**Certificate**

This is to certify that this project entitled **“Faculty Management System”** submitted in partial fulfillment of the degree **of Bachelor of Computer Applications** top the Chaudhary Charan Singh University, Meerut, through **Shri Ram College, Muzaffarnagar,** done by **Mr. Huzaifa Siddiqui (168559626)** and **Ms. Surbhi Ahuja (168559728)** authentic work carried out by them under my guidance. The matter embodied in this project work has not been submitted earlier for award of any degree of diploma to the best of my knowledge and belief.

**(Nishant Rathi)** **(Pramod Sharma)**

HOD Supervisor

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**Acknowledgement**

The feelings of acknowledge and expressing it in words are two things apart. It is weakness, but we honestly admit when we truly wish to express our warm gratitude and indebtedness towards somebody, we are always at loss of words.

The project “**Faculty Management System**” could not have completed without support extends to us by **Dr. Pramod Sharma**. This project is the result of idea and suggestions to me byhim. He guided us in preparation of the project and every time when we reached with difficulties, he welcomed us which helped us to successfully complete the project.

We express our heartfelt gratitude with great pleasure and a sense of obligation to **Dr. Pramod Sharma**, our project in charge for his timely support and supervision

We would also like to thank **Dr. Nishant Rathi**, our Head of department. He was always there with his support and those wonderful insights whenever eagerly needed.

However, we can never adequate thank all those who have their assistance, guidance, cooperation, criticism and contributed to the improvement of this project. We are ebullient in expressing our intense in debtless heartiest gratitude to all of them.

Since performance feedback is essential for effective communication, mistakes and creative feedback of the report may be unhesitatingly communicated to me, who will be as far as possible duly acknowledged and most welcome.

In this project, whatever is beneficial comes from almighty, and whatever is faulty is ours.

And finally a word of gratitude to our family and friends who were always there with their support and encouragement.

**Submitted By:**

**Date**

**Huzaifa Siddiqui**

(168559626)

**Surbhi Ahuja**

(168559728)

**Declaration**

We declare that this project entitled “**Faculty Management System”** done at **Shri Ram College, Muzaffarnagar** is a record of project work submitted by us for the partial fulfillment of the requirements for the award of the degree **“Bachelor in Computer Applications (BCA)” 2018** under the supervision and guidance of **Dr. Pramod Sharma**.

The project is genuine and not a reproduction of any project previously done or submitted.

**Huzaifa Siddiqui**

(168559626)

**Surbhi Ahuja**

(168559728)

**Introduction**

The **faculty management system** has been developed to override the problems prevailing in the practice manual system moreover; this system is designed for the particular need of the college to carry out operation in a smooth and effective manner.

The project **faculty management system** is an improved system that can handle the information about faculty which includes the personal details of faculties such as Name, Address, Phone no, Basic Salary, Department etc.

Every college, whether big or small, has challenges to overcome and managing the information of students, faculty, lectures and session. Every faculty management system has different faculty needs; therefore we design exclusive faculty management system that is adapted to your faculty related requirements.

The objective of this system development is to develop and implement the system cost effectively. It most suited to your analysis which is the heart of the process. Analysis is the study of the various operations performed by the system like as Add new faculty, Modify faculty details, Views and Search the faculty details or maintain relationship within through the system.

This system objectives of easily and maintain information and it will ultimately allow you to better manage resources. It provides the computerized work. It also provide the security of data which is absent in manual system.

**Main Objectives of this Project**

Functionalities provided by Faculty Management System are as follows:

* Provides the searching faculties based on various factors, such as Id, Name, Salary and Department.
* Manage the information of Faculties.
* Tracks all the information of Faculties.
* Increase efficiency of managing the Faculty, Salary.
* Deals with monitoring the information and transactions of Lectures.
* Editing, adding and updating of Records is improved which results in proper resource management of Faculty data.
* Manage the information of Lectures.
* Integration of all records of Session.
* Reduce the man power.
* Maintain the data with complete consistency and minimum redundancy.

**Limitations of Manual System**

In manual system, there are many limitations which are as follows:

* Lack of security of data.
* More man power.
* Time consuming.
* Consume large work of pare.
* Needs manual calculations.
* No direct role for the higher officials.
* More chances of errors.
* Paper work.

**Advantages of Proposed System**

The advantages of proposed system (Faculty Management System) are as follows:

* Security of data.
* Ensure data’s accuracy.
* Proper control of higher officials.
* Minimize manual data entry.
* Minimum time needed for the various processing.
* Greater efficiency.
* Easy to maintain.
* Better service.
* User friendliness and interactive.

**Tools and Environment**

* Hardware Requirements

|  |  |
| --- | --- |
| Processor | Intel® Pentium® CPU G2020 @ 3.00GHz |
| RAM | 512 MB |
| Hard Disk | 2.1 GB |
| System Type | 32 Bit |
| Keyboard | 104 Keys |
| Monitor | 15” Color Monitor |
| Mouse | True Mouse |

* Software Requirements

|  |  |
| --- | --- |
| Programming Language | JAVA |
| Back End (Database) | MS-Access |
| Front End | JAVA (Swing) |
| Operating System | Microsoft Windows 7 |

**Front End**

**JAVA** has been developed by **Sun Microsystems** (now owned by **Oracle Corporation**). Java can use a large number of reference libraries and components. JAVA “the environment” provides integration with a variety of other tools, including source code management, component reuse tools and data manipulation. JAVA truly is much more of a “programming environment” than just a language. Using this environment, a single developer can quickly create a simple application; a team of developers can create a so sophisticated, distributed application.

**JAVA Swing**

**Java Swing** is a part of **Oracle’s Java Foundation Classes (JFC)**. It is used to create window-based applications. It is an API (Application Program Interface) for providing a graphical user interface (GUI). It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in JAVA.

Java Swing provides platform independent and lightweight components. It supports pluggable look and feel. It follows MVC (Model View Controller).

**Back End**

A **database** is an organized collection of data, generally stored and accessed electronically from a computer system. It is a collection of information which is related to a particular subjects or purpose, such as maintaining a music collection, tracking the employee’s details. Database are more complex they are often developed using formal design and modeling techniques.

The **Database Management System (DBMS)** is the software that interacts with end users, applications and the database itself to capture and analyze the data. Often the term “database” is also used to loosely refer to any of the DBMS, the database system or an application associated with the database.

**Microsoft Access**

**Microsoft Access** is a database management system from **Microsoft** that combines the relational **Microsoft Jet Database Engine** with a graphical user interface (GUI) and software development tools. It is a member of the **Microsoft Office** suite of applications, included in the Professional and higher editions or sold separately.

By using MS Access you can manage all your information from a single database file. Within the file, you can use:

* Tables to store your data.
* Queries to find and retrieve just the data you want.
* Forms to View, Add and Update data in tables.
* Reports to analyze or print data in a specific layout.

**Modules Description**

**Module Name -** **Faculty**

**Description -** This module is for adding, editing and searching the record of faculty.

**Processes-** **1) Add Faculty**

By this process, we can add the record of new faculty.

**2) Edit Faculty**

By this process, we can edit the record of the particular faculty.

**3) Search Faculty**

By this process, we can view all record of the particular faculty.

**Module Name -** **Salary**

**Description -** This module is for adding, editing and searching the allowance record and leave deduction record of a faculty.

**Processes-** **1) Add Allowance**

By this process, we can add allowance on basic salary of the particular faculty.

**2) Edit Allowance**

By this process, we can edit the allowance record of the added faculty.

**3) Add Leave**

By this process, we can add leave deduction on basic salary of the particular faculty.

**4) Edit Leave**

By this process, we can edit the leave deduction record of the added faculty.

**5) Total Salary**

By this process, we can view the total salary of the particular faculty.

**Module Name -** **Report**

**Description -** This module provides the facility of displaying the list of all the faculties.

**Software Requirement Specification**

The software requirement specification is produced at the culmination of the analysis task. The function and performance allocated to software as a part of system engineering are refined by establishing a complete information description, a detailed functional and behavioral description, an indication of performance requirements and design constraints, appropriate validation criteria and other data pertinent to requirements.

The proposed system has the following requirements:

* System needs store information about new entry of faculty.
* System needs to help the internal staff to keep information of faculty and find them as per various queries.
* System need to maintain Salary record.
* System need to update and delete the record.
* System need to view all records at a click.
* It also needs a security system to prevent data.

**Data Flow Diagram (DFD)**

A **data flow diagram (DFD)** is a graphical representation of the “**flow**” of data through an **information system**, modeling its process aspects. It is a graphical tool used to describe and analyze the movement of data through a system (manual or automated) including the processes, stores of data and delays in the system. They are central tools and the basis from which other components are developed. It depicts the transformation of data, independent of the physical components, from input to output through logical processes and the interaction between processes.

DFD’s are an excellent mechanism of communicating with the customers and are widely used for representing external and top-level internal design specification. In the later situations, DFD’s are quite valuable for establishing naming conventions and names of system components such as subsystems, files and data links.

In a DFD there are four components:

* **Sources** or **Destinations** of data such as human, entities that interact with system, outside the system boundary which are in **closed rectangle**.
* **Data flow** is a packet of data. It identifies data flow. It is a pipeline through which information flows. It is depicted in DFD as an **arrow** with the **pointer** pointing in the **direction** **of flow**. This connecting symbol connects an entity, process and data stores. This arrow mark also specifies the sender and the receiver.
* **Process** depicts procedure, function or module that transforms input data into output data. It is represented as a **circle** or a **bubble** with the **procedure** **name** and a **unique** **number** inside the circle.
* Data stores are the physical areas in the computer’s hard disk where groups of related data are stored in the form of files. They are depicted as an **open-ended rectangle**. The Data store is used either for storing data into the files or for reference purposes.

**DFD Level-0**

**User**

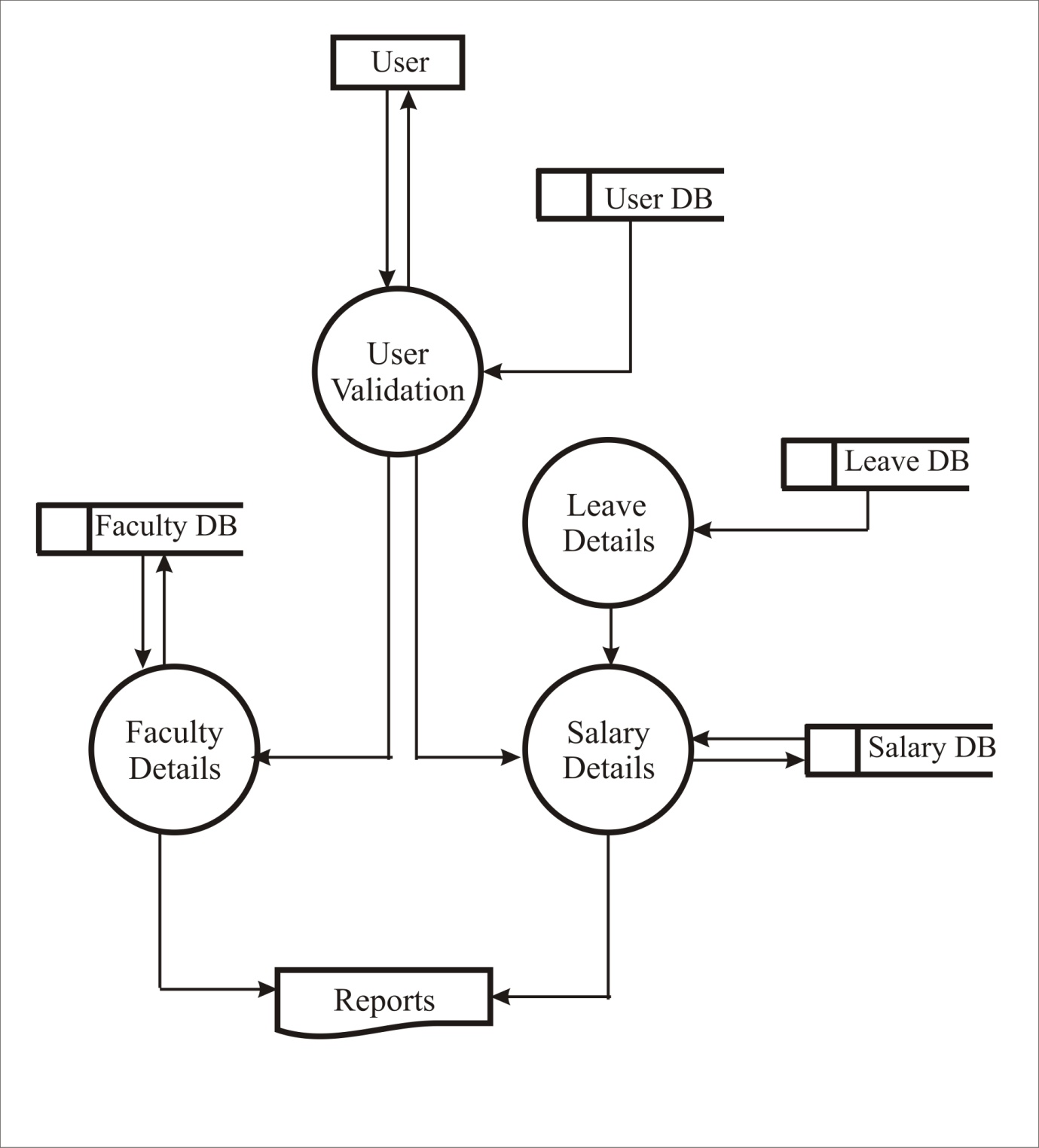
**Database**

**User**

**Validation**

**Reports**

**DFD Level-1**

****

**Entity Relationship Diagram**

An **entity-relationship model** (**ER Model** for short) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between instances of those types.

