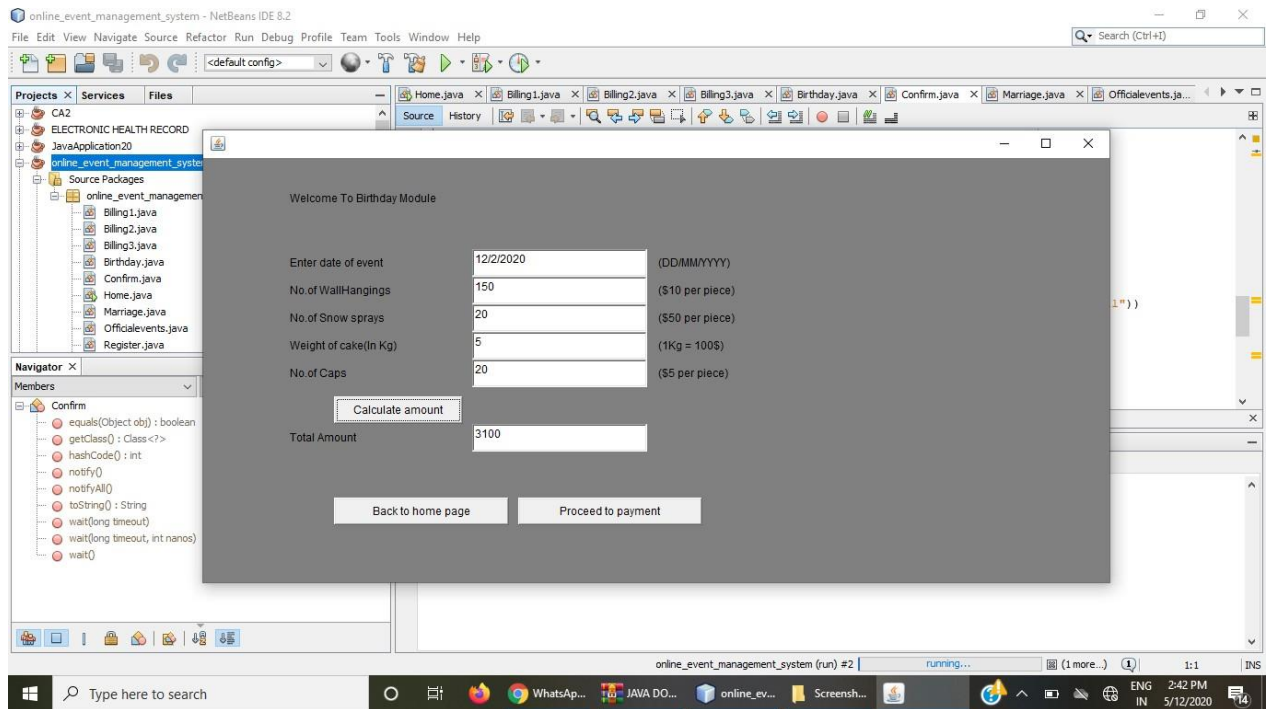


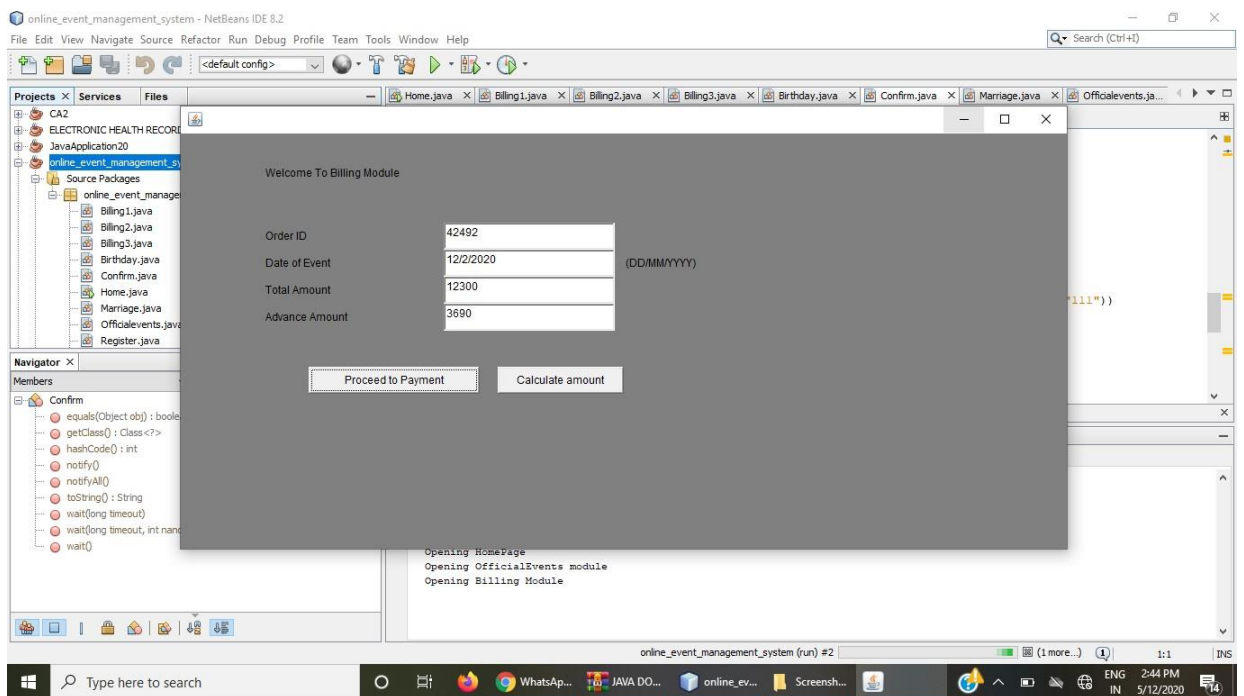
