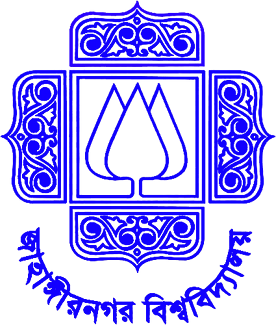
**INSTITUTE OF INFORMATION TECHNOLOGY**

**JAHNGIRNAGAR UNIVERSITY**

Savar,Dhaka-1320



Course Title: PROJECT SUPERVISION

Course Code: IT 300

Project Title: Personnel Maintenance System

Project Supervisor: Md. Fazlul Karim Patwary

Associate Professor

IIT, JU

Signature:

**Submitted By:**

Name Roll

1.Ahmed Abdal Shafi Rasel 837

2.Abu Sayed Islam 845

3. Md. Torikur rahman 861

4.Kazi Moinul Hossain 862

5.Syed Abdullah Maaz 2041

6.Md. Anwar Hossain 2237

Submission Date: 14th June,2012

**Project dedication**

To our 🡪

BELOVED Parents & RESPECTED Teachers

**ABSTARCT**

This project named “Personnel Maintenance System” is used to keep maintenance of all the needed information of a company’s employees. The project is written in JAVA programming language. We have used the Jframe form from the Swing GUI forms. The project provides Admin with the privilege to Update or, Delete information of employees. The others may inquire for a certain ID. The code is connected to Database system for information storage. The project will be helpful in maintaining a personnel database for a typical company.

**INDEX**

|  |  |  |
| --- | --- | --- |
| Serial No. | Contents | Page No. |
| 01 | Introduction |  |
| 02 | Methodology |  |
| 03 | Requirement |  |
| 04 | Flowchart |  |
| 05 | Code and Code Analysis |  |
| 06 | Screen Shot |  |
| 07 | Future Plan |  |
| 08 | Conclusion |  |
| 09 | Reference |  |

**Introduction**

Today’s business companies are much more sophisticated in terms of their maintenance of their financial and personnel information. That’s why the need for using software based maintenance system has increased. In this project as beginners in JAVA language we have provided with a project that would be helpful in maintenance system of a general company.

This project provides database management of information. We can keep all the needed information like ID no,name,age,contact name,designation etc. Only admins are given the privilege to Update or, Delete from a person’s information. The accessibility is also password protected. This project includes three main type of operations: Insertion of a new employee’s information, Inquiry of stored employee, Update/Deletion of a employee’s information. As the project is made using Jframe form of JAVA, it is also quite flexible to modify for certain purpose.

**Methodology**

The project is completed through some well planned methodological steps. The fundamental steps are given below:

**1.Requirements analysis and definitions**: The project’s service, constraints and goals are established by consultations of system’s core users.

**2.Algorithm and Flowchart formation**: The project’s main outline is then made formal by creating algorithms and flowcharts.

**3.Subdividing project by modules**: As a group project the project is then subdivided and each project member is asked finalize his assignment.

**4.Implementation as a whole:** After the required work had been done, the project is implemented as whole and edited for any further improvement.

**5.Documentation**: Given all the required steps being completed the project is documented for presentation and the project report is made complete.

In the whole process we have been assisted by our teachers especially our project supervisor.

**Requirements**

1.Java Compiler(Netbeans/eclipse)

2.Database Editor

3.Java Virtual Machine

FLOWCHART

WelcomeScreen

If exit

If admin

If others

No Yes No

Yes

Login/Admin

Login/Others

Yes Yes

If(ID matches)

If (ID & Passwords match)

No No

choice

Inquiry

If exit

If insert

If updel

If inquiry

insert

Update/delete

inquiry

**Code and Code Analysis**

**public class WelcomeScreen**

public class WelcomeScreen extends javax.swing.JFrame {// Creates new form WelcomeScreen

public WelcomeScreen() { //WelcomeScreen method

setTitle("Welcome Screen"); //Screen title

initComponents(); //initializes components

}

private void adminButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==adminButton){

loginforadmin log=new loginforadmin();

log.setVisible(true); //show loginforadmin

}

setVisible(false); //hide previous frame

}

private void othersButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==othersButton){

Query qr=new Query();

qr.setVisible(true); //show Query

} //othersButton activator

setVisible(false); //hide previous frame

}

private void exitButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==exitButton){

System.exit(0);

} //exitButton activator

}

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen runner

public void run() {

new WelcomeScreen().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton adminButton;

private javax.swing.JButton exitButton;

private javax.swing.JLabel jLabel1;

private javax.swing.JButton othersButton;

// End of variables declaration

}

**Public class loginforadmin**

import javax.swing.JOptionPane; //For creating different message dialogue

public class loginforadmin extends javax.swing.JFrame { //Creates new form loginforadmin