The entity-relationship (E-R) data model is based on a perception of a real world that consists of a collection of basic objects, called entities, and of relationships among these objects. An entity is a thing or objects in the real world that is distinguishable from other objects. Entities are described in database by a set of attributes.

A relationship is an association among several entities. The set of all entities of the same type and the set of all relationships of the same type are termed as entity set and relationship set, respectively.

The overall logical structure (schema) of a database can be expressed graphically by an E-R Diagram, which is built up from the following components:

* **Rectangles**, which represents **entity sets**.
* **Ellipses**, which represents **attributes**.
* **Diamonds**, which represents **relationships** among **entity sets**.
* **Lines**, which link **attributes** to **entity sets** and **entity sets** to **relationships**.

Absent\_Am

Casual

Absent

ID

contains

Logged

Salary

Qualification

Phone\_No

Joining\_Date

Address

Last

First

Name

Password

Username

**FacultyDetails**

**DATABASE**

**Login**

Casual\_Am

Sickness

**LEAVE\_Deduction**

Sickness\_Am

Total\_Am

ID

has

HRA\_per

HRA

DRA\_per

**SALARY**

DRA

Total\_Allow

TA\_per

has

TA

Designation

Email\_ID

ID

Gender

Date\_of\_Birth

Age

**Database Design**

All the tables, sequences, triggers are stored in database for storing the information about entrance test made by the users.

Following are the tables:

**Login Table:**

|  |  |
| --- | --- |
| **Field Name** | **Data Type** |
| Username | Text |
| Password | Text |

**FacultyDetails Table:**

|  |  |
| --- | --- |
| **Field Name** | **Data Type** |
| ID | Number |
| First\_Name | Text |
| Last\_Name | Text |
| Gender | Text |
| Date\_of\_Birth | Date/Time |
| Address | Text |
| Joining\_Date | Date/Time |
| Phone\_No | Number |
| Qualification | Text |
| Salary | Number |
| Department | Text |
| Email\_ID | Text |
| Designation | Text |
| Marital\_Status | Text |

**Salary Table:**

|  |  |
| --- | --- |
| **Field Name** | **Data Type** |
| ID | Number |
| HRA\_per | Number |
| DRA\_per | Number |
| TA\_per | Number |
| HRA | Number |
| DRA | Number |
| TA | Number |
| Total\_Allow | Number |

**Leave Table:**

|  |  |
| --- | --- |
| **Field Name** | **Data Type** |
| ID | Number |
| Absent | Number |
| Casual | Number |
| Sickness | Number |
| Absent\_Am | Number |
| Casual\_Am | Number |
| Sickness\_Am | Number |
| Total\_Am | Number |

**INTERFACE**

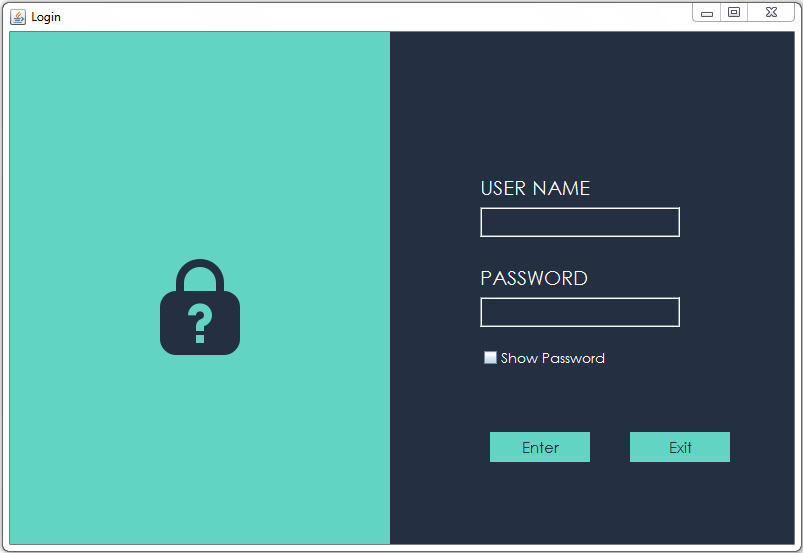
**Welcome Form**

****

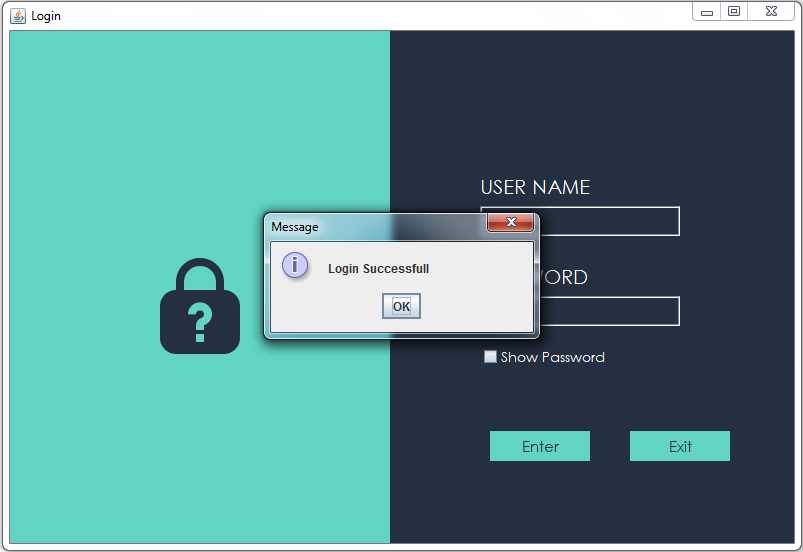
**Welcome Form on Click**

****

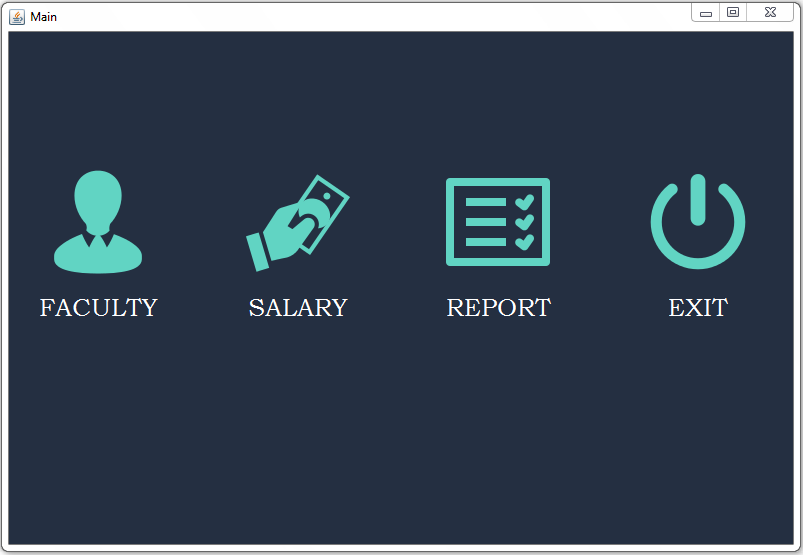
**Login Form**

****

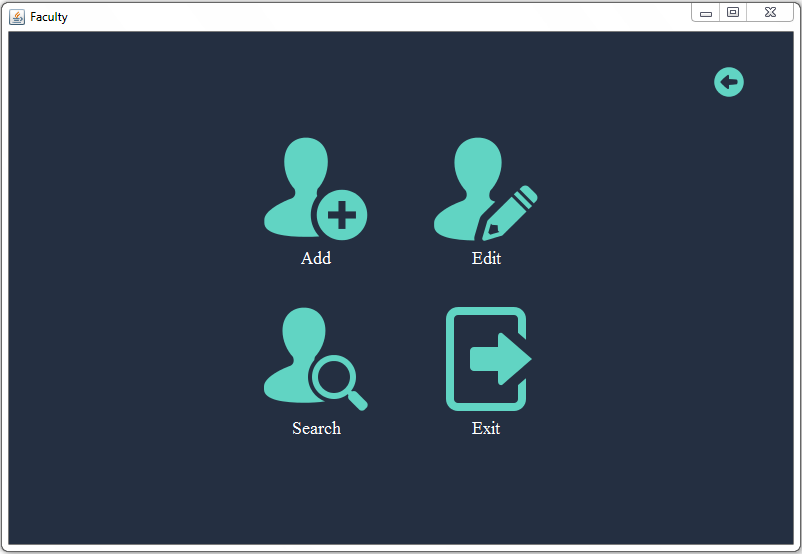
**Successful Login**

****

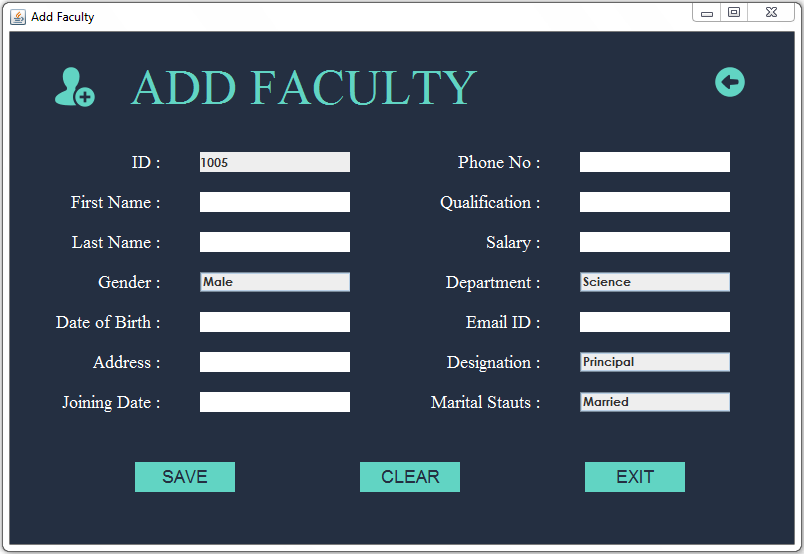
**Main Form**

****

**Faculty Form**

****

**Add Faculty**

****

**Edit Faculty**

****

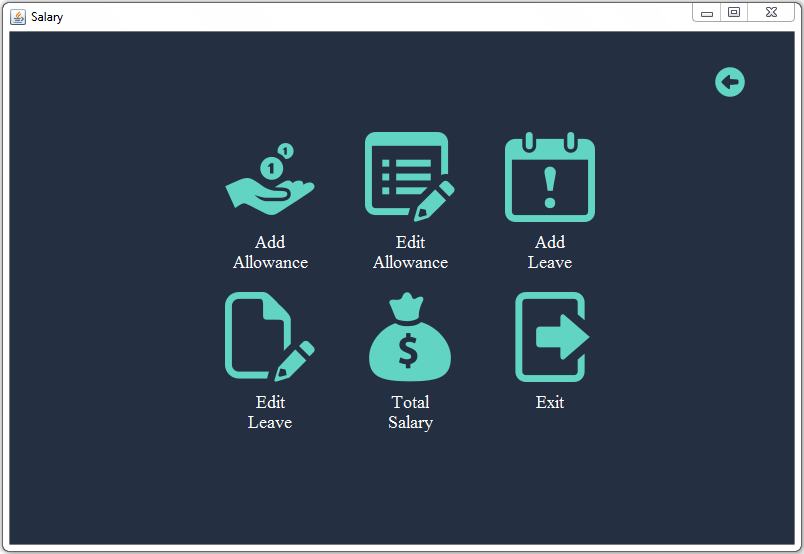
**Search Faculty**

****

**Search Faculty**

****

**Salary Form**

****

**Add Allowance**

****

**Edit Allowance**

****

**Add Leave**

****

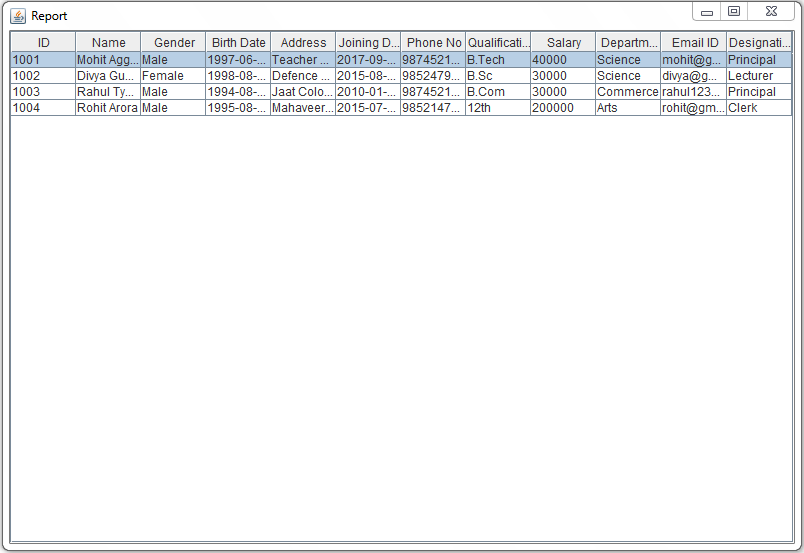
**Edit Leave**

****

**Total Salary**

****

**Report**

****

**CODING**

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

import java.sql.\*;

import javax.swing.table.\*;

import java.io.\*;

**//Welcome Form………………………………………………**

class Welcome implements ActionListener

{

public JFrame frm;

JLabel l1, l2, l3, l4, l5, l6;

ImageIcon img;

JProgressBar j;

JPanel jp, jp1, jp2;

public Color clr, clr1;

Font f,f1,f2,f3,f4;