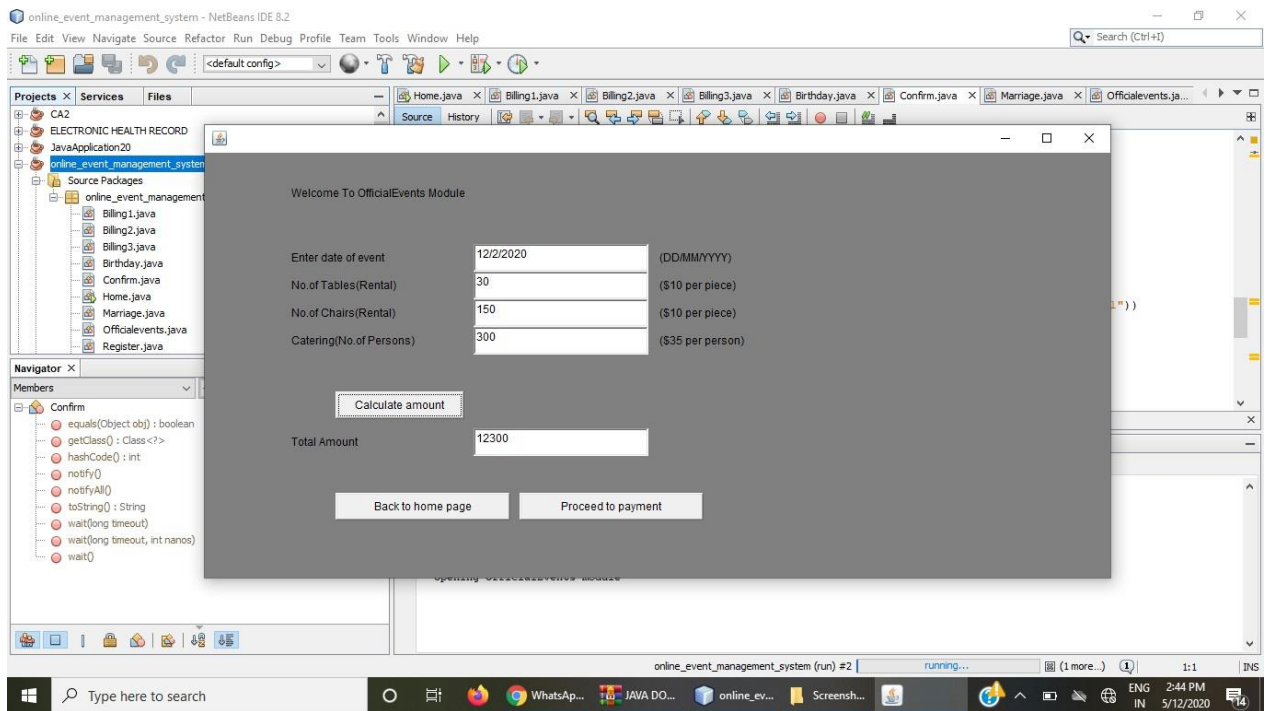
## SCREENSHOTS