String name="Moinul"; //Define administrator name

String password="admin"; //Define pasword

public loginforadmin() { //loginforadmin method

setTitle("Get Loggedin"); //Screen title

initComponents(); //Initializes components

}

private String String(String text) { //String method

throw new UnsupportedOperationException("Not yet implemented") //Exception handlingprinter

}

private void nameTextActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

nameText.setText(""); //set name in textfield

}

private void lginButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == lginButton) {

try {

if (name.equals(nameText.getText()) && password.equals(passText.getText())) {

Options opt = new Options();

opt.setVisible(true); //show Options screen

} //lginButton activator

else {

JOptionPane.showMessageDialog(null, "Incorrcet Combination of user name and password.Please try again", "Warning Message", JOptionPane.WARNING\_MESSAGE);

} //Message dialogue printer

}

catch (Exception x) { //Exception handling

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

}

}

setVisible(false); //hide previous frame

}

private void bckButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==bckButton){

WelcomeScreen wc=new WelcomeScreen();

wc.setVisible(true);

} //bckbutton activator

setVisible(false); //hide previous frame

}

private void passTextActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

passText.setText(""); //set password in textfield

}

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen Runner

public void run() {

new loginforadmin().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton bckButton;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JButton lginButton;

private javax.swing.JTextField nameText;

private javax.swing.JPasswordField passText;

// End of variables declaration

}

**public class Query**

import java.awt.Component; //Demonstrate label

import java.sql.Connection; //For database connection

import java.sql.DriverManager; //For loading driver manager

import java.sql.PreparedStatement; //For loading statements into database

import java.sql.ResultSet; //For Loading results into database

import java.sql.SQLException; //Database exception handler

import java.util.logging.Level; //For handling database exception

import java.util.logging.Logger; //same task

import javax.swing.JOptionPane; //For different message dialogue

public class Query extends javax.swing.JFrame { // Creates new form Query

private Component jframe;

public Query() { //Query method

initComponents(); //initializes component

}

private void lginButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

int id=Integer.parseInt(this.idField.getText());

if(evt.getSource()==lginButton){

Connection conection=null; //For implementing database

try {

try {

// TODO add your handling code here:

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver"); //Specifying driver

} catch (ClassNotFoundException ex) { //Exception handler

Logger.getLogger(MainScreen.class.getName()).log(Level.SEVERE, null, ex);

}

// connect to database

java.sql.Connection connection = DriverManager.getConnection("jdbc:odbc:Ps" );

// create Statement to query database

java.sql.Statement stmt = connection.createStatement();

ResultSet resultSet = null;

PreparedStatement statement = connection.prepareStatement("SELECT \* from persons where personnel\_id = "+Integer.parseInt(idField.getText()));

resultSet = statement.executeQuery();

if (resultSet.next()) {

MainScreen ms=new MainScreen();

ms.setVisible(true);

} //lginButton activator

else{

JOptionPane.showMessageDialog(null,"No match found"); //Message dialogue

}

} catch (SQLException ex) { //database exception handler

Logger.getLogger(MainScreen.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

private void bckButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == bckButton) {

WelcomeScreen wc = new WelcomeScreen();

wc.setVisible(true); //Show WelcomeScreen

} //bckButton activator

setVisible(false); //Hide previous frame

}

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen runner

public void run() {

new Query().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton bckButton;

private javax.swing.JPasswordField idField;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JButton lginButton;

// End of variables declaration

}

**public class Options**

import java.awt.event.WindowAdapter; //For adapting radio buttons

import java.awt.event.WindowEvent; //For activating radio buttons

import javax.swing.ButtonGroup; //For creating radio buttons

import javax.swing.JOptionPane; //For different message dialogue

public class Options extends javax.swing.JFrame { // Creates new form Options

public Options() { //Options method

setTitle("OPTIONS"); //Screen title

initComponents(); //initializes components

}

private void newentryButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(newentryButton.isSelected()){

NewEntry nen=new NewEntry();

nen.setVisible(true); //Show NewEntry

} //newentryButton activator

setVisible(false); //Hide Previous frame

}

private void inquiryButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(inquiryButton.isSelected()){

MainScreen ms=new MainScreen();

ms.setVisible(true); //show MainScreen

} //inquiryButton activator

setVisible(false); //Hide Previous frame

}

private void backButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==backButton){

loginforadmin lgin=new loginforadmin();

lgin.setVisible(true); //show loginforadmin

} //backButton activator

setVisible(false); //Hide Previous frame

}

private void cancelButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==cancelButton){

System.exit(0);

} //canceButton activator

setVisible(false); //Hide Previous frame

}

private void updelButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(updelButton.isSelected()){

updel up=new updel();

up.setVisible(true); //show updel

} //updelButton activator

setVisible(false); //Hide Previous frame

}

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen runner

public void run() {

new Options().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton backButton;

private javax.swing.JButton cancelButton;

private javax.swing.JRadioButton inquiryButton;

private javax.swing.JLabel jLabel1;

private javax.swing.JRadioButton newentryButton;

private javax.swing.JRadioButton updelButton;

