



(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

WORK PROCESS MANAGEMENT SYSTEM

A Report for the Evaluation 3 of Project 2

Submitted by

PRANJAL CHAUHAN

(1713104055/17SCSE104056)

in partial fulfillment for the award of the degree

of

BACHELOR OF COMPUTER APPLICATION

IN

SCHOOL OF COMPUTING SCIENCE AND ENGINEERING

Under the Supervision of

Ms. Varsha Sisaudia

APRIL/MAY-2020



**SCHOOL OF COMPUTING AND SCIENCE AND
ENGINEERING
BONAFIDE CERTIFICATE**

Certified that this project report “**LIC AGENT MANAGEMENT SYSTEM**” is the bonafide workof “**PRANJAL CHAUHAN(1713104055)**” who carried out the project work under my supervision.

SIGNATURE OF HEAD

Dr.MUNISH SHABHARBAL
Professor & Dean,
School of Computing Science &
Engineering

SIGNATURE OF SUPERVISOR

Ms.VARSHA SISAUDIA
Professor
School of Computing Science
Engineering

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
1.	Abstract	4
2.	Introduction	5-6
	• Overall Description	6
	• Purpose	7
	• Motivation and Scope	8
3.	Existing System	9
4.	Proposed system	10
5.	Source Code	11-28
6.	Output / Result / Screenshot	29
7.	Implementation or architecture diagrams	30-34
8.	Conclusion/Future Enhancement	35-36
9.	References	37

ABSTRACT

Work process management will basically responsible for providing automation for required task which is to be done on time. Its primary focus will be on optimization steps which will provide alerts and sending the particular task to a particular system on specified time and date without any human intervention. The major tasks which can be achieved with the work process management are: – sharing of documents for working departments, sending emails with reply property if set by the admin along with formatted text fully integrated with the feature of content management system.

This system will provide a unique process solution for each of your task. Even you can configure or make changes by disrupting the ongoing work. The make documentation process easier, its project setting has been provided with options such as entering major elements under the created documents such as type of text and their size, sectional heading, date and time, name of owner and location for placing these fields. As the system will operate under live environment, it will also able to identify the type of work associated with working member. Through this package you will also able to list all employees and their working departments and designation.

INTRODUCTION

Every project needs different kind of stages or phases. To check the status of the project need the one solution. The project deal with form top-level management to lower level management and gives the full details of the projects. This tool shows the status of projects updating.

The existing system is more risk to take the process and very hard for day to day updating. The reports is taking the places of excel sheets and updates are done manual. Data should be very confusion format and it takes lot of time to update.

The present proposed system take less time to updating the data, the report generation is very quick and maintain very safe. The distribute of document s to client very easy, user can view the particulars whatever they wants.

This tool contains the four types of module. Those are Login, Project Manager, project leader and group leader.

To login this tool, each user need login id and password .After logon this tool Project Manager gives the permission to do the new project or not. If not he/she can add/delete/modifying the pervious project which they are presently working and the Project Leader gives the permission for total documents whether it is change or adds or delete thing.

The group lead is the taking the responded for the status of the completion or incompleation of documents.

The project Manger screen contains the all the details of the projects. Project name, name of the group leader and his number also start date of the project and end of the project date.It has permission to details of project now or old one and delete/update.

Overall Description

Work Process Management System is a type of time management computer software that is designed to alert the user of important events that they have input to the program. Most programs provide a calendar or list view of events, as well as a reminding technique. Most common reminding techniques are pop-up dialog boxes and auditory alarms.

Events may include birthdays, holidays, anniversaries, various one-time events. Often the software comes with a set of pre-installed events (such as holidays) and allows the user to create custom events.

As software gradually makes the transition to web services, a number of online reminder services have appeared. Users subscribed to those services usually receive their reminders by email or SMS. Context-aware reminder systems can set reminders based on the user's current location.

Purpose

Work process management system is help to the users to do the efficient flow of work and to increase its flexibility ,provide the proper event alert on time with alarm and it can make a proper role to makes the work on time to time and create a changes in the environment .

Most programs provide a calendar or list view of events, as well as a reminding technique. Most common reminding techniques are pop-up dialog boxes and auditory alarms.

Events may include birthdays, holidays, anniversaries, various one-time events. Often the software comes with a set of pre-installed events and allows the user to create custom events.

Motivation And Scope

It is designed and implemented to inform the person for a birthday and anniversary, here user can also create accustom event to inform to multiple persons. It is informed to a person with SMS and email.

Event reminders – which is useful for any special events like Birthdays etc. App sends automatically message and send e-mail.

This app adds a repeating Event reminder. You can customize the duration, multiple selections, update the events etc.

EXISTING SYSTEM

Existing system was not able to provide inbuilt process applications to improve the team performance and check out the status of ongoing process. This system was not able to make change while running the server and requires restart to begin with new changes.

If any other modules need to be updated or added during later section, then it involves wastage of time and resources. It was not able to identify the repetitive work assigned to particular team and in case of adding new member or new team, reconfiguration of database file required.