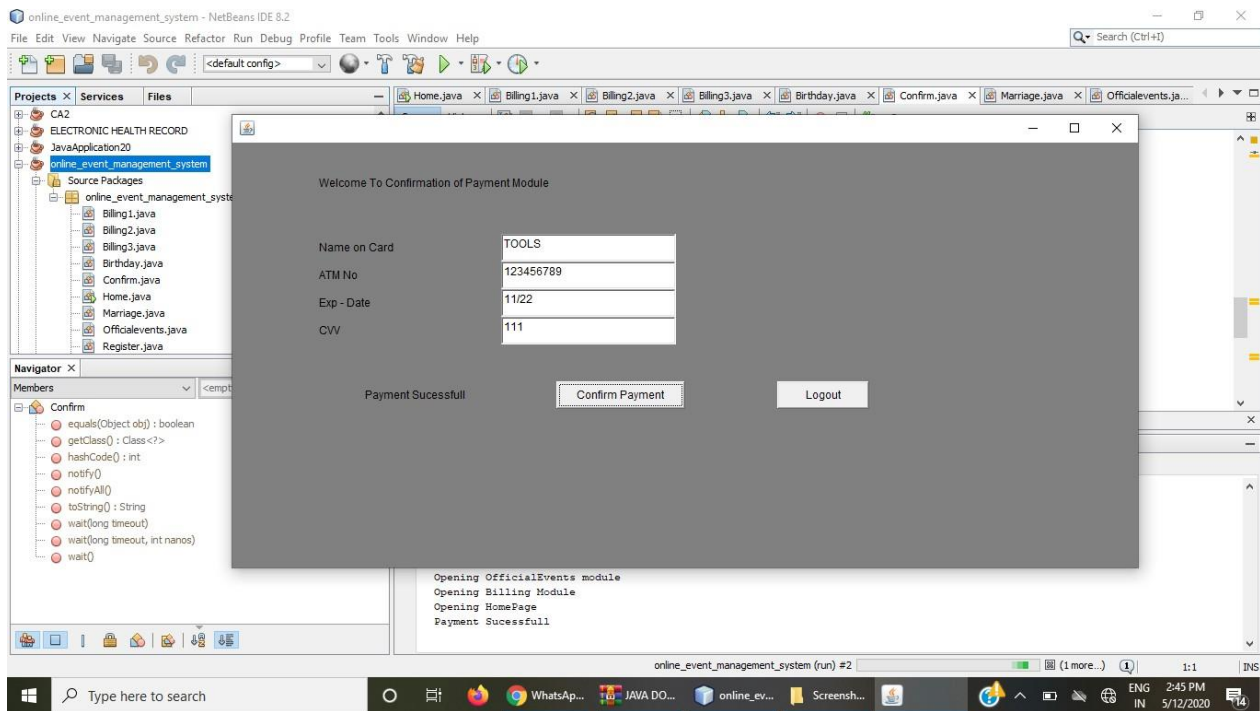












## CONCLUSION

Our project is only a humble venture to satisfy the needs to manage their project work. Several user-friendly coding have also adopted. This package shall prove to be a powerful package in satisfy all requirements of the user. The objective of software planning is to provide a framework that enable the manager to make reasonable estimate made within a limited time frame at the beginning of the software project and should be update regularly as the project regularly.

At the end it is concluded that we have made effort on following points...

- A description of background and context of the project and its relation to work already done in the area.
- Made statement of the aims and objectives of the project.
- The description of the purpose, scope and applicability.
- We define the project on which we are working in project.
- We describe the requirement specifications of the system and actions that can be done on these things.
- We designed user interface and security issues related to system.
- Finally the system is implemented and tested according to the test cases