JButton btnc;

public Welcome()

{

clr1=new Color(36,47,65);

clr=new Color(97,212,195);

f=new Font("Century Gothic", Font.BOLD, 56);

f1=new Font("Times New Roman",Font.PLAIN, 30);

f2=new Font("Times New Roman",Font.PLAIN, 34);

f3=new Font("Century Gothic",Font.PLAIN, 15);

f4=new Font("Calibri",Font.PLAIN,13);

img=new ImageIcon("e:\\Faculty Management\\Icons\\icon1.png");

frm=new JFrame("Welcome");

frm.setDefaultCloseOperation(frm.EXIT\_ON\_CLOSE);

frm.setSize(800,550);

frm.getContentPane().setBackground(clr);

frm.setLayout(null);

frm.setLocationRelativeTo(null);

frm.setVisible(true);

l1=new JLabel("Faculty Management");

l1.setFont(f);

l1.setForeground(Color.WHITE);

jp=new JPanel();

jp.setBounds(0,50,800,120);

jp.setBackground(clr1);

jp.setLayout(new GridBagLayout());

jp.add(l1);

frm.add(jp);

l2=new JLabel("Developed By:");

l2.setFont(f1);

l2.setForeground(clr1);

l2.setBounds(400,200,210,40);

frm.add(l2);

l3=new JLabel("Huzaifa & Surbhi");

l3.setFont(f2);

l3.setBounds(450,250,250,40);

l3.setForeground(Color.WHITE);

frm.add(l3);

btnc=new JButton("Continue");

btnc.setBounds(600,350,100,30);

btnc.setBackground(clr1);

btnc.setForeground(Color.WHITE);

btnc.setBorder(null);

btnc.setFont(f3);

frm.add(btnc);

btnc.addActionListener(this);

jp1=new JPanel();

jp1.setBounds(100,250,150,150);

jp1.setBackground(clr1);

jp1.setLayout(new GridBagLayout());

l4=new JLabel(img);

jp1.add(l4);

frm.add(jp1);

j=new JProgressBar();

j.setValue(0);

j.setBounds(0,480,800,10);

j.setBackground(Color.WHITE);

j.setForeground(clr1);

j.setBorder(null);

j.setVisible(false);

frm.add(j);

l6=new JLabel("All rights are reserved by HS Group");

l6.setFont(f4);

l6.setForeground(clr1);

l6.setBounds(580,490,800,13);

frm.add(l6);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==btnc)

{

int i=0;

j.setVisible(true);

try

{

while(i<=100)

{

Thread.sleep(20);

j.paintImmediately(0,0,800,10);

j.setValue(i);

i++;

}

}

catch(Exception obj)

{}

frm.getContentPane().removeAll();

frm.repaint();

**//Login Form………………………………………………**

class Login implements ActionListener

{

JLabel user, pass, licon, licon1;

JTextField tuser;

JPasswordField tpass;

JButton ok, exit;

ImageIcon icon1;

Font f, f1, f2, f3;

JPanel j1;

JCheckBox chkshow;

public Login()

{

frm.setTitle("Login");

f=new Font("Century Gothic", Font.PLAIN, 20);

f1=new Font("Century Gothic",Font.PLAIN, 14);

f2=new Font("Lucida Sans Typewriter", Font.PLAIN, 14);

f3=new Font("Century Gothic",Font.PLAIN, 15);

icon1=new ImageIcon("e:\\Faculty Management\\Icons\\Icon2.png");

frm.getContentPane().setBackground(clr1);

j1=new JPanel();

j1.setBounds(0,0,380,550);

j1.setBackground(clr);

j1.setLayout(new GridBagLayout());

licon1=new JLabel(icon1);

j1.add(licon1);

frm.add(j1);

user=new JLabel("USER NAME");

user.setBounds(470,130,150,50);

user.setFont(f);

user.setForeground(Color.WHITE);

frm.add(user);

pass=new JLabel("PASSWORD");

pass.setBounds(470,220,150,50);

pass.setFont(f);

pass.setForeground(Color.WHITE);

frm.add(pass);

tuser=new JTextField();

tuser.setBounds(470, 175, 200, 30);

tuser.setBackground(clr1);

tuser.setForeground(Color.WHITE);

tuser.setCaretColor(Color.WHITE);

tuser.setFont(f2);

frm.add(tuser);

tpass=new JPasswordField();

tpass.setBounds(470, 265, 200, 30);

tpass.setBackground(clr1);

tpass.setForeground(Color.WHITE);

tpass.setCaretColor(Color.WHITE);

tpass.setFont(f2);

frm.add(tpass);

chkshow=new JCheckBox("Show Password");

chkshow.setBounds(470,310,140,30);

chkshow.setFont(f1);

chkshow.setBackground(clr1);

chkshow.setForeground(Color.WHITE);

frm.add(chkshow);

ok=new JButton("Enter");

ok.setBounds(480, 400, 100, 30);

ok.setBackground(clr);

ok.setForeground(clr1);

ok.setFont(f3);

ok.setBorder(null);

frm.add(ok);

exit=new JButton("Exit");

exit.setBounds(620, 400, 100, 30);

exit.setBackground(clr);

exit.setForeground(clr1);

exit.setFont(f3);

exit.setBorder(null);

frm.add(exit);

chkshow.addActionListener(this);

ok.addActionListener(this);

exit.addActionListener(this);

}

public void actionPerformed(ActionEvent a)

{

if(a.getSource()==ok)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select \* from Login where Username='"+tuser.getText()+"' and Password='"+tpass.getText()+"'";

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Invalid Username or Password");

tuser.setText("");

tpass.setText("");

}

else

{

JOptionPane.showMessageDialog(null, "Login Successfull");

frm.getContentPane().removeAll();

frm.repaint();

**//Main Form………………………………………………**

class Mainform implements ActionListener

{

JLabel l3, l4, l5, l6, l7, l8, l9, l10;

ImageIcon icon3, icon4, icon5, icon6;

Font f, f1, f2, f3;

JButton j1,j2,j3,j4;

JPanel p1, p2,p3, p4;

public Mainform()

{

frm.setTitle("Main");

f=new Font("Bookman Old Style", Font.PLAIN, 25);

icon3= new ImageIcon("e:\\Faculty Management\\Icons\\icon3.png");

icon4= new ImageIcon("e:\\Faculty Management\\Icons\\icon4.png");

icon5= new ImageIcon("e:\\Faculty Management\\Icons\\icon5.png");

icon6= new ImageIcon("e:\\Faculty Management\\Icons\\icon6.png");

j1=new JButton(icon3);

j1.setBounds(29,135,120,110);

j1.setBackground(clr1);

j1.setBorder(null);

j1.setLayout(new GridBagLayout());

frm.add(j1);

j2=new JButton(icon4);

j2.setBounds(229,135,120,110);

j2.setBackground(clr1);

j2.setBorder(null);

j2.setLayout(new GridBagLayout());

frm.add(j2);

j3=new JButton(icon5);

j3.setBounds(429,135,120,110);

j3.setBackground(clr1);

j3.setBorder(null);

j3.setLayout(new GridBagLayout());

frm.add(j3);

j4=new JButton(icon6);

j4.setBounds(629,135,120,110);

j4.setBackground(clr1);

j4.setBorder(null);

j4.setLayout(new GridBagLayout());

frm.add(j4);

l7=new JLabel("FACULTY");

l8=new JLabel("SALARY");

l9=new JLabel("REPORT");

l10=new JLabel("EXIT");

l7.setBounds(29,200,120,150);

l7.setHorizontalAlignment(JLabel.CENTER);

l7.setFont(f);

l7.setForeground(Color.WHITE);

l8.setBounds(229,200,120,150);

l8.setHorizontalAlignment(JLabel.CENTER);

l8.setFont(f);

l8.setForeground(Color.WHITE);

l9.setBounds(429,200,120,150);

l9.setHorizontalAlignment(JLabel.CENTER);

l9.setFont(f);

l9.setForeground(Color.WHITE);

l10.setBounds(629,200,120,150);

l10.setHorizontalAlignment(JLabel.CENTER);

l10.setFont(f);

l10.setForeground(Color.WHITE);

frm.add(l7);

frm.add(l8);

frm.add(l9);

frm.add(l10);

j1.addActionListener(this);

j2.addActionListener(this);

j3.addActionListener(this);

j4.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==j1)

{

frm.getContentPane().removeAll();

frm.repaint();

//Faculty Form

class FacultyDetails implements ActionListener

{

JButton b1, b2, b3, b4, b5;

JLabel l1, l2, l3, l4;

ImageIcon img1, img2, img3, img4, img5;

Font f;

public FacultyDetails()

{

frm.setTitle("Faculty");

f=new Font("Times New Roman",Font.PLAIN, 18);

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon7.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon8.png");

img3=new ImageIcon("e:\\Faculty Management\\Icons\\icon9.png");

img4=new ImageIcon("e:\\Faculty Management\\Icons\\icon10.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

b1=new JButton(img1);

b1.setBounds(255,105,105,105);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b2=new JButton(img2);

b2.setBounds(425,105,105,105);

b2.setBackground(clr1);

b2.setBorder(null);

frm.add(b2);

b3=new JButton(img3);

b3.setBounds(255,275,105,105);

b3.setBackground(clr1);

b3.setBorder(null);

frm.add(b3);

b4=new JButton(img4);

b4.setBounds(425,275,105,105);

b4.setBackground(clr1);

b4.setBorder(null);

frm.add(b4);

b5=new JButton(img5);

b5.setBounds(700,30,40,40);

b5.setBackground(clr1);

b5.setBorder(null);

frm.add(b5);

l1=new JLabel("Add");

l1.setBounds(255,215,105,22);

l1.setForeground(Color.WHITE);

l1.setFont(f);

l1.setHorizontalAlignment(JLabel.CENTER);

frm.add(l1);

l2=new JLabel("Edit");

l2.setBounds(425,215,105,22);

l2.setForeground(Color.WHITE);

l2.setFont(f);

l2.setHorizontalAlignment(JLabel.CENTER);

frm.add(l2);

l3=new JLabel("Search");

l3.setBounds(255,385,105,22);

l3.setForeground(Color.WHITE);

l3.setFont(f);

l3.setHorizontalAlignment(JLabel.CENTER);

frm.add(l3);

l4=new JLabel("Exit");

l4.setBounds(425,385,105,22);

l4.setForeground(Color.WHITE);

l4.setFont(f);

l4.setHorizontalAlignment(JLabel.CENTER);

frm.add(l4);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Add Faculty………………………………………………**

class AddFaculty implements ActionListener

{

JLabel limg, ltitle, j1, j2, j4, j3, j5, j6, j7, j8, j9, j10, j11, j12, j13, j14;

JTextField t1, t2, t3, t5, t6, t7, t8, t9, t10, t12;

JComboBox t4, t11, t14, t13;

JButton b1, b2, b3, b4;

ImageIcon img;

Font f, f1, f2, f3;

public AddFaculty()

{

frm.setTitle("Add Faculty");

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Arial",Font.PLAIN, 18);

f3=new Font("Century Gothic",Font.BOLD, 12);

img=new ImageIcon("e:\\Faculty Management\\Icons\\icon15.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

limg=new JLabel(img);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("ADD FACULTY");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("ID :", SwingConstants.RIGHT);

j1.setBounds(40,120,110,20);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190,120,150,20);

t1.setBorder(null);

t1.setFont(f3);

frm.add(t1);

j2=new JLabel("First Name :", SwingConstants.RIGHT);

j2.setBounds(40,160,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190,160,150,20);

t2.setBorder(null);

t2.setFont(f3);

frm.add(t2);

j3=new JLabel("Last Name :", SwingConstants.RIGHT);

j3.setBounds(40,200,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,200,150,20);

t3.setBorder(null);

t3.setFont(f3);

frm.add(t3);

j4=new JLabel("Gender :", SwingConstants.RIGHT);

j4.setBounds(40,240,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JComboBox();

t4.addItem("Male");

t4.addItem("Female");

t4.addItem("Other");

t4.setBounds(190,240,150,20);

t4.setBorder(null);

t4.setFont(f3);

frm.add(t4);

j5=new JLabel("Date of Birth :", SwingConstants.RIGHT);

j5.setBounds(40,280,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(190,280,150,20);

t5.setBorder(null);

t5.setFont(f3);

frm.add(t5);

j6=new JLabel("Address :", SwingConstants.RIGHT);

j6.setBounds(40,320,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(190,320,150,20);

t6.setBorder(null);

t6.setFont(f3);

frm.add(t6);

j7=new JLabel("Joining Date :", SwingConstants.RIGHT);

j7.setBounds(40,360,110,20);

j7.setFont(f1);

j7.setForeground(Color.WHITE);

frm.add(j7);

t7=new JTextField();

t7.setBounds(190,360,150,20);

t7.setBorder(null);

t7.setFont(f3);

frm.add(t7);

j8=new JLabel("Phone No :", SwingConstants.RIGHT);

j8.setBounds(420,120,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

t8=new JTextField();

t8.setBounds(570,120,150,20);

t8.setBorder(null);

t8.setFont(f3);

frm.add(t8);

j9=new JLabel("Qualification :", SwingConstants.RIGHT);

j9.setBounds(420,160,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

t9=new JTextField();

t9.setBounds(570,160,150,20);

t9.setBorder(null);

t9.setFont(f3);

frm.add(t9);

j10=new JLabel("Salary :", SwingConstants.RIGHT);

j10.setBounds(420,200,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

t10=new JTextField();

t10.setBounds(570,200,150,20);

t10.setBorder(null);

t10.setFont(f3);

frm.add(t10);