PROPOSED SYSTEM

This new system has been enabled with inbuilt report generation capabilities and providing the feature of downloading either in the format of pdf or in the form of excel of doc form. It can also make analysis by taking business parameters as their input field. It can also able to send files and messages to team members to particular team in batch processing mode or in real time environment.

Validation process will be down from the client side to improve server side performance and its optimized code will enhance the performance of this current system. Scheduling of any particular task and dispatching to a desired working section can be done by the admin panel easily.

It comes as no surprise to one that when everything is being converted to computerize. Already the business has to global with the coming of Internet. Now, no more the individual aims at the local market is also just a click of button away. Dozens of companies are in the race to convince auction and bidding that a pot of Policy's awaits those who conduct their business on the Internet. In this fast race of business and moneymaking, no country, no company and no individual want to fall back.

Everyone wants to lead the group. Hence, everyone is trying to make the best use of Internet.

Source Code

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

public class CPro extends JFrame implements ActionListener
{
    JLabel l1,l2,l3;
    JButton b1,b2;
    Container c=this.getContentPane();
    JPanel p,p1;
    String border_type="Line";
    AbstractBorder border=new LineBorder(Color.black);
    public CPro()
    {
        setSize(500,400);
        setTitle("Calendar Entry");
        p=new JPanel();
        p1=new JPanel();
        l1=new JLabel("Registered Employee");
        l2=new JLabel("New Employee");
        l3=new JLabel("ENTRY FOR CALENDAR CUM SCHEDULE");
        b1=new JButton("Go");
        b2=new JButton("Go");
        c.setLayout(null);
        move(120,100);
```

```
p1.setBounds(40,65,400,1);
p.setBounds(65,120,340,150);
l1.setBounds(110,140,250,40);
l2.setBounds(110,210,250,40);
b1.setBounds(285,145,50,30);
b2.setBounds(285,210,50,30);
l3.setBounds(75,40,420,40);
l1.setFont(new Font("convecta", Font.BOLD,16));
l1.setForeground(Color.black);
l2.setFont(new Font("convecta", Font.BOLD,16));
l2.setForeground(Color.black);
b1.setFont(new Font("convecta", Font.BOLD,12));
b2.setFont(new Font("convecta", Font.BOLD,12));
l3.setFont(new Font("convecta", Font.BOLD,16));
l3.setForeground(Color.black);
b1.setForeground(Color.black);
b2.setForeground(Color.black);
this.setBackground(Color.gray);
c.add(l1);c.add(l2);c.add(b1);
c.add(b2);c.add("CENTER",l3);
if(border_type.equals("Line"))
{
c.add(p1);
c.add(p);
p1.setBorder(border);
p.setBorder(border);
repaint();
```

```
repaint();
}
b1.addActionListener(this);
b2.addActionListener(this);
setVisible(true);
}
public void actionPerformed(ActionEvent e)
{
Object o=e.getSource();
if(o==b1)
{
rouser l=new rouser();
setVisible(false);
}
else
{
nuser u = new nuser();
setVisible(false);
}
}
}
import javax.swing.*;
import javax.swing.event.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import javax.swing.border.*;
```

```

import java.util.*;
public class details extends JFrame implements ActionListener
{
JLabel nl,np,sti,stp,eti,etp,desl,desp,detl,prel,prep;
JTextArea ta;
JButton close,feed,submit,postp,dchange,atten;
String msg,oname,pref;
int idn,d,m,y,descnum;
String s3=null;
JLabel p1,p2,pp1,pp2,p3,p4,dl,ml,y1;
JComboBox pd,pm,py,psh1,psm1,psh2,psm2;
JPanel panell;
String border_type="Line";
AbstractBorder border=new LineBorder(Color.black,1);
String[] hours={ "01","02","03","04","05","06",
"07","08","09","10","11","12",
"13","14","15","16","17","18",
"19","20","21","22","23"};
String[] minits={"0", "05","10","15","20",
"25","30","35","40",
"45","50","55"};
String
year[]={ "2000","2001","2002","2003","2004","2005","2006","2007","2008","2
009","2010","2011","
2012","2013","2014","2015"};
String
month[]={ "01","02","03","04","05","06","07","08","09","10","11","12"};
String

```

```
date[]={ "01","02","03","04","05","06","07","08","09","10","11","12","13","14"
,"15","16","17","18","1
9","20","21","22","23","24","25","26","27","28","29","30","31"};

int ch=0;

Time sti,eti;

public details()
{
setTitle("Details");
setSize(415,420);