// End of variables declaration

}

**public class NewEntry**

import java.awt.Component; //For demonstrating label

import java.beans.Statement; //For beans statements

import java.sql.Connection; //For connecting database

import java.sql.DriverManager; //For specifying driver manager

import javax.swing.JOptionPane; //For different message dialogue

import javax.swing.SwingConstants; //For creating swingconstants

import javax.swing.JFrame; //For creating new jframe

public class NewEntry extends javax.swing.JFrame {

private Component jframe; // Creates new form NewEntry

public NewEntry() { //NewEntry method

setTitle("New Info Inserter"); //Screen title

initComponents(); //initializes components

}

private void submitButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == submitButton) { // Confirm addition of information to database

int choice = JOptionPane.showConfirmDialog(jframe,"Add this information to the database?","Persons",JOptionPane.YES\_NO\_OPTION); //message dialogue

// If YES

if(choice == JOptionPane.YES\_OPTION) {

try { // load database driver class

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

// connect to database

java.sql.Connection connection = DriverManager.getConnection("jdbc:odbc:Ps" );

// create Statement to query database

java.sql.Statement statement = connection.createStatement();

// Add new acount to Master table

java.sql.Statement stmt = connection.createStatement();

stmt.executeUpdate( //Insertion of new data into database

"INSERT INTO persons(first\_name,last\_name,middle\_name,nickname,gender,maritalstatus,age,address,res\_phone\_no,off\_phone\_no,cell\_number,email\_address,company\_name,dept\_name)VALUES "+"('"

+firstnameText.getText()

+"','"+lastnameText.getText()

+"','"+middlenameText.getText()

+"','"+nicknameText.getText()

+"','"+genderText.getText()

+"','"+maritalstatusText.getText()

+"','"+ageText.getText()

+"','"+addressText.getText()

+"','"+res\_phone\_noText.getText()

+"','"+off\_phone\_noText.getText()

+"','"+cell\_numberText.getText()

+"','"+email\_addressText.getText()

+"','"+company\_nameText.getText()

+"','"+dptnameText.getText()

+"')");

JOptionPane.showMessageDialog(null,"Data Entered into Database Successfully");

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

//clearing all textfields

statement.close(); // Close statement

connection.close(); // Close connection

} // end try

// detect problems interacting with the database

catch ( java.sql.SQLException sqlException ) {

JOptionPane.showMessageDialog( null, sqlException.getMessage(), "Database Error",

JOptionPane.ERROR\_MESSAGE ); //message dialogue

System.exit( 1 );

}

catch ( ClassNotFoundException classNotFound ) { //Exception handling JOptionPane.showMessageDialog( null, classNotFound.getMessage(), "Driver Not Found",

JOptionPane.ERROR\_MESSAGE ); //message dialogue

System.exit( 1 );

}

}

// If NO

else{

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

}

}

}

private void clearButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here

if(evt.getSource()==clearButton){

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

//clearing all textfields

}

}

private void cancelButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==cancelButton){

System.exit(0);

} //cancelButton activator

}

private void backButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==backButton){

Options opt=new Options();

opt.setVisible(true); //Show Options

} //backButton activator

setVisible(false); //Hide frame

}

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen runner

public void run() {

new NewEntry().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JTextField addressText;

private javax.swing.JTextField ageText;

private javax.swing.JButton backButton;

private javax.swing.JButton cancelButton;

private javax.swing.JTextField cell\_numberText;

private javax.swing.JButton clearButton;

private javax.swing.JTextField company\_nameText;

private javax.swing.JTextField dptnameText;

private javax.swing.JTextField email\_addressText;

private javax.swing.JTextField firstnameText;

private javax.swing.JTextField genderText;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JTextField lastnameText;

private javax.swing.JTextField maritalstatusText;

private javax.swing.JTextField middlenameText;

private javax.swing.JTextField nicknameText;

private javax.swing.JTextField off\_phone\_noText;

private javax.swing.JTextField res\_phone\_noText;

private javax.swing.JButton submitButton;

// End of variables declaration

}

**public class updel**

import java.awt.Component; //For demonstrating label

import java.beans.Statement; //For beans statements

import java.sql.Connection; //For connecting database

import java.sql.DriverManager; //For specifying driver manager

import java.sql.PreparedStatement; //For loading statements into database

import java.sql.ResultSet; //For Loading results into database

import java.sql.SQLException; //Database exception handler

import java.util.logging.Level; //For handling database exception

import java.util.logging.Logger; //same task

import javax.swing.JOptionPane; //For different message dialogue

import javax.swing.SwingConstants; //For creating swingconstants

import javax.swing.JFrame; //For creating new jframe

public class updel extends javax.swing.JFrame { //Creates new form updel

private int id;

private Component jframe;

public updel() { //updel method

initComponents(); //initialize components

}

private void bckButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == bckButton) {