j11=new JLabel("Department :", SwingConstants.RIGHT);

j11.setBounds(420,240,110,20);

j11.setFont(f1);

j11.setForeground(Color.WHITE);

frm.add(j11);

t11=new JComboBox();

t11.addItem("Science");

t11.addItem("Commerce");

t11.addItem("Arts");

t11.setBounds(570,240,150,20);

t11.setBorder(null);

t11.setFont(f3);

frm.add(t11);

j12=new JLabel("Email ID :", SwingConstants.RIGHT);

j12.setBounds(420,280,110,20);

j12.setFont(f1);

j12.setForeground(Color.WHITE);

frm.add(j12);

t12=new JTextField();

t12.setBounds(570,280,150,20);

t12.setBorder(null);

t12.setFont(f3);

frm.add(t12);

j13=new JLabel("Designation :", SwingConstants.RIGHT);

j13.setBounds(420,320,110,20);

j13.setFont(f1);

j13.setForeground(Color.WHITE);

frm.add(j13);

t13=new JComboBox();

t13.addItem("Principal");

t13.addItem("Lecturer");

t13.addItem("Assistant Teacher");

t13.addItem("Clerk");

t13.setBounds(570,320,150,20);

t13.setBorder(null);

t13.setFont(f3);

frm.add(t13);

j14=new JLabel("Marital Stauts :", SwingConstants.RIGHT);

j14.setBounds(420,360,110,20);

j14.setFont(f1);

j14.setForeground(Color.WHITE);

frm.add(j14);

t14=new JComboBox();

t14.addItem("Married");

t14.addItem("Unmarried");

t14.setBounds(570,360,150,20);

t14.setBorder(null);

t14.setFont(f3);

frm.add(t14);

b1=new JButton("SAVE");

b1.setBounds(125,430,100,30);

b1.setBackground(clr);

b1.setForeground(clr1);

b1.setFont(f2);

b1.setBorder(null);

frm.add(b1);

b2=new JButton("CLEAR");

b2.setBounds(350,430,100,30);

b2.setBackground(clr);

b2.setForeground(clr1);

b2.setFont(f2);

b2.setBorder(null);

frm.add(b2);

b3=new JButton("EXIT");

b3.setBounds(575,430,100,30);

b3.setBackground(clr);

b3.setForeground(clr1);

b3.setFont(f2);

b3.setBorder(null);

frm.add(b3);

b4=new JButton(img5);

b4.setBounds(700,30,40,40);

b4.setBackground(clr1);

b4.setBorder(null);

frm.add(b4);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

ResultSet rs=state.executeQuery("select MAX(ID) from FacultyDetails");

if(rs.next())

{

int id=Integer.parseInt(rs.getString(1));

id++;

t1.setText(String.valueOf(id));

}

}

catch(Exception a)

{

System.out.println(a);

}

t1.setEditable(false);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

if((t2.getText().length()==0)||(t3.getText().length()==0)||(t4.getSelectedItem().toString().length()==0)||(t5.getText().length()==0)||(t6.getText().length()==0)||(t7.getText().length()==0)||(t8.getText().length()==0)||(t9.getText().length()==0)||(t10.getText().length()==0)||(t11.getSelectedItem().toString().length()==0)||(t12.getText().length()==0)||(t13.getSelectedItem().toString().length()==0)||(t14.getSelectedItem().toString().length()==0))

{

JOptionPane.showMessageDialog(null, "Please fill all fields");

}

else

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="insert into FacultyDetails values("+Integer.parseInt(t1.getText())+", '"+t2.getText()+"', '"+t3.getText()+"', '"+t4.getSelectedItem().toString()+"', '"+t5.getText()+"', '"+t6.getText()+"', '"+t7.getText()+"', '"+t8.getText()+"', '"+t9.getText()+"', "+t10.getText()+", '"+t11.getSelectedItem().toString()+"', '"+t12.getText()+"', '"+t13.getSelectedItem().toString()+"', '"+t14.getSelectedItem().toString()+"')";

state.executeUpdate(q);

JOptionPane.showMessageDialog(null, "Successfully Saved");

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Format Mismatch");

}

}

}

if(e.getSource()==b2)

{

t2.setText(null);

t3.setText(null);

t5.setText(null);

t6.setText(null);

t7.setText(null);

t8.setText(null);

t9.setText(null);

t10.setText(null);

t12.setText(null);

}

if(e.getSource()==b3)

{

frm.dispose();

}

if(e.getSource()==b4)

{

frm.getContentPane().removeAll();

frm.repaint();

FacultyDetails f=new FacultyDetails();

}

}

}

AddFaculty a=new AddFaculty();

}

if(e.getSource()==b2)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Edit Faculty………………………………………………**

class EditFaculty implements ActionListener

{

JLabel limg, ltitle, j1, j2, j4, j3, j5, j6, j7, j8, j9, j10, j11, j12, j13, j14;

JTextField t1, t2, t3, t5, t6, t7, t8, t9, t10, t12;

JComboBox t4, t11, t14, t13;

JButton b1, b2, b3, b4, b5;

ImageIcon img, img1;

Font f, f1, f2, f3;

public EditFaculty()

{

frm.setTitle("Edit Faculty");

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Arial",Font.PLAIN, 18);

f3=new Font("Century Gothic",Font.BOLD, 12);

img=new ImageIcon("e:\\Faculty Management\\Icons\\icon16.png");

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon18.png");

limg=new JLabel(img);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("EDIT FACULTY");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("Enter ID :", SwingConstants.RIGHT);

j1.setBounds(40,120,110,20);

j1.setFont(f1);

j1.setForeground(clr);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190,120,150,20);

t1.setBorder(null);

t1.setFont(f3);

frm.add(t1);

j2=new JLabel("First Name :", SwingConstants.RIGHT);

j2.setBounds(40,160,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190,160,150,20);

t2.setBorder(null);

t2.setFont(f3);

frm.add(t2);

j3=new JLabel("Last Name :", SwingConstants.RIGHT);

j3.setBounds(40,200,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,200,150,20);

t3.setBorder(null);

t3.setFont(f3);

frm.add(t3);

j4=new JLabel("Gender :", SwingConstants.RIGHT);

j4.setBounds(40,240,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JComboBox();

t4.addItem("Male");

t4.addItem("Female");

t4.addItem("Other");

t4.setBounds(190,240,150,20);

t4.setBorder(null);

t4.setFont(f3);

frm.add(t4);

j5=new JLabel("Date of Birth :", SwingConstants.RIGHT);

j5.setBounds(40,280,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(190,280,150,20);

t5.setBorder(null);

t5.setFont(f3);

frm.add(t5);

j6=new JLabel("Address :", SwingConstants.RIGHT);

j6.setBounds(40,320,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(190,320,150,20);

t6.setBorder(null);

t6.setFont(f3);

frm.add(t6);

j7=new JLabel("Joining Date :", SwingConstants.RIGHT);

j7.setBounds(40,360,110,20);

j7.setFont(f1);

j7.setForeground(Color.WHITE);

frm.add(j7);

t7=new JTextField();

t7.setBounds(190,360,150,20);

t7.setBorder(null);

t7.setFont(f3);

frm.add(t7);

j8=new JLabel("Phone No :", SwingConstants.RIGHT);

j8.setBounds(420,120,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

t8=new JTextField();

t8.setBounds(570,120,150,20);

t8.setBorder(null);

t8.setFont(f3);

frm.add(t8);

j9=new JLabel("Qualification :", SwingConstants.RIGHT);

j9.setBounds(420,160,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

t9=new JTextField();

t9.setBounds(570,160,150,20);

t9.setBorder(null);

t9.setFont(f3);

frm.add(t9);

j10=new JLabel("Salary :", SwingConstants.RIGHT);

j10.setBounds(420,200,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

t10=new JTextField();

t10.setBounds(570,200,150,20);

t10.setBorder(null);

t10.setFont(f3);

frm.add(t10);

j11=new JLabel("Department :", SwingConstants.RIGHT);

j11.setBounds(420,240,110,20);

j11.setFont(f1);

j11.setForeground(Color.WHITE);

frm.add(j11);

t11=new JComboBox();

t11.addItem("Science");

t11.addItem("Commerce");

t11.addItem("Arts");

t11.setBounds(570,240,150,20);

t11.setBorder(null);

t11.setFont(f3);

frm.add(t11);

j12=new JLabel("Email ID :", SwingConstants.RIGHT);

j12.setBounds(420,280,110,20);

j12.setFont(f1);

j12.setForeground(Color.WHITE);

frm.add(j12);

t12=new JTextField();

t12.setBounds(570,280,150,20);

t12.setBorder(null);

t12.setFont(f3);

frm.add(t12);

j13=new JLabel("Designation :", SwingConstants.RIGHT);

j13.setBounds(420,320,110,20);

j13.setFont(f1);

j13.setForeground(Color.WHITE);

frm.add(j13);

t13=new JComboBox();

t13.addItem("Principal");

t13.addItem("Lecturer");

t13.addItem("Assistant Teacher");

t13.addItem("Clerk");

t13.setBounds(570,320,150,20);

t13.setBorder(null);

t13.setFont(f3);

frm.add(t13);

j14=new JLabel("Marital Stauts :", SwingConstants.RIGHT);

j14.setBounds(420,360,110,20);

j14.setFont(f1);

j14.setForeground(Color.WHITE);

frm.add(j14);

t14=new JComboBox();

t14.addItem("Married");

t14.addItem("Unmarried");

t14.setBounds(570,360,150,20);

t14.setBorder(null);

t14.setFont(f3);

frm.add(t14);

b1=new JButton(img1);

b1.setBounds(345,115,30,30);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b2=new JButton("SAVE");

b2.setBounds(350,430,100,30);

b2.setBackground(clr);

b2.setForeground(clr1);

b2.setFont(f2);

b2.setBorder(null);

frm.add(b2);

b2.setEnabled(false);

b3=new JButton("EXIT");

b3.setBounds(575,430,100,30);

b3.setBackground(clr);

b3.setForeground(clr1);

b3.setFont(f2);

b3.setBorder(null);

frm.add(b3);

b4=new JButton(img5);

b4.setBounds(700,30,40,40);

b4.setBackground(clr1);

b4.setBorder(null);

frm.add(b4);

b5=new JButton("EDIT");

b5.setBounds(125,430,100,30);

b5.setBackground(clr);

b5.setForeground(clr1);

b5.setFont(f2);

b5.setBorder(null);

frm.add(b5);

b5.setEnabled(false);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select \* from FacultyDetails where ID="+t1.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name"));

t3.setText(res.getString("Last\_Name"));

t4.setSelectedItem(res.getString("Gender"));

t5.setText(res.getString("Date\_of\_Birth"));

t6.setText(res.getString("Address"));

t7.setText(res.getString("Joining\_Date"));

t8.setText(res.getString("Phone\_No"));

t9.setText(res.getString("Qualification"));

t10.setText(res.getString("Salary"));

t11.setSelectedItem(res.getString("Department"));

t12.setText(res.getString("Email\_ID"));

t13.setSelectedItem(res.getString("Designation"));

t14.setSelectedItem(res.getString("Marital\_Status"));

t2.setEditable(false);

t3.setEditable(false);

t4.setEditable(false);

t5.setEditable(false);

t6.setEditable(false);

t7.setEditable(false);

t8.setEditable(false);

t9.setEditable(false);

t10.setEditable(false);

t11.setEditable(false);

t12.setEditable(false);

t13.setEditable(false);

t14.setEditable(false);

b5.setEnabled(true);

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Please Enter ID");

}

}

if(e.getSource()==b5)

{

t2.setEditable(true);

t3.setEditable(true);

t4.setEditable(true);

t5.setEditable(true);

t6.setEditable(true);

t7.setEditable(true);

t8.setEditable(true);

t9.setEditable(true);

t10.setEditable(true);

t11.setEditable(true);

t12.setEditable(true);

t13.setEditable(true);

t14.setEditable(true);

b2.setEnabled(true);

}

if(e.getSource()==b2)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="update FacultyDetails set First\_Name='"+t2.getText()+"', Last\_Name='"+t3.getText()+"', Gender='"+t4.getSelectedItem().toString()+"', Date\_of\_Birth='"+t5.getText()+"', Address='"+t6.getText()+"', Joining\_Date='"+t7.getText()+"', Phone\_No='"+t8.getText()+"', Qualification='"+t9.getText()+"', Salary="+t10.getText()+", Department='"+t11.getSelectedItem().toString()+"', Email\_ID='"+t12.getText()+"', Designation='"+t13.getSelectedItem().toString()+"', Marital\_Status='"+t14.getSelectedItem().toString()+"'where ID="+t1.getText();

state.executeUpdate(q);

JOptionPane.showMessageDialog(null, "Successfully Saved");

t2.setEditable(false);

t3.setEditable(false);

t4.setEditable(false);

t5.setEditable(false);

t6.setEditable(false);

t7.setEditable(false);

t8.setEditable(false);

t9.setEditable(false);

t10.setEditable(false);

t11.setEditable(false);

t12.setEditable(false);

t13.setEditable(false);

t14.setEditable(false);

b2.setEnabled(false);

b5.setEnabled(false);

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, obj.getMessage());

}

}

if(e.getSource()==b3)

{

frm.dispose();

}

if(e.getSource()==b4)

{

frm.getContentPane().removeAll();

frm.repaint();

FacultyDetails f=new FacultyDetails();

}

}

}

EditFaculty g=new EditFaculty();

}

if(e.getSource()==b3)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Search Faculty………………………………………………**

class SearchFaculty implements ActionListener

{

ImageIcon img;

JLabel limg,ltitle,lid, j2, j4, j5, j6, j7, j8, j9, j10, j11, j12, j13, j14 ;