Container c=getContentPane();
c.setLayout(null);
move(200,85);

nl =new JLabel("NAME:");
nl.setForeground(Color.black);

np =new JLabel();
np.setForeground(Color.black);

stl =new JLabel("StartTime:");
stl.setForeground(Color.black);

stp =new JLabel();
stp.setForeground(Color.black);

etl =new JLabel("EndTime:");
etl.setForeground(Color.black);

etp =new JLabel();
etp.setForeground(Color.black);

desl =new JLabel("DESCRIPTION:");
desl.setForeground(Color.black);

desp =new JLabel();
desp.setForeground(Color.black);
```

```
detl =new JLabel("DETAILS:");
detl.setForeground(Color.black);
ta =new JTextArea(30,30);
ta.setEditable(false);
close =new JButton("Close");
feed =new JButton("FeedBack");
submit =new JButton("Submit");
postp =new JButton("PostPone");
dchange=new JButton("ChangeDetails");
atten=new JButton("Attended");
prel =new JLabel("PREFERENCE:");
prel.setForeground(Color.black);
prep =new JLabel();
prep.setForeground(Color.black);
p1=new JLabel("Hr");
p1.setForeground(Color.black);
p2=new JLabel("Mn");
p2.setForeground(Color.black);
pp1=new JLabel("Hr");
pp1.setForeground(Color.black);
pp2=new JLabel("Mn");
pp2.setForeground(Color.black);
dl=new JLabel("DD");
ml=new JLabel("MM");
yl=new JLabel("YY");
dl.setForeground(Color.black);
ml.setForeground(Color.black);
```



```
yl.setForeground(Color.black);
p3=new JLabel("Changed Date:");
p3.setForeground(Color.black);
pd=new JComboBox(date);
pm=new JComboBox(month);
py=new JComboBox(year);
psh1=new JComboBox(hours);
psm1=new JComboBox(minits);
psh2=new JComboBox(hours);
psm2=new JComboBox(minits);
p3.setBounds(30,50,100,20);
dl.setBounds(125,30,30,20);
pd.setBounds(120,50,50,20);
ml.setBounds(185,30,30,20);
pm.setBounds(172,50,50,20);
yl.setBounds(245,30,30,20);
py.setBounds(222,50,60,20);
p1.setBounds(125,70,30,20);
psh1.setBounds(120,90,50,20);
p2.setBounds(180,70,30,20);
psm1.setBounds(170,90,50,20);
pp1.setBounds(305,70,30,20);
psh2.setBounds(300,90,50,20);
pp2.setBounds(365,70,30,20);
psm2.setBounds(350,90,50,20);
nl.setBounds(30,10,80,20);
np.setBounds(120,10,100,20);
```

```
stl.setBounds(30,90,100,20);
stp.setBounds(90,90,100,20);
etl.setBounds(240,90,100,20);
etp.setBounds(295,90,100,20);
desl.setBounds(30,110,130,20);
desp.setBounds(180,110,130,20);
detl.setBounds(30,170,120,20);
prel.setBounds(30,140,120,20);
prep.setBounds(180,140,120,20);
ta.setBounds(110,170,260,60);
feed.setBounds(120,250,100,20);
submit.setBounds(245,322,80,20);
postp.setBounds(230,250,120,20);
dchange.setBounds(230,273,120,20);
atten.setBounds(230,297,120,20);
close.setBounds(200,345,70,20);
c.add(nl);c.add(np);c.add(stl);
c.add(stp);c.add(etl);c.add(etp);
c.add(desl);c.add(desp);c.add(prel);
c.add(prepare);c.add(detl);
c.add(pp1);c.add(pp2);c.add(ta);c.add(dl);
c.add(ml);c.add(yl);c.add(close);
c.add(feed);c.add(submit);c.add(postp);
c.add(p1);c.add(p2);c.add(p3);
c.add(pd);c.add(pm);c.add(py);
c.add(psh1);c.add(psm1);c.add(psh2);
c.add(psm2);c.add(dchange);
```

```
c.add(atten);//c.add(ta);
postp.setVisible(false);
atten.setVisible(false);
dchange.setVisible(false);
p3.setVisible(false);
pd.setVisible(false);
pm.setVisible(false);
py.setVisible(false);
psh1.setVisible(false);
psm1.setVisible(false);
psh2.setVisible(false);
psm2.setVisible(false);
submit.setVisible(false);
p1.setVisible(false);
p2.setVisible(false);
pp1.setVisible(false);
pp2.setVisible(false);
dl.setVisible(false);
ml.setVisible(false);
yl.setVisible(false);
close.addActionListener(this);
feed.addActionListener(this);
submit.addActionListener(this);
dchange.addActionListener(this);
postp.addActionListener(this);
atten.addActionListener(this);
panell=new JPanel();
```

```
panell.setBounds(110,240,260,117);
panell.setBackground(Color.gray);
if(border_type.equals("Line"))
{
c.add(panell);
panell.setBorder(border);
repaint();
}
setVisible(true);
}

public void senddetails(String msg1,String oname1,int id,int date,int month,int
year)
{
msg=msg1;
oname=oname1;
idn=id;
d=date;m=month;
y=year;
System.out.println("msg="+msg);
}

public void process()
{
String detail=null;
String s1=msg.substring(0,2);
int t1=Integer.parseInt(s1);
String s11=msg.substring(3,5);
int t11=Integer.parseInt(s11);
Time st1=new Time(t1,t11,00);
```