Options opt = new Options();

opt.setVisible(true); //Show Options

} //bckButton activator

setVisible(false); //Hide previous frame

}

private void showButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

id = Integer.parseInt(this.idText.getText());

if (evt.getSource() == showButton) {

Connection conection = null;

try {

try {

// TODO add your handling code here:

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver"); //Specifying driver

} catch (ClassNotFoundException ex) { //Exception handler

Logger.getLogger(MainScreen.class.getName()).log(Level.SEVERE, null, ex);

}

// connect to database

java.sql.Connection connection = DriverManager.getConnection("jdbc:odbc:Ps");

// create Statement to query database

java.sql.Statement stmt = connection.createStatement();

ResultSet resultSet = null;

PreparedStatement statement = connection.prepareStatement("SELECT \* from persons where personnel\_id = " + Integer.parseInt(idText.getText()));

resultSet = statement.executeQuery();

if (resultSet.next()) { //collecting informations from created database

firstnameText.setText(resultSet.getString(2));

lastnameText.setText(resultSet.getString(3));

middlenameText.setText(resultSet.getString(4));

nicknameText.setText(resultSet.getString(5));

genderText.setText(resultSet.getString(6));

maritalstatusText.setText(resultSet.getString(7));

ageText.setText(resultSet.getString(8));

addressText.setText(resultSet.getString(9));

res\_phone\_noText.setText(resultSet.getString(10));

off\_phone\_noText.setText(resultSet.getString(11));

cell\_numberText.setText(resultSet.getString(12));

email\_addressText.setText(resultSet.getString(13));

company\_nameText.setText(resultSet.getString(14));

dptnameText.setText(resultSet.getString(15));

} else {

JOptionPane.showMessageDialog(null, "No data found"); //Message dialogue

}

} catch (SQLException ex) { //database exception handler

Logger.getLogger(MainScreen.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

private void cancelButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == cancelButton) {

System.exit(0);

} //cancelButton activator

}

private void clearButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == clearButton) { //Clearing all the textfields

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

}

}

private void updatebuttonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == updatebutton) {

//Confirm addition of information to database

int choice = JOptionPane.showConfirmDialog(jframe, "Update this information to the database?", "persons", JOptionPane.YES\_NO\_OPTION); //Message dialogue

// If YES

if (choice == JOptionPane.YES\_OPTION) {

try {

// load database driver class

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

// connect to database

java.sql.Connection connection = DriverManager.getConnection("jdbc:odbc:Ps");

// create Statement to query database

java.sql.Statement stmt = connection.createStatement();

//Update of existing information

stmt.executeUpdate(" UPDATE persons SET "

+ "first\_name = '" + firstnameText.getText() + "',"

+ "last\_name = '" + lastnameText.getText() + "',"

+ "middle\_name = '" + middlenameText.getText() + "',"

+ "nickname= '" + nicknameText.getText() + "',"

+ "gender= '" + genderText.getText() + "',"

+ "maritalstatus='" + maritalstatusText.getText() + "',"

+ "age = '" + ageText.getText() + "',"

+ "address = '" + addressText.getText() + "',"

+ "res\_phone\_no= '" + res\_phone\_noText.getText() + "',"

+ "off\_phone\_no= '" + off\_phone\_noText.getText() + "',"

+ "cell\_number= '" + cell\_numberText.getText() + "',"

+ "email\_address= '" + email\_addressText.getText() + "',"

+ "company\_name= '" + company\_nameText.getText() + "',"

+ "dept\_name= '" + dptnameText.getText() + "'"

+ "WHERE personnel\_ID = " + idText.getText().toString());

JOptionPane.showMessageDialog(null, "Data Updated into Database Successfully");

stmt.close();

connection.close(); // Close connection

setVisible(true); // Hide frame

} //updateButton activator

// end try

// detect problems interacting with the database

catch (java.sql.SQLException sqlException) {

JOptionPane.showMessageDialog(null,

sqlException.getMessage(), "Database Error",

JOptionPane.ERROR\_MESSAGE); //Message dialogue

System.exit(1);

} catch (ClassNotFoundException classNotFound) { //Exception handler

JOptionPane.showMessageDialog(null,

classNotFound.getMessage(), "Driver Not Found",

JOptionPane.ERROR\_MESSAGE);

System.exit(1);

}

} // If NO

else { //Clearing all text fields

idText.setText("");

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

setVisible(false); // Hide Frame

}

}

}

private void delbuttonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==delbutton){

int choice = JOptionPane.showConfirmDialog(jframe,"delete this information to the database?","Student Information",JOptionPane.YES\_NO\_OPTION);//Message dialogue