JTextField tid, t2, t4, t5, t6, t7, t8, t9, t10, t11, t12, t13, t14;

JButton b, b1, bsearch;

Font f, f1, f2, f3, f4;

public SearchFaculty()

{

frm.setTitle("Search Faculty");

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

img=new ImageIcon("e:\\Faculty Management\\Icons\\icon17.png");

limg=new JLabel(img);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("SEARCH FACULTY");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

lid=new JLabel("Enter ID :");

lid.setBounds(100,100,150,26);

lid.setFont(f1);

lid.setForeground(Color.WHITE);

frm.add(lid);

tid=new JTextField();

tid.setBounds(270, 100, 110, 26);

tid.setBorder(null);

tid.setFont(f1);

frm.add(tid);

bsearch=new JButton("SEARCH");

bsearch.setBounds(400,100,80,26);

bsearch.setFont(f1);

bsearch.setForeground(clr1);

bsearch.setBackground(clr);

bsearch.setBorder(null);

frm.add(bsearch);

j2=new JLabel("Full Name :", SwingConstants.RIGHT);

j2.setBounds(140,160,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

j2.setVisible(false);

t2=new JTextField();

t2.setBounds(290,160,200,20);

t2.setBorder(null);

t2.setBackground(clr1);

t2.setForeground(Color.WHITE);

t2.setFont(f3);

frm.add(t2);

j4=new JLabel("Gender :", SwingConstants.RIGHT);

j4.setBounds(140,180,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

j4.setVisible(false);

t4=new JTextField();

t4.setBounds(290,180,70,20);

t4.setBorder(null);

t4.setBackground(clr1);

t4.setForeground(Color.WHITE);

t4.setFont(f3);

frm.add(t4);

j5=new JLabel("Date of Birth :", SwingConstants.RIGHT);

j5.setBounds(140,200,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

j5.setVisible(false);

t5=new JTextField();

t5.setBounds(290,200,180,20);

t5.setBorder(null);

t5.setBackground(clr1);

t5.setForeground(Color.WHITE);

t5.setFont(f3);

frm.add(t5);

j6=new JLabel("Address :", SwingConstants.RIGHT);

j6.setBounds(140,220,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

j6.setVisible(false);

t6=new JTextField();

t6.setBounds(290,220,350,20);

t6.setBorder(null);

t6.setBackground(clr1);

t6.setForeground(Color.WHITE);

t6.setFont(f3);

frm.add(t6);

j7=new JLabel("Joining Date :", SwingConstants.RIGHT);

j7.setBounds(140,240,110,20);

j7.setFont(f1);

j7.setForeground(Color.WHITE);

frm.add(j7);

j7.setVisible(false);

t7=new JTextField();

t7.setBounds(290,240,180,20);

t7.setBorder(null);

t7.setBackground(clr1);

t7.setForeground(Color.WHITE);

t7.setFont(f3);

frm.add(t7);

j8=new JLabel("Phone No :", SwingConstants.RIGHT);

j8.setBounds(140,260,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

j8.setVisible(false);

t8=new JTextField();

t8.setBounds(290,260,150,20);

t8.setBorder(null);

t8.setBackground(clr1);

t8.setForeground(Color.WHITE);

t8.setFont(f3);

frm.add(t8);

j9=new JLabel("Qualification :", SwingConstants.RIGHT);

j9.setBounds(140,280,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

j9.setVisible(false);

t9=new JTextField();

t9.setBounds(290,280,150,20);

t9.setBorder(null);

t9.setBackground(clr1);

t9.setForeground(Color.WHITE);

t9.setFont(f3);

frm.add(t9);

j10=new JLabel("Salary :", SwingConstants.RIGHT);

j10.setBounds(140,300,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

j10.setVisible(false);

t10=new JTextField();

t10.setBounds(290,300,100,20);

t10.setBorder(null);

t10.setBackground(clr1);

t10.setForeground(Color.WHITE);

t10.setFont(f3);

frm.add(t10);

j11=new JLabel("Department :", SwingConstants.RIGHT);

j11.setBounds(140,320,110,20);

j11.setFont(f1);

j11.setForeground(Color.WHITE);

frm.add(j11);

j11.setVisible(false);

t11=new JTextField();

t11.setBounds(290,320,250,20);

t11.setBorder(null);

t11.setBackground(clr1);

t11.setForeground(Color.WHITE);

t11.setFont(f3);

frm.add(t11);

j12=new JLabel("Email ID :", SwingConstants.RIGHT);

j12.setBounds(140,340,110,20);

j12.setFont(f1);

j12.setForeground(Color.WHITE);

frm.add(j12);

j12.setVisible(false);

t12=new JTextField();

t12.setBounds(290,340,250,20);

t12.setBorder(null);

t12.setBackground(clr1);

t12.setForeground(Color.WHITE);

t12.setFont(f3);

frm.add(t12);

j13=new JLabel("Designation :", SwingConstants.RIGHT);

j13.setBounds(140,360,110,20);

j13.setFont(f1);

j13.setForeground(Color.WHITE);

frm.add(j13);

j13.setVisible(false);

t13=new JTextField();

t13.setBounds(290,360,100,20);

t13.setBorder(null);

t13.setBackground(clr1);

t13.setForeground(Color.WHITE);

t13.setFont(f3);

frm.add(t13);

j14=new JLabel("Marital Stauts :", SwingConstants.RIGHT);

j14.setBounds(140,380,110,20);

j14.setFont(f1);

j14.setForeground(Color.WHITE);

frm.add(j14);

j14.setVisible(false);

t14=new JTextField();

t14.setBounds(290,380,150,20);

t14.setBorder(null);

t14.setBackground(clr1);

t14.setForeground(Color.WHITE);

t14.setFont(f3);

frm.add(t14);

b=new JButton(img5);

b.setBounds(700,30,40,40);

b.setBackground(clr1);

b.setBorder(null);

frm.add(b);

b1=new JButton("EXIT");

b1.setBounds(575,430,100,30);

b1.setBackground(clr);

b1.setForeground(clr1);

b1.setFont(f2);

b1.setBorder(null);

frm.add(b1);

bsearch.addActionListener(this);

b.addActionListener(this);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==bsearch)

{

j2.setVisible(true);

j4.setVisible(true);

j5.setVisible(true);

j6.setVisible(true);

j7.setVisible(true);

j8.setVisible(true);

j9.setVisible(true);

j10.setVisible(true);

j11.setVisible(true);

j12.setVisible(true);

j13.setVisible(true);

j14.setVisible(true);

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select \* from FacultyDetails where ID="+tid.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

j2.setVisible(false);

j4.setVisible(false);

j5.setVisible(false);

j6.setVisible(false);

j7.setVisible(false);

j8.setVisible(false);

j9.setVisible(false);

j10.setVisible(false);

j11.setVisible(false);

j12.setVisible(false);

j13.setVisible(false);

j14.setVisible(false);

t2.setText("");

t4.setText("");

t5.setText("");

t6.setText("");

t7.setText("");

t8.setText("");

t9.setText("");

t10.setText("");

t11.setText("");

t12.setText("");

t13.setText("");

t14.setText("");

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name")+" "+res.getString("Last\_Name"));

t4.setText(res.getString("Gender"));

t5.setText(res.getString("Date\_of\_Birth"));

t6.setText(res.getString("Address"));

t7.setText(res.getString("Joining\_Date"));

t8.setText(res.getString("Phone\_No"));

t9.setText(res.getString("Qualification"));

t10.setText(res.getString("Salary"));

t11.setText(res.getString("Department"));

t12.setText(res.getString("Email\_ID"));

t13.setText(res.getString("Designation"));

t14.setText(res.getString("Marital\_Status"));

t2.setEditable(false);

t4.setEditable(false);

t5.setEditable(false);

t6.setEditable(false);

t7.setEditable(false);

t8.setEditable(false);

t9.setEditable(false);

t10.setEditable(false);

t11.setEditable(false);

t12.setEditable(false);

t13.setEditable(false);

t14.setEditable(false);

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, obj.getMessage());

}

}

if(e.getSource()==b)

{

frm.getContentPane().removeAll();

frm.repaint();

FacultyDetails f=new FacultyDetails();

}

if(e.getSource()==b1)

{

frm.dispose();

}

}

}

SearchFaculty s=new SearchFaculty();

}

if(e.getSource()==b4)

{

frm.dispose();

}

if(e.getSource()==b5)

{

frm.getContentPane().removeAll();

frm.repaint();

Mainform m=new Mainform();

}

}

}

FacultyDetails a=new FacultyDetails();

}

if(e.getSource()==j2)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Salary Form………………………………………………**

class BasicSalary implements ActionListener

{

JButton b, bincentive, bedit, bleave, eleave, bresult, bexit;

Font f, f1, f2, f3, f4, f5;

ImageIcon img1, img2, img3, img4, img5, img6, img7;

JLabel j1, j11, j2, j21, j3, j31, j4, j41, j5, j51, j6, j61;

public BasicSalary()

{

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

f5=new Font("Times New Roman",Font.PLAIN, 16);

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon21.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon22.png");

img3=new ImageIcon("e:\\Faculty Management\\Icons\\icon23.png");

img4=new ImageIcon("e:\\Faculty Management\\Icons\\icon24.png");

img6=new ImageIcon("e:\\Faculty Management\\Icons\\icon25.png");

img7=new ImageIcon("e:\\Faculty Management\\Icons\\icon26.png");

bincentive=new JButton(img1);

bincentive.setBounds(215,100,90,90);

bincentive.setBackground(clr1);

bincentive.setBorder(null);

frm.add(bincentive);

bedit=new JButton(img2);

bedit.setBounds(355,100,90,90);

bedit.setBackground(clr1);

bedit.setBorder(null);

frm.add(bedit);

bleave=new JButton(img3);

bleave.setBounds(495,100,90,90);

bleave.setBackground(clr1);

bleave.setBorder(null);

frm.add(bleave);

eleave=new JButton(img4);

eleave.setBounds(215,260,90,90);

eleave.setBackground(clr1);

eleave.setBorder(null);

frm.add(eleave);

bresult=new JButton(img6);

bresult.setBounds(355,260,90,90);

bresult.setBackground(clr1);

bresult.setBorder(null);

frm.add(bresult);

bexit=new JButton(img7);

bexit.setBounds(495,260,90,90);

bexit.setBackground(clr1);

bexit.setBorder(null);

frm.add(bexit);

j1=new JLabel("Add");

j1.setBounds(215,200,90,20);

j1.setHorizontalAlignment(JLabel.CENTER);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

j11=new JLabel("Allowance");

j11.setBounds(215,220,90,20);

j11.setHorizontalAlignment(JLabel.CENTER);

j11.setFont(f1);

j11.setForeground(Color.WHITE);

frm.add(j11);

j2=new JLabel("Edit");

j2.setBounds(355,200,90,20);

j2.setHorizontalAlignment(JLabel.CENTER);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

j21=new JLabel("Allowance");

j21.setBounds(355,220,90,20);

j21.setHorizontalAlignment(JLabel.CENTER);

j21.setFont(f1);

j21.setForeground(Color.WHITE);

frm.add(j21);

j3=new JLabel("Add");

j3.setBounds(495,200,90,20);

j3.setHorizontalAlignment(JLabel.CENTER);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

j31=new JLabel("Leave");

j31.setBounds(495,220,90,20);

j31.setHorizontalAlignment(JLabel.CENTER);

j31.setFont(f1);

j31.setForeground(Color.WHITE);

frm.add(j31);

j4=new JLabel("Edit");

j4.setBounds(215,360,90,20);

j4.setHorizontalAlignment(JLabel.CENTER);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

j41=new JLabel("Salary");

j41.setBounds(215,380,90,20);

j41.setHorizontalAlignment(JLabel.CENTER);

j41.setFont(f1);

j41.setForeground(Color.WHITE);

frm.add(j41);

j5=new JLabel("Total");

j5.setBounds(355,360,90,20);

j5.setHorizontalAlignment(JLabel.CENTER);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

j51=new JLabel("Salary");

j51.setBounds(355,380,90,20);

j51.setHorizontalAlignment(JLabel.CENTER);

j51.setFont(f1);

j51.setForeground(Color.WHITE);

frm.add(j51);

j6=new JLabel("Exit");

j6.setBounds(495,360,90,20);

j6.setHorizontalAlignment(JLabel.CENTER);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

b=new JButton(img5);

b.setBounds(700,30,40,40);

b.setBackground(clr1);

b.setBorder(null);

frm.add(b);

bincentive.addActionListener(this);

bedit.addActionListener(this);

bleave.addActionListener(this);

eleave.addActionListener(this);

bresult.addActionListener(this);

bexit.addActionListener(this);

b.addActionListener(this);

}

public void actionPerformed(ActionEvent bb)

{

if(bb.getSource()==bincentive)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Add Allowance………………………………………………**

class Incentive implements ActionListener

{

JLabel j1, j2, j3, j4, j5, j6, j7, j8, j9, j10, jper, jamt, ltotal, limg, ltitle;

JTextField t1, t2, t3, t4, t5, t6, thra, thra1, tda, tda1, tta, tta1, ttotal;

JButton b1, b2, b3, b5;

Font f, f1, f2, f3, f4, f5;

ImageIcon img1, img2, img5;

public Incentive()

{

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

f5=new Font("Times New Roman",Font.PLAIN, 22);