```

String s2=msg.substring(10,12);
int t2=Integer.parseInt(s2);
String s21=msg.substring(13,15);
int t21=Integer.parseInt(s21);
Time et1=new Time(t2,t21,00);
s3=msg.substring(19,msg.length());
ResultSet rs;

try
{
Class cfn=Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:pro");
Statement st=con.createStatement();
rs=st.executeQuery("select details,preference,descno from schedule2 where
idno="+idn+" and dd="+d+" and mm="+m+" and yy="+y+" and
desc='"+s3+"'");
while(rs.next())
{
descnum=rs.getInt("descno");
pref=rs.getString("preference");
detail=rs.getString("details");
}
con.close();
}
catch(Exception ec)
{
System.out.println(""+ec);
}
np.setText(oname);

```

```
stp.setText(""+st1);
etp.setText(""+et1);
prep.setText(""+pref);
desp.setText(""+s3);
ta.setText(detail);
}
public void actionPerformed(ActionEvent ae)
{
if(ae.getSource()==close)
{
this.setVisible(false);
}
else
if(ae.getSource()==feed)
{
postp.setVisible(true);
dchange.setVisible(true);
submit.setVisible(true);
atten.setVisible(true);
}
else
if(ae.getSource()==postp)
{
p3.setVisible(true);
pd.setVisible(true);
pm.setVisible(true);
py.setVisible(true);
```

```
psh1.setVisible(true);
psm1.setVisible(true);
psh2.setVisible(true);
psm2.setVisible(true);
p1.setVisible(true);
p2.setVisible(true);
pp1.setVisible(true);
pp2.setVisible(true);
dl.setVisible(true);
ml.setVisible(true);
yl.setVisible(true);
stp.setVisible(false);
etp.setVisible(false);
ch=1;
}
else
if(ae.getSource()==atten)
{
ch=3;
}
else
if(ae.getSource()==dchange)
{
ta.setEditable(true);
ch=2;
}
else
```

```

if(ae.getSource()==submit)
{
int d1 =Integer.parseInt((String)pd.getSelectedItemAt());
int m1 =Integer.parseInt((String)pm.getSelectedItemAt());
int y1 =Integer.parseInt((String)py.getSelectedItemAt());
int sh=Integer.parseInt((String)psh1.getSelectedItemAt());
int sm=Integer.parseInt((String)psm1.getSelectedItemAt());
Time sti=new Time(sh,sm,00);
String st="" +sh+":"+sm+"";
int eh=Integer.parseInt((String)psh2.getSelectedItemAt());
int em=Integer.parseInt((String)psm2.getSelectedItemAt());
Time eti=new Time(eh,em,00);
String et="" +eh+":"+em+"";
String post="PostPone";
String po="Yet To Attend";
String fb="Attended";
Vector vm=new Vector(10,10);
int uid[];
int r;
try
{
Class cfn=Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:pro");
Statement sta=con.createStatement();
ResultSet rs=sta.executeQuery("select idno from schedule2 where dd="+d+"
and
mm="+m+" and yy="+y+" and desc="" +s3+"" ");
while(rs.next())

```



```

{
int id=rs.getInt("idno");
vm.addElement(""+id);
}
Enumeration enum=vm.elements();
uid=new int[vm.size()];
int p=0;
while(enum.hasMoreElements())
{
int ll=Integer.parseInt((String)enum.nextElement());
uid[p]=ll;
p++;
}
for(int i=0;i<uid.length;i++)
{
if(ch==2)
{
r=sta.executeUpdate("update schedule2 set details='"+ta.getText()+" where
idno="+uid[i]+" and dd="+d+" and mm="+m+" and yy="+y+" and
desc='"+s3+" ");
}
else //idn
if(ch==3)
{
r=sta.executeUpdate("update schedule2 set fback='"+fb+" where
idno="+uid[i]+" and dd="+d+" and mm="+m+" and yy="+y+" and
desc='"+s3+"");
}
}

```