// If YES

if(choice == JOptionPane.YES\_OPTION)

{

try {

// load MS Access driver

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

// Setup connection to DBMS

Connection conn = DriverManager.getConnection("jdbc:odbc:Ps");

// Create statement

java.sql.Statement stmt = conn.createStatement();

stmt.executeUpdate("DELETE FROM persons "+

" WHERE personnel\_ID = " + idText.getText().toString());//Deletion from database JOptionPane.showMessageDialog(null,"Data Deleted from Database Successfully");

//Clearing all text fields

idText.setText("");

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

stmt.close();

conn.close();

} catch (SQLException ex) { //Database exception handler

JOptionPane.showMessageDialog( null, ex.getMessage(), "Database Error",

JOptionPane.ERROR\_MESSAGE );

Logger.getLogger(updel.class.getName()).log(Level.SEVERE, null, ex);

} catch (ClassNotFoundException ex) { //Exception handler

Logger.getLogger(updel.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

}

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen runner

public void run() {

new updel().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JTextField addressText;

private javax.swing.JTextField ageText;

private javax.swing.JButton bckButton;

private javax.swing.JButton cancelButton;

private javax.swing.JTextField cell\_numberText;

private javax.swing.JButton clearButton;

private javax.swing.JTextField company\_nameText;

private javax.swing.JButton delbutton;

private javax.swing.JTextField dptnameText;

private javax.swing.JTextField email\_addressText;

private javax.swing.JTextField firstnameText;

private javax.swing.JTextField genderText;

private javax.swing.JTextField idText;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JTextField lastnameText;

private javax.swing.JTextField maritalstatusText;

private javax.swing.JTextField middlenameText;

private javax.swing.JTextField nicknameText;

private javax.swing.JTextField off\_phone\_noText;

private javax.swing.JTextField res\_phone\_noText;

private javax.swing.JButton showButton;

private javax.swing.JButton updatebutton;

// End of variables declaration

}

**public class MainScreen**

import java.sql.Connection; //For connecting database

import java.sql.DriverManager; //For specifying driver manager

import java.sql.PreparedStatement; //For loading statements into database

import java.sql.ResultSet; //For Loading results into database

import java.sql.SQLException; //Database exception handler

import java.util.logging.Level; //For handling database exception

import java.util.logging.Logger; //same task

import javax.swing.JOptionPane; //For different message dialogue

public class MainScreen extends javax.swing.JFrame { //Creates new form MainScreen

int id;

String sql = "";

public MainScreen() { //MainScreen method

setTitle("Provided Infos"); //Screen title

initComponents(); //initialize components

}

private void idTextActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

id=Integer.parseInt(this.idText.getText()); //id setting on textfield

}

private void showButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

id=Integer.parseInt(this.idText.getText());

if(evt.getSource()==showButton){

Connection conection=null;

try {

try {// TODO add your handling code here:

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver"); //Specifying driver

} catch (ClassNotFoundException ex) { //Exception handler

Logger.getLogger(MainScreen.class.getName()).log(Level.SEVERE, null, ex);

}

// connect to database

java.sql.Connection connection = DriverManager.getConnection("jdbc:odbc:Ps" );

// create Statement to query database

java.sql.Statement stmt = connection.createStatement();

ResultSet resultSet = null;

PreparedStatement statement = connection.prepareStatement("SELECT \* from persons where personnel\_id = "+Integer.parseInt(idText.getText()));

resultSet = statement.executeQuery();

if (resultSet.next()) { //collecting informations from created database

firstnameText.setText(resultSet.getString(2));

lastnameText.setText(resultSet.getString(3));

middlenameText.setText(resultSet.getString(4));

nicknameText.setText(resultSet.getString(5));

genderText.setText(resultSet.getString(6));

maritalstatusText.setText(resultSet.getString(7));

ageText.setText(resultSet.getString(8));

addressText.setText(resultSet.getString(9));

res\_phone\_noText.setText(resultSet.getString(10));

off\_phone\_noText.setText(resultSet.getString(11));

cell\_numberText.setText(resultSet.getString(12));

email\_addressText.setText(resultSet.getString(13));

company\_nameText.setText(resultSet.getString(14));

dptnameText.setText(resultSet.getString(15));

} //showButton activator

else{

JOptionPane.showMessageDialog(null,"No data found"); //message dialogue

}

} catch (SQLException ex) { //database exception handler

Logger.getLogger(MainScreen.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

private void bckButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if (evt.getSource() == bckButton) {

WelcomeScreen wc = new WelcomeScreen();

wc.setVisible(true); //show WelcomeScreen

}

setVisible(false); //Hied previous frame

} //bckButton activator

private void cancelButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(evt.getSource()==cancelButton){