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon18.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon19.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

limg=new JLabel(img2);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("ADD ALLOWANCE");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("ID");

j1.setBounds(40,115,110,20);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190, 115, 150, 20);

t1.setBorder(null);

t1.setFont(f4);

frm.add(t1);

t1.setEditable(false);

j2=new JLabel("Name");

j2.setBounds(40,155,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190, 155, 150, 20);

t2.setBorder(null);

t2.setFont(f4);

frm.add(t2);

t2.setEditable(false);

j3=new JLabel("Designation");

j3.setBounds(40,195,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,195,150,20);

t3.setBorder(null);

t3.setFont(f4);

frm.add(t3);

t3.setEditable(false);

j4=new JLabel("Department");

j4.setBounds(420,115,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JTextField();

t4.setBounds(570,115,150,20);

t4.setBorder(null);

t4.setFont(f4);

frm.add(t4);

t4.setEditable(false);

j5=new JLabel("Date of Join");

j5.setBounds(420,155,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(570,155,150,20);

t5.setBorder(null);

t5.setFont(f4);

frm.add(t5);

t5.setEditable(false);

j6=new JLabel("Salary");

j6.setBounds(420,195,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(570,195,150,20);

t6.setBorder(null);

t6.setFont(f4);

frm.add(t6);

j7=new JLabel("Allowance Info:");

j7.setBounds(40,270,150,25);

j7.setFont(f2);

j7.setForeground(clr);

frm.add(j7);

jper=new JLabel("Percentage%",SwingConstants.LEFT);

jper.setBounds(270,290,110,30);

jper.setFont(f4);

jper.setForeground(Color.WHITE);

frm.add(jper);

jamt=new JLabel("Amount(Rs)",SwingConstants.LEFT);

jamt.setBounds(370,290,110,30);

jamt.setFont(f4);

jamt.setForeground(Color.WHITE);

frm.add(jamt);

j8=new JLabel("HRA");

j8.setBounds(150,320,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

thra=new JTextField();

thra.setBounds(270,320,50,20);

thra.setBorder(null);

thra.setFont(f4);

frm.add(thra);

thra.setEnabled(false);

thra1=new JTextField();

thra1.setBounds(370,320,100,20);

thra1.setBorder(null);

thra1.setFont(f4);

frm.add(thra1);

thra1.setEnabled(false);

j9=new JLabel("DA");

j9.setBounds(150,360,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

tda=new JTextField();

tda.setBounds(270,360,50,20);

tda.setBorder(null);

tda.setFont(f4);

frm.add(tda);

tda.setEnabled(false);

tda1=new JTextField();

tda1.setBounds(370,360,100,20);

tda1.setBorder(null);

tda1.setFont(f4);

frm.add(tda1);

tda1.setEnabled(false);

j10=new JLabel("TA");

j10.setBounds(150,400,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

tta=new JTextField();

tta.setBounds(270,400,50,20);

tta.setBorder(null);

tta.setFont(f4);

frm.add(tta);

tta.setEnabled(false);

tta1=new JTextField();

tta1.setBounds(370,400,100,20);

tta1.setBorder(null);

tta1.setFont(f4);

frm.add(tta1);

tta1.setEnabled(false);

ltotal=new JLabel("Total Allowance");

ltotal.setBounds(540,320,150,20);

ltotal.setFont(f1);

ltotal.setForeground(clr);

frm.add(ltotal);

ttotal=new JTextField();

ttotal.setBounds(540,350,150,20);

ttotal.setBorder(null);

ttotal.setBackground(clr1);

ttotal.setForeground(Color.WHITE);

ttotal.setFont(f1);

frm.add(ttotal);

ttotal.setEnabled(false);

b1=new JButton(img1);

b1.setBounds(350,110,30,30);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b2=new JButton("Calculate");

b2.setBounds(350,450,100,30);

b2.setBackground(clr);

b2.setBorder(null);

b2.setFont(f1);

frm.add(b2);

b2.setEnabled(true);

b3=new JButton("SAVE");

b3.setBounds(570,390,100,30);

b3.setBackground(clr);

b3.setBorder(null);

b3.setFont(f1);

frm.add(b3);

b3.setEnabled(true);

b5=new JButton(img5);

b5.setBounds(700,30,40,40);

b5.setBackground(clr1);

b5.setBorder(null);

frm.add(b5);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b5.addActionListener(this);

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

ResultSet rs=state.executeQuery("select MAX(ID1) from Salary1");

if(rs.next())

{

int id=Integer.parseInt(rs.getString(1));

id++;

t1.setText(String.valueOf(id));

}

}

catch(Exception a)

{

System.out.println(a);

}

t1.setEditable(false);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select \* from FacultyDetails where ID="+t1.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name")+" "+res.getString("Last\_Name"));

t3.setText(res.getString("Designation"));

t4.setText(res.getString("Department"));

t5.setText(res.getString("Joining\_Date"));

t6.setText(res.getString("Salary"));

thra.setEnabled(true);

tda.setEnabled(true);

tta.setEnabled(true);

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Please Enter Correct ID");

}

}

if(e.getSource()==b2)

{

if((thra.getText().toString().length()==0)||(tda.getText().toString().length()==0)||(tta.getText().toString().length()==0))

{

JOptionPane.showMessageDialog(null, "Please Fill all Fields");

}

else

{

thra1.setEnabled(true);

thra1.setEditable(false);

tda1.setEnabled(true);

tda1.setEditable(false);

tta1.setEnabled(true);

tta1.setEditable(false);

int hra;

hra = Integer.parseInt(t6.getText());

int hr1;

hr1=hra\*Integer.parseInt(thra.getText())/100;

thra1.setText(Integer.toString(hr1));

int da;

da = Integer.parseInt(t6.getText());

int d1;

d1=da\*Integer.parseInt(tda.getText())/100;

tda1.setText(Integer.toString(d1));

int ttta;

ttta = Integer.parseInt(t6.getText());

int ttta1;

ttta1=ttta\*Integer.parseInt(tta.getText())/100;

tta1.setText(Integer.toString(ttta1));

ttotal.setText(Integer.toString(hr1+d1+ttta1));

}

}

if(e.getSource()==b3)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection c=DriverManager.getConnection("jdbc:odbc:fclty");

Statement st=c.createStatement();

String qr="insert into Salary1 values("+Integer.parseInt(t1.getText())+","+Integer.parseInt(thra.getText())+","+Integer.parseInt(tda.getText())+","+Integer.parseInt(tta.getText())+","+Integer.parseInt(thra1.getText())+","+Integer.parseInt(tda1.getText())+","+Integer.parseInt(tta1.getText())+","+Integer.parseInt(ttotal.getText())+")";

st.executeUpdate(qr);

JOptionPane.showMessageDialog(null, "Successfully Saved");

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Format Mismatch");

}

}

if(e.getSource()==b5)

{

frm.getContentPane().removeAll();

frm.repaint();

BasicSalary b=new BasicSalary();

}

}

}

Incentive i=new Incentive();

}

if(bb.getSource()==bedit)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Edit Allowance………………………………………………**

class EditIncentive implements ActionListener

{

JLabel j1, j2, j3, j4, j5, j6, j7, j8, j9, j10, jper, jamt, ltotal, limg, ltitle;

JTextField t1, t2, t3, t4, t5, t6, thra, thra1, tda, tda1, tta, tta1, ttotal;

JButton b1, b2, b3, b4, b5;

Font f, f1, f2, f3, f4, f5;

ImageIcon img1, img2, img5;

public EditIncentive()

{

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

f2=new Font("Times New Roman",Font.PLAIN, 22);

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon18.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon19.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

limg=new JLabel(img2);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("EDIT ALLOWANCE");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("ID");

j1.setBounds(40,115,110,20);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190, 115, 150, 20);

t1.setBorder(null);

t1.setFont(f4);

frm.add(t1);

j2=new JLabel("Name");

j2.setBounds(40,155,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190, 155, 150, 20);

t2.setBorder(null);

t2.setFont(f4);

frm.add(t2);

t2.setEditable(false);

j3=new JLabel("Designation");

j3.setBounds(40,195,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,195,150,20);

t3.setBorder(null);

t3.setFont(f4);

frm.add(t3);

t3.setEditable(false);

j4=new JLabel("Department");

j4.setBounds(420,115,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JTextField();

t4.setBounds(570,115,150,20);

t4.setBorder(null);

t4.setFont(f4);

frm.add(t4);

t4.setEditable(false);

j5=new JLabel("Date of Join");

j5.setBounds(420,155,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(570,155,150,20);

t5.setBorder(null);

t5.setFont(f4);

frm.add(t5);

t5.setEditable(false);

j6=new JLabel("Salary");

j6.setBounds(420,195,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(570,195,150,20);

t6.setBorder(null);

t6.setFont(f4);

frm.add(t6);

t6.setEditable(false);

j7=new JLabel("Allowance Info:");

j7.setBounds(40,270,150,25);

j7.setFont(f5);

j7.setForeground(clr);

frm.add(j7);

jper=new JLabel("Percentage%",SwingConstants.LEFT);

jper.setBounds(270,290,110,30);

jper.setFont(f4);

jper.setForeground(Color.WHITE);

frm.add(jper);

jamt=new JLabel("Amount(Rs)",SwingConstants.LEFT);

jamt.setBounds(370,290,110,30);

jamt.setFont(f4);

jamt.setForeground(Color.WHITE);

frm.add(jamt);

j8=new JLabel("HRA");

j8.setBounds(150,320,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

thra=new JTextField();

thra.setBounds(270,320,50,20);

thra.setBorder(null);

thra.setFont(f4);

frm.add(thra);

thra.setEnabled(false);

thra1=new JTextField();

thra1.setBounds(370,320,100,20);

thra1.setBorder(null);

thra1.setFont(f4);

frm.add(thra1);

thra1.setEnabled(false);

j9=new JLabel("DA");

j9.setBounds(150,360,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

tda=new JTextField();

tda.setBounds(270,360,50,20);

tda.setBorder(null);

tda.setFont(f4);

frm.add(tda);

tda.setEnabled(false);

tda1=new JTextField();

tda1.setBounds(370,360,100,20);

tda1.setBorder(null);

tda1.setFont(f4);

frm.add(tda1);

tda1.setEnabled(false);

j10=new JLabel("TA");

j10.setBounds(150,400,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

tta=new JTextField();

tta.setBounds(270,400,50,20);

tta.setBorder(null);

tta.setFont(f4);

frm.add(tta);

tta.setEnabled(false);

tta1=new JTextField();

tta1.setBounds(370,400,100,20);

tta1.setBorder(null);

tta1.setFont(f4);

frm.add(tta1);

tta1.setEnabled(false);

ltotal=new JLabel("Total Allowance");

ltotal.setBounds(540,320,150,20);

ltotal.setFont(f1);

ltotal.setForeground(clr);

frm.add(ltotal);

ttotal=new JTextField();

ttotal.setBounds(540,350,150,20);

ttotal.setBorder(null);

ttotal.setBackground(clr1);

ttotal.setForeground(Color.WHITE);

ttotal.setFont(f1);

frm.add(ttotal);

ttotal.setEnabled(false);

b1=new JButton(img1);

b1.setBounds(350,110,30,30);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b2=new JButton("Calculate");

b2.setBounds(350,450,100,30);

b2.setBackground(clr);

b2.setFont(f1);

b2.setBorder(null);

frm.add(b2);

b2.setEnabled(true);

b3=new JButton("SAVE");

b3.setBounds(570,390,100,30);

b3.setBackground(clr);

b2.setFont(f1);

b3.setBorder(null);

frm.add(b3);

b3.setEnabled(true);

b4=new JButton("EDIT");

b4.setBounds(200,450,100,30);

b4.setBackground(clr);

b4.setFont(f1);

b4.setBorder(null);

frm.add(b4);

b4.setEnabled(true);

b5=new JButton(img5);

b5.setBounds(700,30,40,40);

b5.setBackground(clr1);

b5.setBorder(null);

frm.add(b5);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select f.First\_Name,f.Last\_Name,f.Designation,f.Department, f.Joining\_Date,f.Salary,s.HRA\_per,s.DRA\_per,s.TA\_per,s.HRA,s.DRA,s.TA, s.Total\_Allow from FacultyDetails f, Salary1 s where f.ID=s.ID1 and ID="+t1.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name")+" "+(res.getString("Last\_Name")));

t3.setText(res.getString("Designation"));

t4.setText(res.getString("Department"));

t5.setText(res.getString("Joining\_Date"));

t6.setText(res.getString("Salary"));

thra.setText(res.getString("HRA\_per"));

tda.setText(res.getString("DRA\_per"));

tta.setText(res.getString("TA\_per"));

thra1.setText(res.getString("HRA"));

tda1.setText(res.getString("DRA"));

tta1.setText(res.getString("TA"));

ttotal.setText(res.getString("Total\_Allow"));

thra.setEnabled(false);

tda.setEnabled(false);

tta.setEnabled(false);

b2.setEnabled(false);

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Please Enter Correct ID");

}

}

if(e.getSource()==b2)

{

if((thra.getText().toString().length()==0)||(tda.getText().toString().length()==0)||(tta.getText().toString().length()==0))

{

JOptionPane.showMessageDialog(null, "Please Fill all Fields");

}

else

{

thra1.setEnabled(true);

thra1.setEditable(false);

tda1.setEnabled(true);

tda1.setEditable(false);

tta1.setEnabled(true);

tta1.setEditable(false);

int hra;

hra = Integer.parseInt(t6.getText());

int hr1;

hr1=hra\*Integer.parseInt(thra.getText())/100;

thra1.setText(Integer.toString(hr1));

int da;

da = Integer.parseInt(t6.getText());

int d1;

d1=da\*Integer.parseInt(tda.getText())/100;

tda1.setText(Integer.toString(d1));

int ttta;

ttta = Integer.parseInt(t6.getText());

int ttta1;

ttta1=ttta\*Integer.parseInt(tta.getText())/100;

tta1.setText(Integer.toString(ttta1));

ttotal.setText(Integer.toString(hr1+d1+ttta1));