```

else
if(ch==1)
{
r=sta.executeUpdate("update schedule2 set fback='"+post+"' where
idno="+uid[i]+" and dd="+d+" and mm="+m+" and yy="+y+" and
desc='"+s3+"'");
int count=sta.executeUpdate("insert into schedule2
values("+uid[i]+","+d1+","+m1+","+y1+", '"+sti+"', '"+eti+"', '"+pref+"', "+descnu
m+", '"+s3+"', '"+po+"', '
"+ta.getText()+"")");
}
}
Mcheck mck=new Mcheck(this,"Ok Submitted");
mck.setVisible(false);
con.close();
}
catch(Exception ec)
{
System.out.println(""+ec);
}
}
}
/* public void method()
{
boolean check1=false;
Time stim,etim;
try
{

```

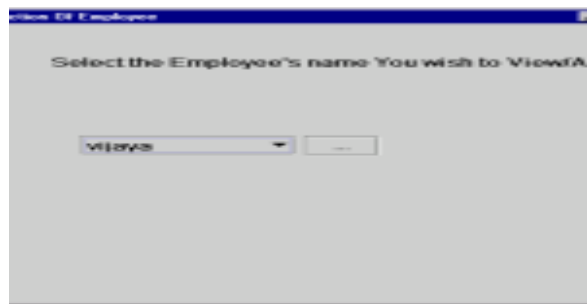
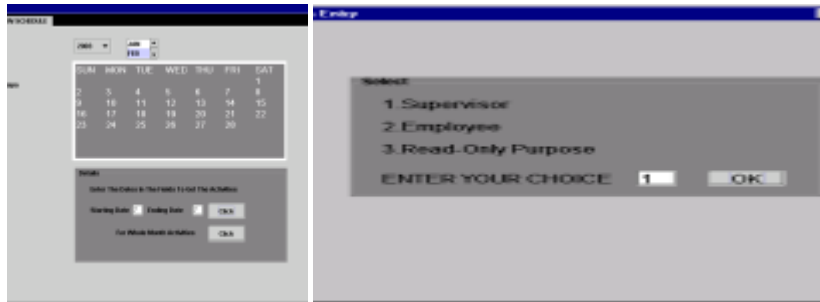
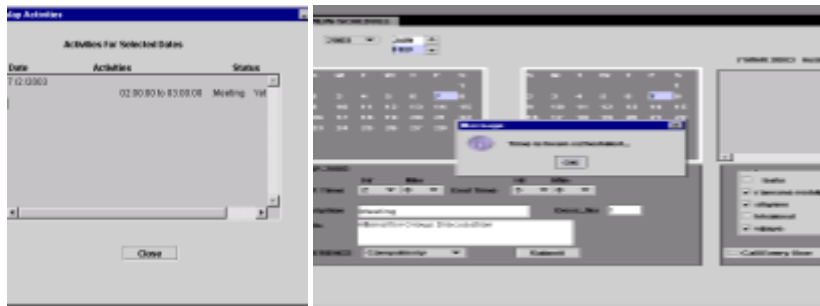
```

Class cfn1=Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con1=DriverManager.getConnection("Jdbc:Odbc:pro");
Statement st2=con1.createStatement( );
ResultSet rs=st2.executeQuery("select stime,etime from schedule2 where
idno="+idn+" and dd="+d+" ");
while(rs.next())
{
stim=rs.getTime("stime");
etim=rs.getTime("etime");
int i=stim.compareTo(sti);
int j=sti.compareTo(etim);
int a=stim.compareTo(eti);
int b=eti.compareTo(etim);
if( (i==0)&&(b==0) )
{
check1=true;
}
if( ((i==-1) && (j==-1))||((a==-1)&&(b==0)) )
{
check1=true;
}
}
con1.close();
}
catch(Exception ec)
{
System.out.println(""+ec);
}

```