System.exit(0);

} //cancelButton activator

}

private void clearButtonActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here

firstnameText.setText("");

lastnameText.setText("");

middlenameText.setText("");

nicknameText.setText("");

genderText.setText("");

maritalstatusText.setText("");

ageText.setText("");

addressText.setText("");

res\_phone\_noText.setText("");

off\_phone\_noText.setText("");

cell\_numberText.setText("");

email\_addressText.setText("");

company\_nameText.setText("");

dptnameText.setText("");

} //clearing all textfields

public static void main(String args[]) { //main method

java.awt.EventQueue.invokeLater(new Runnable() { //Screen runner

public void run() {

new MainScreen().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JTextField addressText;

private javax.swing.JTextField ageText;

private javax.swing.JButton bckButton;

private javax.swing.JButton cancelButton;

private javax.swing.JTextField cell\_numberText;

private javax.swing.JButton clearButton;

private javax.swing.JTextField company\_nameText;

private javax.swing.JTextField dptnameText;

private javax.swing.JTextField email\_addressText;

private javax.swing.JTextField firstnameText;

private javax.swing.JTextField genderText;

private javax.swing.JTextField idText;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JTextField lastnameText;

private javax.swing.JTextField maritalstatusText;

private javax.swing.JTextField middlenameText;

private javax.swing.JTextField nicknameText;

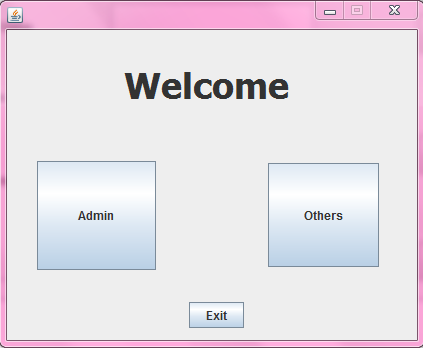
private javax.swing.JTextField off\_phone\_noText;

private javax.swing.JTextField res\_phone\_noText;

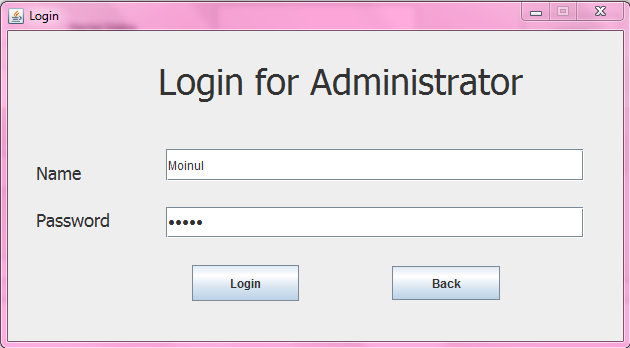
private javax.swing.JButton showButton;