}

}

if(e.getSource()==b3)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection c=DriverManager.getConnection("jdbc:odbc:fclty");

Statement st=c.createStatement();

String qr="update Salary1 set HRA\_per='"+thra.getText()+"', DRA\_per='"+tda.getText()+"', TA\_per='"+tta.getText()+"', HRA='"+thra1.getText()+"', DRA='"+tda1.getText()+"',TA='"+tta1.getText()+"', Total\_Allow='"+ttotal.getText()+"' where ID1="+t1.getText();

st.executeUpdate(qr);

JOptionPane.showMessageDialog(null, "Successfully Saved");

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Format Mismatch");

}

}

if(e.getSource()==b4)

{

t6.setEditable(true);

thra.setEnabled(true);

tda.setEnabled(true);

tta.setEnabled(true);

b2.setEnabled(true);

}

if(e.getSource()==b5)

{

frm.getContentPane().removeAll();

frm.repaint();

BasicSalary b=new BasicSalary();

}

}

}

EditIncentive i=new EditIncentive();

}

if(bb.getSource()==bleave)

{

frm.getContentPane().removeAll();

frm.repaint();

**// Add Leave………………………………………………**

class LeaveDeduction implements ActionListener

{

JLabel j1, j2, j3, j4, j5, j6, j7, j8, j9, j10, jper, jamt, ltotal, limg, ltitle;

JTextField t1, t2, t3, t4, t5, t6, tabs, tabs1, tcas, tcas1, tsic, tsic1, ttotal;

JButton b1, b2, b3, b5;

Font f, f1, f2, f3, f4, f5;

ImageIcon img1, img2, img5;

public LeaveDeduction()

{

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

f5=new Font("Times New Roman",Font.PLAIN, 22);

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon18.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon20.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

limg=new JLabel(img2);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("ADD LEAVE");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("ID");

j1.setBounds(40,115,110,20);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190, 115, 150, 20);

t1.setBorder(null);

t1.setFont(f4);

frm.add(t1);

j2=new JLabel("Name");

j2.setBounds(40,155,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190, 155, 150, 20);

t2.setBorder(null);

t2.setFont(f4);

frm.add(t2);

t2.setEnabled(false);

j3=new JLabel("Designation");

j3.setBounds(40,195,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,195,150,20);

t3.setBorder(null);

t3.setFont(f4);

frm.add(t3);

t3.setEnabled(false);

j4=new JLabel("Department");

j4.setBounds(420,115,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JTextField();

t4.setBounds(570,115,150,20);

t4.setBorder(null);

t4.setFont(f4);

frm.add(t4);

t4.setEnabled(false);

j5=new JLabel("Date of Join");

j5.setBounds(420,155,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(570,155,150,20);

t5.setBorder(null);

t5.setFont(f4);

frm.add(t5);

t5.setEnabled(false);

j6=new JLabel("Salary");

j6.setBounds(420,195,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(570,195,150,20);

t6.setBorder(null);

t6.setFont(f4);

frm.add(t6);

j7=new JLabel("Leave Info:");

j7.setBounds(40,270,150,25);

j7.setFont(f2);

j7.setForeground(clr);

frm.add(j7);

jper=new JLabel("Total Leave",SwingConstants.LEFT);

jper.setBounds(270,290,110,30);

jper.setFont(f4);

jper.setForeground(Color.WHITE);

frm.add(jper);

jamt=new JLabel("Amount(Rs)",SwingConstants.LEFT);

jamt.setBounds(370,290,110,30);

jamt.setFont(f4);

jamt.setForeground(Color.WHITE);

frm.add(jamt);

j8=new JLabel("Absent");

j8.setBounds(150,320,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

tabs=new JTextField();

tabs.setBounds(270,320,50,20);

tabs.setBorder(null);

tabs.setFont(f4);

frm.add(tabs);

tabs.setEnabled(false);

tabs1=new JTextField();

tabs1.setBounds(370,320,100,20);

tabs1.setBorder(null);

tabs1.setFont(f4);

frm.add(tabs1);

tabs1.setEnabled(false);

j9=new JLabel("Casual");

j9.setBounds(150,360,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

tcas=new JTextField();

tcas.setBounds(270,360,50,20);

tcas.setBorder(null);

tcas.setFont(f4);

frm.add(tcas);

tcas.setEnabled(false);

tcas1=new JTextField();

tcas1.setBounds(370,360,100,20);

tcas1.setBorder(null);

tcas1.setFont(f4);

frm.add(tcas1);

tcas1.setEnabled(false);

j10=new JLabel("Sickness");

j10.setBounds(150,400,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

tsic=new JTextField();

tsic.setBounds(270,400,50,20);

tsic.setBorder(null);

tsic.setFont(f4);

frm.add(tsic);

tsic.setEnabled(false);

tsic1=new JTextField();

tsic1.setBounds(370,400,100,20);

tsic1.setBorder(null);

tsic1.setFont(f4);

frm.add(tsic1);

tsic1.setEnabled(false);

ltotal=new JLabel("Total Deduction");

ltotal.setBounds(540,320,150,20);

ltotal.setFont(f1);

ltotal.setForeground(clr);

frm.add(ltotal);

ttotal=new JTextField();

ttotal.setBounds(540,350,150,20);

ttotal.setBorder(null);

ttotal.setBackground(clr1);

ttotal.setForeground(Color.WHITE);

ttotal.setFont(f1);

frm.add(ttotal);

ttotal.setEnabled(false);

b1=new JButton(img1);

b1.setBounds(350,110,30,30);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b2=new JButton("Calculate");

b2.setBounds(350,450,100,30);

b2.setBackground(clr);

b2.setBorder(null);

b2.setFont(f1);

frm.add(b2);

b2.setEnabled(true);

b3=new JButton("SAVE");

b3.setBounds(570,390,100,30);

b3.setBackground(clr);

b3.setBorder(null);

b3.setFont(f1);

frm.add(b3);

b3.setEnabled(true);

b5=new JButton(img5);

b5.setBounds(700,30,40,40);

b5.setBackground(clr1);

b5.setBorder(null);

frm.add(b5);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b5.addActionListener(this);

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

ResultSet rs=state.executeQuery("select MAX(ID2) from Leave");

if(rs.next())

{

int id=Integer.parseInt(rs.getString(1));

id++;

t1.setText(String.valueOf(id));

}

}

catch(Exception a)

{

System.out.println(a);

}

t1.setEnabled(false);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select \* from FacultyDetails where ID="+t1.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name")+" "+res.getString("Last\_Name"));

t3.setText(res.getString("Designation"));

t4.setText(res.getString("Department"));

t5.setText(res.getString("Joining\_Date"));

t6.setText(res.getString("Salary"));

tabs.setEnabled(true);

tcas.setEnabled(true);

tsic.setEnabled(true);

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Please Enter Correct ID");

}

}

if(e.getSource()==b2)

{

if((tabs.getText().toString().length()==0)||(tcas.getText().toString().length()==0)||(tsic.getText().toString().length()==0))

{

JOptionPane.showMessageDialog(null, "Please Fill all Fields");

}

else

{

tabs1.setEnabled(true);

tabs1.setEditable(false);

tcas1.setEnabled(true);

tcas1.setEditable(false);

tsic1.setEnabled(true);

tsic1.setEditable(false);

int hra;

hra = Integer.parseInt(t6.getText());

int hr1;

hr1=hra\*3\*Integer.parseInt(tabs.getText())/100;

tabs1.setText(Integer.toString(hr1));

int da;

da = Integer.parseInt(t6.getText());

int d1;

d1=da\*2\*Integer.parseInt(tcas.getText())/100;

tcas1.setText(Integer.toString(d1));

int ttta;

ttta = Integer.parseInt(t6.getText());

int ttta1;

ttta1=ttta\*1\*Integer.parseInt(tsic.getText())/100;

tsic1.setText(Integer.toString(ttta1));

ttotal.setText(Integer.toString(hr1+d1+ttta1));

}

}

if(e.getSource()==b3)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection c=DriverManager.getConnection("jdbc:odbc:fclty");

Statement st=c.createStatement();

String qr="insert into Leave values("+Integer.parseInt(t1.getText())+", "+Integer.parseInt(tabs.getText())+", "+Integer.parseInt(tcas.getText())+", "+Integer.parseInt(tsic.getText())+","+Integer.parseInt(tabs1.getText())+", "+Integer.parseInt(tcas1.getText())+", "+Integer.parseInt(tsic1.getText())+", "+Integer.parseInt(ttotal.getText())+")";

st.executeUpdate(qr);

JOptionPane.showMessageDialog(null, "Successfully Saved");

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Format Mismatch");

}

}

if(e.getSource()==b5)

{

frm.getContentPane().removeAll();

frm.repaint();

BasicSalary b=new BasicSalary();

}

}

}

LeaveDeduction l=new LeaveDeduction();

}

if(bb.getSource()==eleave)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Edit Leave………………………………………………**

class EditLeave implements ActionListener

{

JLabel j1, j2, j3, j4, j5, j6, j7, j8, j9, j10, jper, jamt, ltotal, limg, ltitle;

JTextField t1, t2, t3, t4, t5, t6, tabs, tabs1, tcas, tcas1, tsic, tsic1, ttotal;

JButton b1, b2, b3, b4, b5;

Font f, f1, f2, f3, f4, f5;

ImageIcon img1, img2, img5;

public EditLeave()

{

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

f5=new Font("Times New Roman",Font.PLAIN, 22);

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon18.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon20.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

limg=new JLabel(img2);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("EDIT LEAVE");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("ID");

j1.setBounds(40,115,110,20);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190, 115, 150, 20);

t1.setBorder(null);

t1.setFont(f4);

frm.add(t1);

j2=new JLabel("Name");

j2.setBounds(40,155,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190, 155, 150, 20);

t2.setBorder(null);

t2.setFont(f4);

frm.add(t2);

t2.setEditable(false);

j3=new JLabel("Designation");

j3.setBounds(40,195,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,195,150,20);

t3.setBorder(null);

t3.setFont(f4);

frm.add(t3);

t3.setEditable(false);

j4=new JLabel("Department");

j4.setBounds(420,115,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JTextField();

t4.setBounds(570,115,150,20);

t4.setBorder(null);

t4.setFont(f4);

frm.add(t4);

t4.setEditable(false);

j5=new JLabel("Date of Join");

j5.setBounds(420,155,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(570,155,150,20);

t5.setBorder(null);

t5.setFont(f4);

frm.add(t5);

t5.setEditable(false);

j6=new JLabel("Salary");

j6.setBounds(420,195,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(570,195,150,20);

t6.setBorder(null);

t6.setFont(f4);

frm.add(t6);

t6.setEditable(false);

j7=new JLabel("Leave Info:");

j7.setBounds(40,270,150,25);

j7.setFont(f2);

j7.setForeground(clr);

frm.add(j7);

jper=new JLabel("Total Leave",SwingConstants.LEFT);

jper.setBounds(270,290,110,30);

jper.setFont(f4);

jper.setForeground(Color.WHITE);

frm.add(jper);

jamt=new JLabel("Amount(Rs)",SwingConstants.LEFT);

jamt.setBounds(370,290,110,30);

jamt.setFont(f4);

jamt.setForeground(Color.WHITE);

frm.add(jamt);

j8=new JLabel("Absent");

j8.setBounds(150,320,110,20);

j8.setFont(f1);

j8.setForeground(Color.WHITE);

frm.add(j8);

tabs=new JTextField();

tabs.setBounds(270,320,50,20);

tabs.setBorder(null);

tabs.setFont(f4);

frm.add(tabs);

tabs.setEnabled(false);

tabs1=new JTextField();

tabs1.setBounds(370,320,100,20);

tabs1.setBorder(null);

tabs1.setFont(f4);

frm.add(tabs1);

tabs1.setEnabled(false);

j9=new JLabel("Casual");

j9.setBounds(150,360,110,20);

j9.setFont(f1);

j9.setForeground(Color.WHITE);

frm.add(j9);

tcas=new JTextField();

tcas.setBounds(270,360,50,20);

tcas.setBorder(null);

tcas.setFont(f4);

frm.add(tcas);

tcas.setEnabled(false);

tcas1=new JTextField();

tcas1.setBounds(370,360,100,20);

tcas1.setBorder(null);

tcas1.setFont(f4);

frm.add(tcas1);

tcas1.setEnabled(false);

j10=new JLabel("Sickness");

j10.setBounds(150,400,110,20);

j10.setFont(f1);

j10.setForeground(Color.WHITE);

frm.add(j10);

tsic=new JTextField();

tsic.setBounds(270,400,50,20);

tsic.setBorder(null);

tsic.setFont(f4);

frm.add(tsic);

tsic.setEnabled(false);

tsic1=new JTextField();

tsic1.setBounds(370,400,100,20);

tsic1.setBorder(null);

tsic1.setFont(f4);

frm.add(tsic1);

tsic1.setEnabled(false);

ltotal=new JLabel("Total Deduction");

ltotal.setBounds(540,320,150,20);

ltotal.setFont(f1);

ltotal.setForeground(clr);

frm.add(ltotal);

ttotal=new JTextField();

ttotal.setBounds(540,350,150,20);

ttotal.setBorder(null);

ttotal.setBackground(clr1);

ttotal.setForeground(Color.WHITE);

ttotal.setFont(f1);

frm.add(ttotal);

ttotal.setEnabled(false);

b1=new JButton(img1);

b1.setBounds(350,110,30,30);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b2=new JButton("Calculate");

b2.setBounds(350,450,100,30);

b2.setBackground(clr);

b2.setBorder(null);

b2.setFont(f1);

frm.add(b2);

b2.setEnabled(true);

b3=new JButton("SAVE");

b3.setBounds(570,390,100,30);

b3.setBackground(clr);

b3.setBorder(null);

b3.setFont(f1);

frm.add(b3);

b3.setEnabled(true);

b4=new JButton("EDIT");

b4.setBounds(200,450,100,30);

b4.setBackground(clr);

b4.setFont(f1);

b4.setBorder(null);

frm.add(b4);

b4.setEnabled(true);

b5=new JButton(img5);

b5.setBounds(700,30,40,40);

b5.setBackground(clr1);

b5.setBorder(null);

frm.add(b5);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select f.First\_Name, f.Last\_Name, f.Designation, f.Department, f.Joining\_Date, f.Salary, l.Absent, l.Casual, l.Sickness, l.Absent\_Am, l.Casual\_Am, l.Sickness\_Am, l.Total\_Am from FacultyDetails f, Leave l where f.ID=l.ID2 and ID="+t1.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name")+" "+(res.getString("Last\_Name")));

t3.setText(res.getString("Designation"));

t4.setText(res.getString("Department"));

t5.setText(res.getString("Joining\_Date"));

t6.setText(res.getString("Salary"));

tabs.setText(res.getString("Absent"));

tcas.setText(res.getString("Casual"));

tsic.setText(res.getString("Sickness"));

tabs1.setText(res.getString("Absent\_Am"));

tcas1.setText(res.getString("Casual\_Am"));

tsic1.setText(res.getString("Sickness\_Am"));

ttotal.setText(res.getString("Total\_Am"));

tabs.setEnabled(false);

tcas.setEnabled(false);

tsic.setEnabled(false);

b2.setEnabled(false);