```
}  
if(check1)  
{  
Mcheck mt=new Mcheck(this,"This time allready scheduled");  
mt.setVisible(false);  
}  
else  
{  
value=1;  
}  
}*/  
/*public static void main(String s55[])  
{  
new details();  
}*/  
}
```

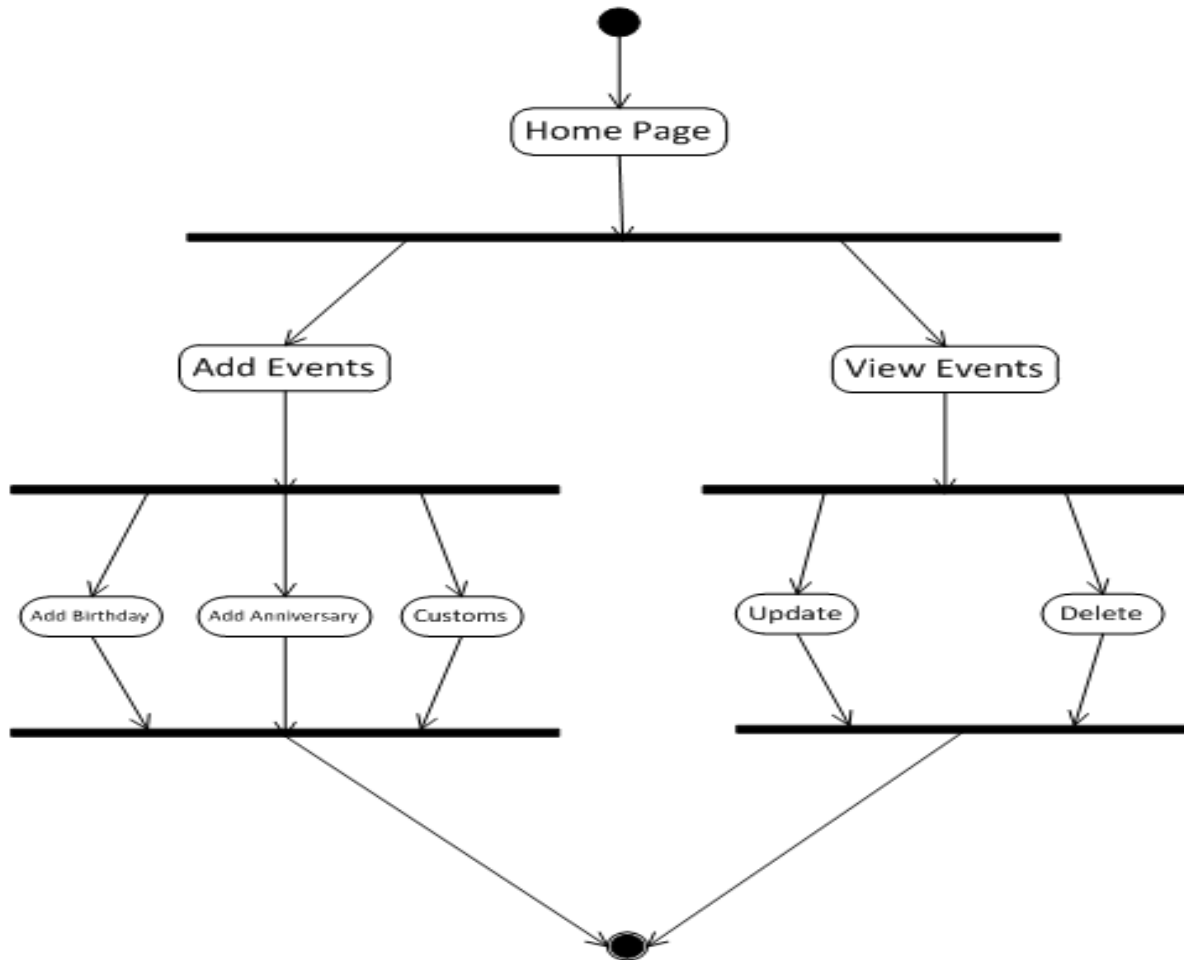
Output/Result/Screenshot



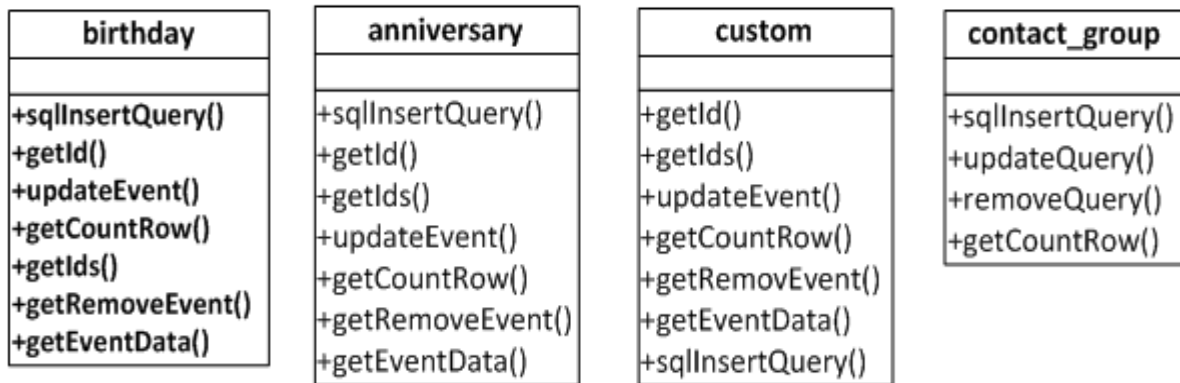
IMPLEMENTATION OR ARCHITECTURE DIAGRAM

UML Diagrams:

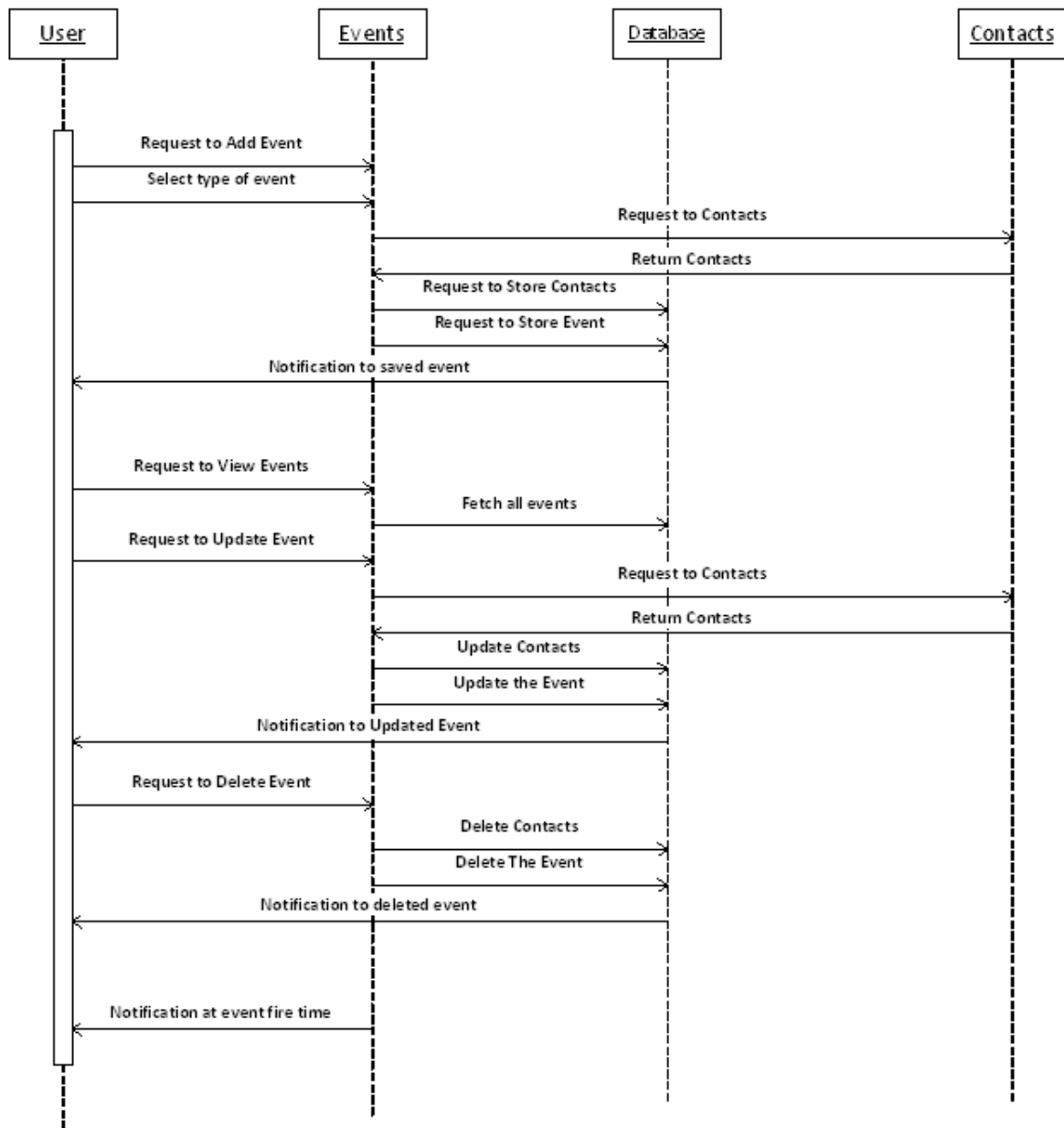
Activity Diagram:



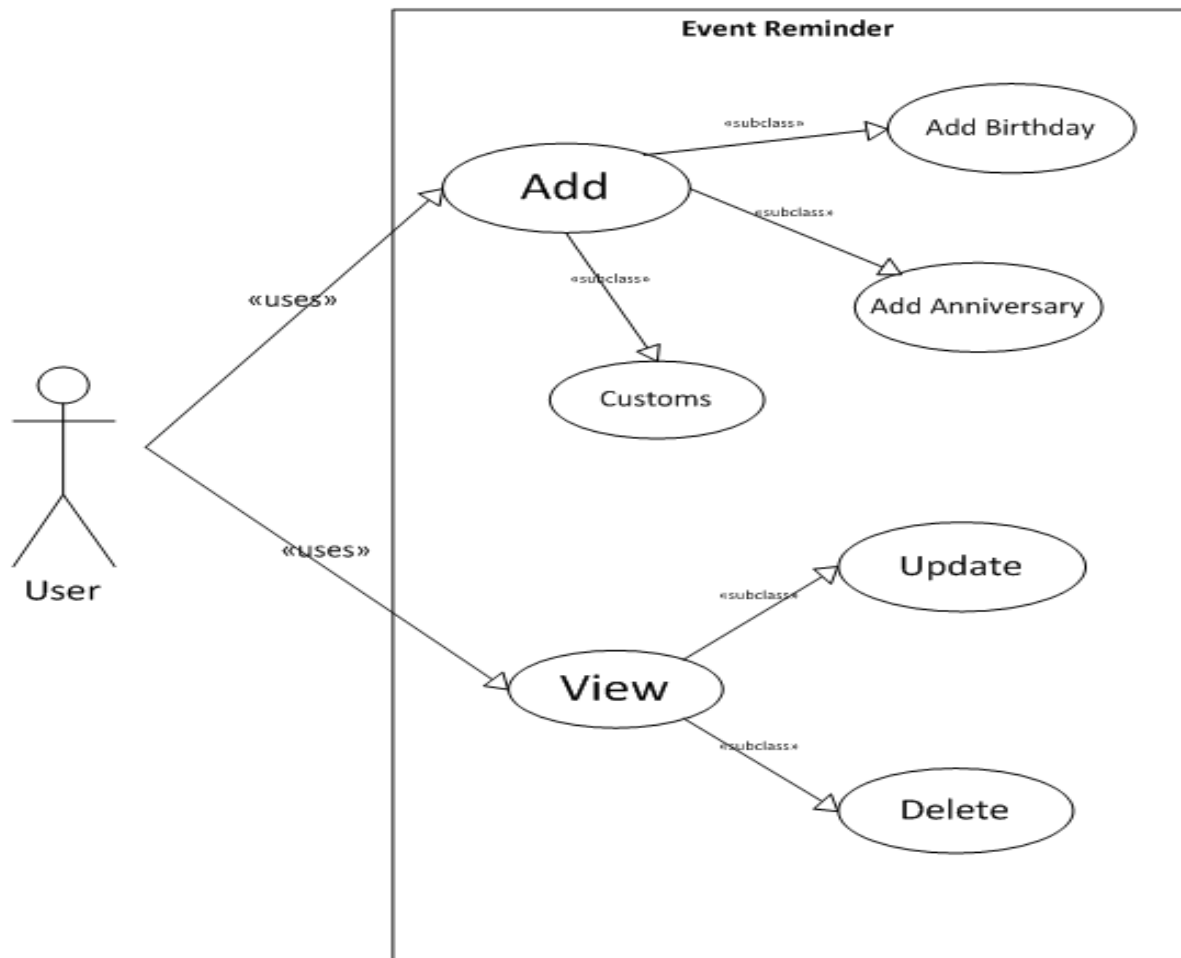
Class Diagram:



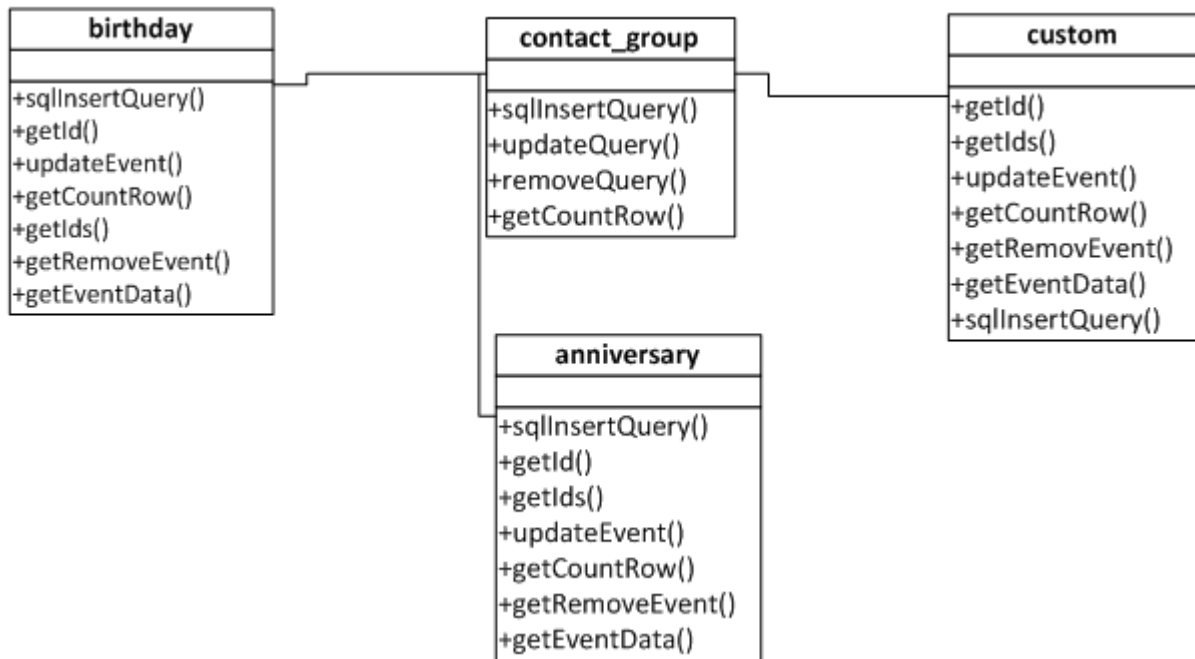
Sequence Diagram:



Usecase Diagram:



Structure of classes used:



Conclusion/Future Enhancement:-

Conclusion is that process management is important because it makes to efficient flow of work and to increase its flexibility to changes in the environment.

It can also make analysis by taking business parameters as their input field. It can also able to send files and messages to team members to particular team in batch processing mode or in real time environment.

Future Enhancement:

Facebook updation :

- Here in this application user can send multiple messages and send mail to a particular person.
- While in future user can write in the wall of person's account.

Multiple Mail sending:

- Here in this application is able to send a mail to only one person whose birthday or another event.
- While the user can send mail to multiple people at a time.

References

<https://projectsgeek.com/2014/07/work-process-management-system-project.html>

<https://1000projects.org/work-process-management-project-report.html>

<https://projectabstracts.com/11516/workflow-management-system-in-java-environment.html>

<https://1000projects.org/event-reminder-android-app-project.html>