// End of variables declaration }

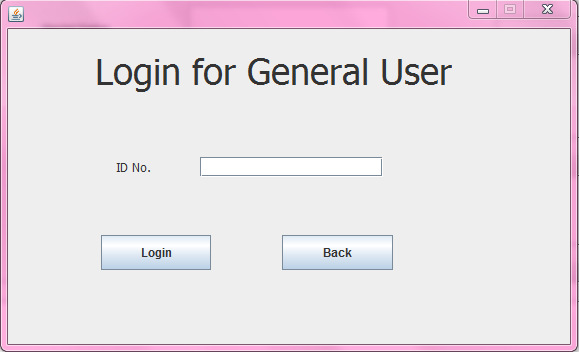
**SCREENSHOT:**

****

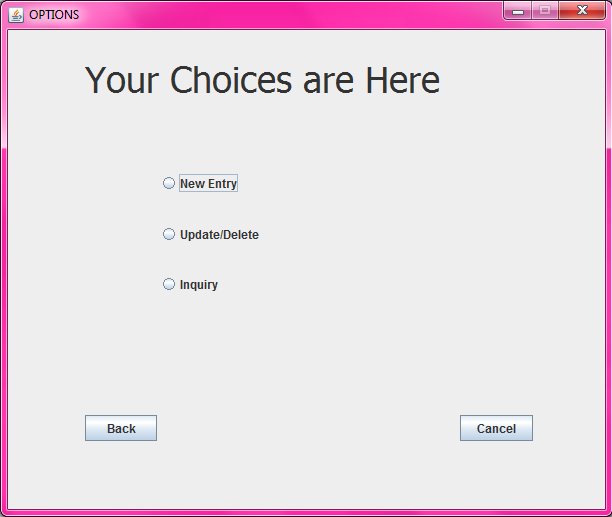
**[FIG-1]**

****

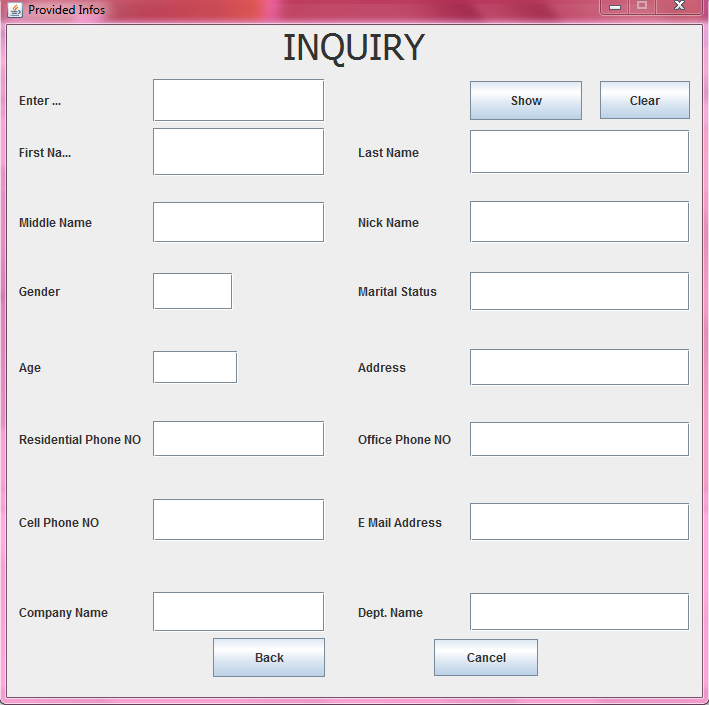
**[FIG-2]**

****

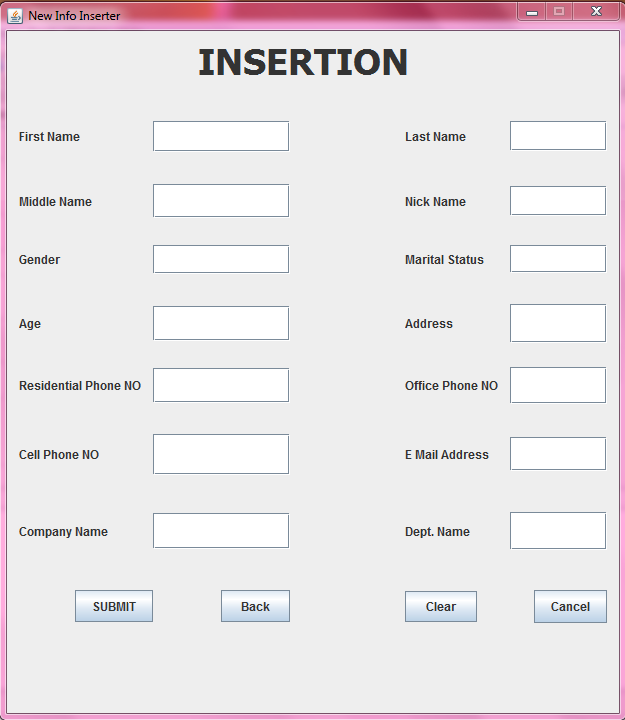
[FIG-3]

****

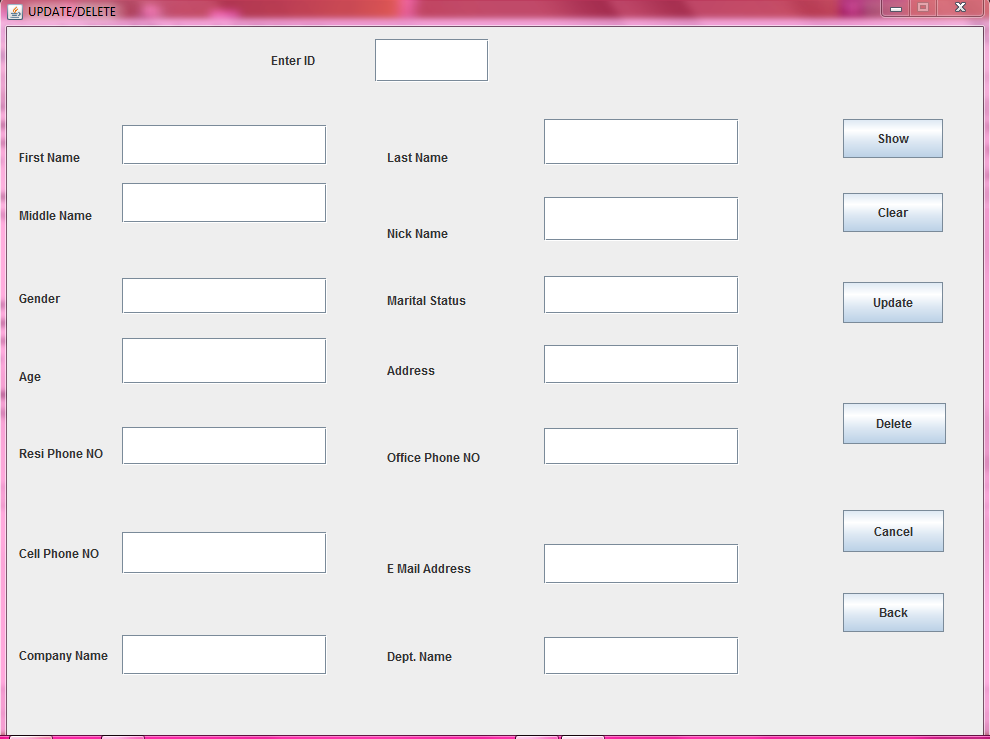
[FIG-4]



