/\*\*

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\* 11-22-16

\* ticketsGUI.java

\* Final Project

\* This program will hold the ticket system menu in order to create, look up, delete,

\* and modify a ticket.

\* Written by Deborah Barndt & Kenneth Yan. \*/

package IT;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JFrame;

import javax.swing.JMenu;

import javax.swing.JMenuBar;

import javax.swing.JMenuItem;

import javax.swing.JOptionPane;

import javax.swing.JScrollPane;

import javax.swing.JTable;

// Proj implements one listener and can trigger action off menu item clicked with one action performed event handler

@SuppressWarnings("serial")

public class ticketsGUI extends JFrame implements ActionListener

{

// Class level member vars

private JFrame mainFrame;

// Include main menu objects

private JMenu file = new JMenu("File");

private JMenu tickets = new JMenu("Tickets");

JScrollPane sp = null;

// Include sub menu item objects

JMenuItem ItemNew;

JMenuItem ItemExit;

JMenuItem ItemOpenTicket;

JMenuItem ItemViewTicket;

JMenuItem ItemViewAllTicket;

JMenuItem ItemCloseTicket;

JMenuItem ItemUpdateTicket;

JMenuItem ItemDeleteTicket;

// Include more items below

public ticketsGUI()

{

createTicketTable();

// createUserTable();

// createContactInfoTable();

createMenu();

prepareGUI();

test();

}

private void createTicketTable()

{

// vars. for SQL Query create

final String createTicketTable = "CREATE TABLE kyanticket"

+ "(ticket\_id INT AUTO\_INCREMENT PRIMARY KEY, "

+ "ticket\_name VARCHAR(30), "

+ "ticket\_description VARCHAR(200),"

+ "ticket\_status VARCHAR(255),"

+ "ticket\_priority VARCHAR(255));";

Connection connect = null;

Statement statement = null;

try

{

// This will load the MySQL driver, each DB has its own driver

Class.forName("com.mysql.jdbc.Driver");

// Setup the connection with the DB

connect = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

// Create the table

statement = connect.createStatement();

statement.executeUpdate(createTicketTable);

System.out.println("Created table in given database...");

//end create table

//close connection/statement object

statement.close();

connect.close();

}

catch (Exception e)

{

System.out.println(e.getMessage());

}

}

private void createUserTable()

{

// vars. for SQL Query create

final String createUserTable = "CREATE TABLE kyanlogin"

+ "(ticket\_user VARCHAR(255), "

+ "ticket\_password VARCHAR(200));" ;

Connection connect = null;

Statement statement = null;

String adduser = "Insert into kyanlogin(ticket\_user, ticket\_password) VALUES"

+ "('jpapa', 'papastheboss'), "

+ "('Potatoe', 'Cookies'), "

+ "('Pie', 'team'), "

+ "('Derp', 'Dip'), "

+ "('Apples', 'Windows'), "

+ "('Java', 'c++');";

try

{

// This will load the MySQL driver, each DB has its own driver

Class.forName("com.mysql.jdbc.Driver");

// Setup the connection with the DB

connect = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

// Create the table

statement = connect.createStatement();

statement.executeUpdate(createUserTable);

statement.executeUpdate(adduser);

System.out.println("Created table in given database...");

//end create table

//close connection/statement object

statement.close();

connect.close();

}

catch (Exception e)

{

System.out.println(e.getMessage());

}

}

private void createContactInfoTable()

{

// vars. for SQL Query create

final String createContactInfoTable = "CREATE TABLE kyanuser"

+ "(ticket\_email VARCHAR(255), "

+ "ticket\_firstname VARCHAR(255), "

+ "ticket\_lastname VARCHAR(255), "

+ "ticket\_phonenum VARCHAR(200));" ;

Connection connect = null;

Statement statement = null;

String adduser = "Insert into kyanuser(ticket\_email, ticket\_firstname, ticket\_lastname, ticket\_phonenum) VALUES"

+ "('jpapa@gmail.com', 'James' , 'Papademas' , '312-112-6595'), "

+ "('kyan@gmail.com', 'Kenneth' , 'Yan' , '312-546-8756'), "

+ "('dbarndt@gmail.com', 'Deborah' , 'Barndt' , '312-584-7856'), "