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Please Enter Correct ID");

}

}

if(e.getSource()==b2)

{

if((tabs.getText().toString().length()==0)||(tcas.getText().toString().length()==0)||(tsic.getText().toString().length()==0))

{

JOptionPane.showMessageDialog(null, "Please Fill all Fields");

}

else

{

tabs1.setEnabled(true);

tabs1.setEditable(false);

tcas1.setEnabled(true);

tcas1.setEditable(false);

tsic1.setEnabled(true);

tsic1.setEditable(false);

int hra;

hra = Integer.parseInt(t6.getText());

int hr1;

hr1=hra\*3\*Integer.parseInt(tabs.getText())/100;

tabs1.setText(Integer.toString(hr1));

int da;

da = Integer.parseInt(t6.getText());

int d1;

d1=da\*2\*Integer.parseInt(tcas.getText())/100;

tcas1.setText(Integer.toString(d1));

int ttta;

ttta = Integer.parseInt(t6.getText());

int ttta1;

ttta1=ttta\*1\*Integer.parseInt(tsic.getText())/100;

tsic1.setText(Integer.toString(ttta1));

ttotal.setText(Integer.toString(hr1+d1+ttta1));

}

}

if(e.getSource()==b3)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection c=DriverManager.getConnection("jdbc:odbc:fclty");

Statement st=c.createStatement();

String qr="update Leave set Absent='"+tabs.getText()+"', Casual='"+tcas.getText()+"', Sickness='"+tsic.getText()+"', Absent\_Am='"+tabs1.getText()+"', Casual\_Am='"+tcas1.getText()+"',Sickness\_Am='"+tsic1.getText()+"', Total\_Am='"+ttotal.getText()+"' where ID2="+t1.getText();

st.executeUpdate(qr);

JOptionPane.showMessageDialog(null, "Successfully Saved");

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Format Mismatch");

}

}

if(e.getSource()==b4)

{

t6.setEditable(true);

tabs.setEnabled(true);

tcas.setEnabled(true);

tsic.setEnabled(true);

b2.setEnabled(true);

}

if(e.getSource()==b5)

{

frm.getContentPane().removeAll();

frm.repaint();

BasicSalary b=new BasicSalary();

}

}

}

EditLeave el=new EditLeave();

}

if(bb.getSource()==bresult)

{

frm.getContentPane().removeAll();

frm.repaint();

**//Total Salary………………………………………………**

class Salaryresult implements ActionListener

{

JLabel j1, j2, j3, j4, j5, j6, jallow, jdeduc, jtotal, limg, ltitle;

JTextField t1, t2, t3, t4, t5, t6, tallow, tdeduc, ttotal;

JButton b1, b2, b5;

Font f, f1, f2, f3, f4, f5;

ImageIcon img1, img2, img5;

public Salaryresult()

{

f=new Font("Times New Roman",Font.PLAIN, 50);

f1=new Font("Times New Roman",Font.PLAIN, 18);

f2=new Font("Times New Roman",Font.PLAIN, 20);

f3=new Font("Century Gothic",Font.PLAIN, 17);

f4=new Font("Century Gothic",Font.BOLD, 12);

f5=new Font("Times New Roman",Font.PLAIN, 22);

img1=new ImageIcon("e:\\Faculty Management\\Icons\\icon18.png");

img2=new ImageIcon("e:\\Faculty Management\\Icons\\icon20.png");

img5=new ImageIcon("e:\\Faculty Management\\Icons\\icon14.png");

limg=new JLabel(img2);

limg.setBounds(40,30,50,50);

frm.add(limg);

ltitle=new JLabel("TOTAL SALARY");

ltitle.setBounds(120,30,600,50);

ltitle.setFont(f);

ltitle.setForeground(clr);

frm.add(ltitle);

j1=new JLabel("ID");

j1.setBounds(40,115,110,20);

j1.setFont(f1);

j1.setForeground(Color.WHITE);

frm.add(j1);

t1=new JTextField();

t1.setBounds(190, 115, 150, 20);

t1.setBorder(null);

t1.setFont(f4);

frm.add(t1);

j2=new JLabel("Name");

j2.setBounds(40,155,110,20);

j2.setFont(f1);

j2.setForeground(Color.WHITE);

frm.add(j2);

t2=new JTextField();

t2.setBounds(190, 155, 150, 20);

t2.setBorder(null);

t2.setFont(f4);

frm.add(t2);

t2.setEditable(false);

j3=new JLabel("Designation");

j3.setBounds(40,195,110,20);

j3.setFont(f1);

j3.setForeground(Color.WHITE);

frm.add(j3);

t3=new JTextField();

t3.setBounds(190,195,150,20);

t3.setBorder(null);

t3.setFont(f4);

frm.add(t3);

t3.setEditable(false);

j4=new JLabel("Department");

j4.setBounds(420,115,110,20);

j4.setFont(f1);

j4.setForeground(Color.WHITE);

frm.add(j4);

t4=new JTextField();

t4.setBounds(570,115,150,20);

t4.setBorder(null);

t4.setFont(f4);

frm.add(t4);

t4.setEditable(false);

j5=new JLabel("Date of Join");

j5.setBounds(420,155,110,20);

j5.setFont(f1);

j5.setForeground(Color.WHITE);

frm.add(j5);

t5=new JTextField();

t5.setBounds(570,155,150,20);

t5.setBorder(null);

t5.setFont(f4);

frm.add(t5);

t5.setEditable(false);

j6=new JLabel("Salary");

j6.setBounds(420,195,110,20);

j6.setFont(f1);

j6.setForeground(Color.WHITE);

frm.add(j6);

t6=new JTextField();

t6.setBounds(570,195,150,20);

t6.setBorder(null);

t6.setFont(f4);

frm.add(t6);

t6.setEditable(false);

jallow=new JLabel("Total Allowance");

jallow.setBounds(250,270,150,20);

jallow.setFont(f1);

jallow.setForeground(Color.WHITE);

frm.add(jallow);

tallow=new JTextField();

tallow.setBounds(400,270,100,20);

tallow.setBorder(null);

tallow.setFont(f4);

frm.add(tallow);

tallow.setEditable(false);

jdeduc=new JLabel("Total Deduction");

jdeduc.setBounds(250,310,150,20);

jdeduc.setFont(f1);

jdeduc.setForeground(Color.WHITE);

frm.add(jdeduc);

tdeduc=new JTextField();

tdeduc.setBounds(400,310,100,20);

tdeduc.setBorder(null);

tdeduc.setFont(f4);

frm.add(tdeduc);

tdeduc.setEditable(false);

jtotal=new JLabel("Total Salary");

jtotal.setBounds(250,350,150,20);

jtotal.setFont(f1);

jtotal.setForeground(Color.WHITE);

frm.add(jtotal);

ttotal=new JTextField();

ttotal.setBounds(400,350,100,20);

ttotal.setBorder(null);

ttotal.setFont(f4);

frm.add(ttotal);

ttotal.setEditable(false);

b1=new JButton(img1);

b1.setBounds(450,400,30,30);

b1.setBackground(clr1);

b1.setBorder(null);

frm.add(b1);

b5=new JButton(img5);

b5.setBounds(700,30,40,40);

b5.setBackground(clr1);

b5.setBorder(null);

frm.add(b5);

b1.addActionListener(this);

b5.addActionListener(this);

}

public void actionPerformed(ActionEvent ee)

{

if(ee.getSource()==b1)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select f.First\_Name, f.Last\_Name, f.Designation, f.Department, f.Joining\_Date, f.Salary, s.Total\_Allow, l.Total\_Am from FacultyDetails f, Salary1 s, Leave l where f.ID=s.ID1 and f.ID=l.ID2 and ID="+t1.getText();

ResultSet res=state.executeQuery(q);

if(!res.next())

{

JOptionPane.showMessageDialog(null, "Not Found");

}

else

{

t2.setText(res.getString("First\_Name")+" "+(res.getString("Last\_Name")));

t3.setText(res.getString("Designation"));

t4.setText(res.getString("Department"));

t5.setText(res.getString("Joining\_Date"));

t6.setText(res.getString("Salary"));

tallow.setText(res.getString("Total\_Allow"));

tdeduc.setText(res.getString("Total\_Am"));

int al=Integer.parseInt(tallow.getText());

int de=Integer.parseInt(tdeduc.getText());

int tt=Integer.parseInt(t6.getText());

int total1=tt+al-de;

ttotal.setText(Integer.toString(total1));

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null, "Please Enter Correct ID");

}

}

if(ee.getSource()==b5)

{

frm.getContentPane().removeAll();

frm.repaint();

BasicSalary b=new BasicSalary();

}

}

}

Salaryresult rs=new Salaryresult();

}

if(bb.getSource()==bexit)

{

frm.dispose();

}

if(bb.getSource()==b)

{

frm.getContentPane().removeAll();

frm.repaint();

Mainform m=new Mainform();

}

}

}

BasicSalary b=new BasicSalary();

}

if(e.getSource()==j3)

{

frm.getContentPane().removeAll();

frm.repaint();

frm.setLayout(new GridLayout());

**//Report………………………………………………**

class Report

{

JTable jt;

DefaultTableModel m;

JScrollPane pane;

JPanel j;

public Report()

{

m=new DefaultTableModel(0,12);

jt= new JTable(m);

String header[]={"ID","Name","Gender","Birth Date","Address","Joining Date","Phone No","Qualification","Salary","Department","Email ID","Designation"};

pane = new JScrollPane(jt, JScrollPane.VERTICAL\_SCROLLBAR\_AS\_NEEDED,JScrollPane.HORIZONTAL\_SCROLLBAR\_AS\_NEEDED);

jt.setPreferredScrollableViewportSize(new Dimension(700,450));

jt.setFillsViewportHeight(true);

jt.setShowGrid(true);

jt.setAutoscrolls(true);

m.setColumnIdentifiers(header);

frm.add(pane);

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection con=DriverManager.getConnection("jdbc:odbc:fclty");

Statement state=con.createStatement();

String q="select \* from FacultyDetails";

ResultSet res=state.executeQuery(q);

while(res.next())

{

String s1=res.getString("ID");

String s2=res.getString("First\_Name")+" "+res.getString("Last\_Name");

String s3=res.getString("Gender");

String s4=res.getString("Date\_of\_Birth");

String s5=res.getString("Address");

String s6=res.getString("Joining\_Date");

String s7=res.getString("Phone\_No");

String s8=res.getString("Qualification");

String s9=res.getString("Salary");

String s10=res.getString("Department");

String s11=res.getString("Email\_ID");

String s12=res.getString("Designation");

m.addRow(new Object[] {s1, s2, s3, s4, s5, s6, s7, s8, s9, s10, s11, s12});

}

}

catch(Exception obj)

{

JOptionPane.showMessageDialog(null,obj.getMessage());

}

}

}

Report r=new Report();

}

if(e.getSource()==j4)

{

frm.dispose();

}

}

}

Mainform m=new Mainform();

}

}

catch(Exception aa)

{

JOptionPane.showMessageDialog(null,aa.getMessage());

}

}

if(a.getSource()==chkshow)

{

tpass.setEchoChar((char)0);

}

if(a.getSource()==exit)

{

System.exit(0);

}

}

}

Login l=new Login();

}

}

}

**//Main Class………………………………………………**

class Faculty1

{

public static void main(String arg[])

{

Welcome w=new Welcome();

}

}

**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 satisfying all the requirements of the faculty. The objective of software planning is to provide a frame work that enables the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

**Future Scope**

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding:

* We can add printer in future.
* We can give more advance software for Faculty Management System including more facilities.
* We will host the platform on online servers to make it accessible worldwide.

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them.

In the last we would like to thanks all the persons involved in the development of the system directly or indirectly. We hope that the project will server its purpose for which it is develop there by underlining success of process.

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