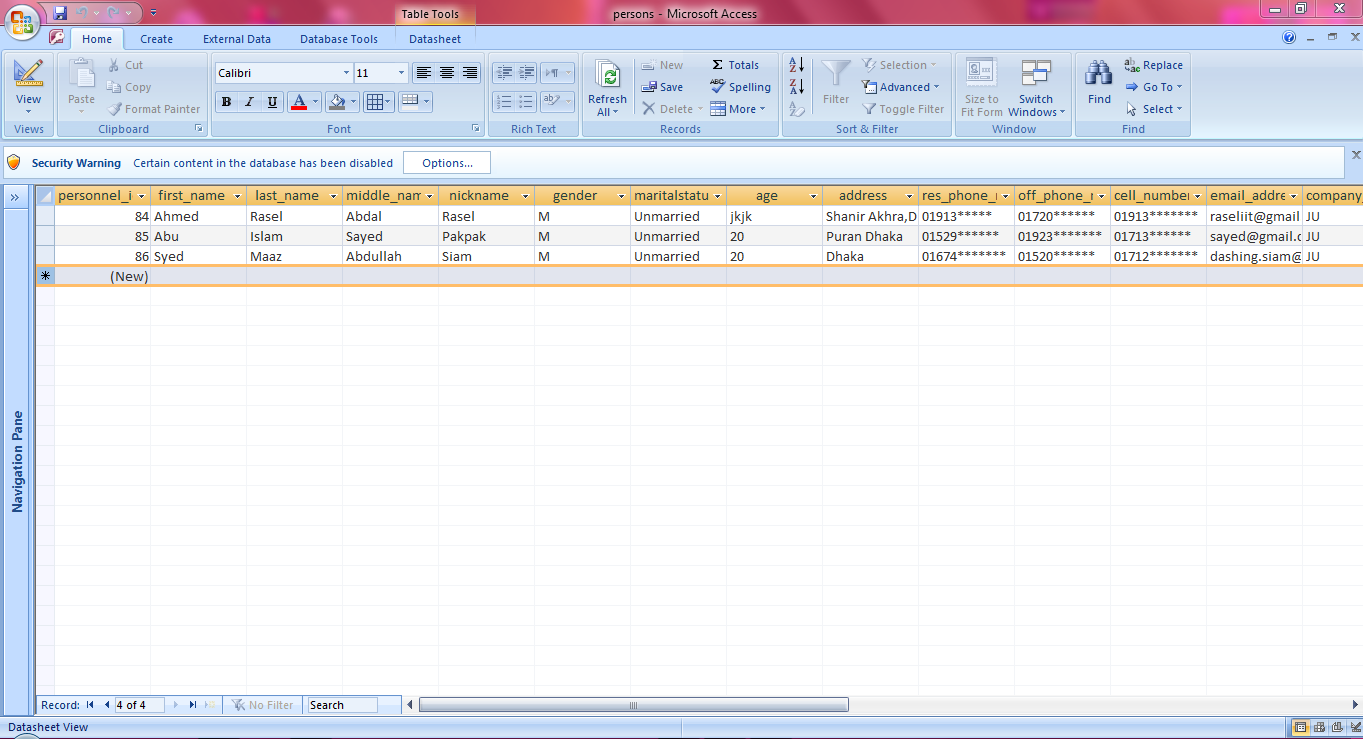
[FIG-5]



[FIG-6]



[FIG-7]



[FIG-8]

**Future Plan**

As beginners in JAVA language our project has some limitation which we wish to improve in our future. Some aspects that we want to improve are:

1.We can improve this maintenance system with more security measures.

2.We wish to include more personal information like identification picture ctc.

3.The personnel information could be classified as private information and public information.

**Conclusion**

JAVA is a great programming language that can make programming a lot of fun. All throughout the project it was a great experience of teamwork and enthusiasm. The programming project we made was the result of our co-operation. We also the thank our project supervisor for his support. The project may have some limitations**.**But the inspiration and motivation that is provided through this project will help us in near future to improve on what we have done. In the end we thank all related to the project for their support.

**Reference**

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[3] Introduction to Algorithms (Third Edition).

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