+ "('mengland@gmail.com', 'Madeleine' , 'England' , '312-867-5309'), "

+ "('lmchugh@gmail.com', 'Louis' , 'McHugh' , '312-346-5789'), "

+ "('jjerger@gmail.com', 'James' , 'Jerger' , '312-582-6435');";

try

{

// This will load the MySQL driver, each DB has its own driver

Class.forName("com.mysql.jdbc.Driver");

// Setup the connection with the DB

connect = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

// Create the table

statement = connect.createStatement();

statement.executeUpdate(createContactInfoTable);

statement.executeUpdate(adduser);

System.out.println("Created table in given database...");

//end create table

//close connection/statement object

statement.close();

connect.close();

}

catch (Exception e)

{

System.out.println(e.getMessage());

}

}

// Column names

private void createMenu()

{

// Set up mnemonics for main menu items (triggered by alt keys)

file.setMnemonic('F');

// Initialize the sub menu items

ItemNew = new JMenuItem("New");

ItemNew.setMnemonic('N');

file.add(ItemNew);

ItemExit = new JMenuItem("Exit");

ItemExit.setMnemonic('X');

file.add(ItemExit);

ItemOpenTicket = new JMenuItem("Open Ticket");

ItemOpenTicket.setMnemonic('O');

tickets.add(ItemOpenTicket);

ItemViewTicket = new JMenuItem("View Ticket");

ItemViewTicket.setMnemonic('V');

tickets.add(ItemViewTicket);

ItemDeleteTicket = new JMenuItem("Delete Ticket");

ItemDeleteTicket.setMnemonic('D');

tickets.add(ItemDeleteTicket);

ItemViewAllTicket = new JMenuItem("View All Tickets");

ItemViewAllTicket.setMnemonic('V');

tickets.add(ItemViewAllTicket);

ItemUpdateTicket = new JMenuItem("Update Ticket");

ItemUpdateTicket.setMnemonic('U');

tickets.add(ItemUpdateTicket);

ItemCloseTicket = new JMenuItem("Close Ticket");

ItemCloseTicket.setMnemonic('C');

tickets.add(ItemCloseTicket);

// Include more sub menu items below

//add listeners for each desired menu item

ItemExit.addActionListener(this);

ItemOpenTicket.addActionListener(this);

ItemViewTicket.addActionListener(this);

ItemViewAllTicket.addActionListener(this);

ItemCloseTicket.addActionListener(this);

ItemUpdateTicket.addActionListener(this);

ItemDeleteTicket.addActionListener(this);

// Add more listeners for any additional sub menu items

}

private void prepareGUI()

{

// Initialize the frame object

mainFrame = new JFrame("Main");

// Create the jmenu bar

JMenuBar bar = new JMenuBar();

// Set menu orders

bar.add(file);

bar.add(tickets);

// Add menu bar component to frame

mainFrame.setJMenuBar(bar);

mainFrame.setSize(400,400);

mainFrame.setVisible(true);

}

@Override

public void actionPerformed(ActionEvent e)

{

// TODO Auto-generated method stub

// Add desired coding to trigger each sub menu action as examples shown below

// Exit program

if(e.getSource() == ItemExit)

{

System.exit(0);

}

// New ticket

/\* else if(e.getSource() == ItemNew)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (SQLException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}\*/

// Open ticket

else if(e.getSource() == ItemOpenTicket)

{

try

{

//add a ticket information

String ticketName = JOptionPane.showInputDialog(null,"Enter your Subject: ");

String ticketDesc = JOptionPane.showInputDialog(null,"Enter the ticket Description: ");

String ticketpriority = JOptionPane.showInputDialog(null,"Enter the ticket priority (High, Medium, Low):");

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

int result = statement.executeUpdate("Insert into kyanticket(ticket\_name, ticket\_description, ticket\_priority) "

+ "values('"+ ticketName +"','"+ ticketDesc +"', '" + ticketpriority + "')");

if (result != 0)

{

System.out.println("Ticket Created Successfully!!!");

}

else

{

System.out.println("Ticket cannot be Created!!!");

}

// Fill in with id value newly created in table

JOptionPane.showMessageDialog(null,"Ticket id: created");

dbConn.close(); //close connections!!!

}

catch (SQLException ex)

{

// TODO Auto-generated catch block

ex.printStackTrace();

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

// View a ticket

else if(e.getSource() == ItemViewTicket)

{

//retrieve ticket information

//ticketsJDBC dobj = new ticketsJDBC();

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

String see= JOptionPane.showInputDialog(null,"What Ticket Would You Like to See?");

ResultSet results = statement.executeQuery("SELECT \* FROM kyanticket WHERE ticket\_id = '" + see +"' ;");

// Use JTable built in functionality to build a table model and display the table model

//off a resultset!!!

JTable jt = new JTable(ticketsJTable.buildTableModel(results));

jt.setBounds(30,40,200,300);

sp=new JScrollPane(jt);

mainFrame.add(sp);

mainFrame.setVisible(true); //repaint frame on screen

statement.close();

dbConn.close(); //close connections!!!

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (SQLException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

// Close a ticket

else if(e.getSource() == ItemCloseTicket)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

String ID= JOptionPane.showInputDialog(null,"What Ticket is to be closed?");

String results = "UPDATE kyanticket SET ticket\_status = 'CLOSED'" +

"WHERE ticket\_id = '" + ID + "';";

statement.executeUpdate(results);

// System.out.println("Ticket Removed Successfully!!!");

JOptionPane.showMessageDialog(null, "Ticket number "+ ID +" has been Closed Successfully!!!");

dbConn.close(); //close connections!!!

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (SQLException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

// Delete a ticket

else if(e.getSource() == ItemDeleteTicket)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

String ID = JOptionPane.showInputDialog(null, "What Ticket Number would you like to Delete?");

// String result1 = JOptionPane.showInputDialog(null,"Are you sure that you want to delete ticket NUMBER " + ID + " ? " + "\n" + "(YES, NO)");

if (JOptionPane.showConfirmDialog(null, "Are you sure?", "WARNING", JOptionPane.YES\_NO\_OPTION) == JOptionPane.YES\_OPTION)

{

// yes option

String results = "DELETE FROM kyanticket WHERE ticket\_id = '" + ID + "';";

statement.executeUpdate(results);

// System.out.println("Ticket Removed Successfully!!!");

JOptionPane.showMessageDialog(null, "Ticket number "+ ID +" has been Removed Successfully!!!");

}

else

{

// no option

JOptionPane.showMessageDialog(null, "Ticket number "+ ID +" has NOT been Removed Successfully!!!");

}

dbConn.close(); //close connections!!!

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (SQLException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

// Update a ticket

else if (e.getSource() == ItemUpdateTicket)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

String ud= JOptionPane.showInputDialog(null, "What Ticket ID number would you like to Edit?" );

String ud1= JOptionPane.showInputDialog(null, "What is the New Name?" );

String ud2= JOptionPane.showInputDialog(null, "What is the New Description?" );

String ud3= JOptionPane.showInputDialog(null, "What is the new Status of the ticket? (Closed, Open)" );

String results = "UPDATE kyanticket SET ticket\_name = '" + ud1 +"' ," + "ticket\_description = '" + ud2 +"', ticket\_status = '" + ud3 + "' WHERE ticket\_id = '" + ud +"';";

statement.executeUpdate(results);

//String results = "UPDATE kyanticket SET ticket\_name = Replace(ticket\_name, '" + ud1 + "'" + " " , ";

//statement.executeUpdate(results);

System.out.println("Ticket Updated Successfully!!!");

dbConn.close(); //close connections!!!

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (SQLException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

// View all tickets

else if(e.getSource() == ItemViewAllTicket)

{

//retrieve ticket information

//ticketsJDBC dobj = new ticketsJDBC();

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

ResultSet results = statement.executeQuery("SELECT \* FROM kyanticket");

// Use JTable built in functionality to build a table model and display the table model

//off a resultset!!!

JTable jt = new JTable(ticketsJTable.buildTableModel(results));

jt.setBounds(30,40,200,300);

sp=new JScrollPane(jt);

mainFrame.add(sp);

mainFrame.setVisible(true); //repaint frame on screen

statement.close();

dbConn.close(); //close connections!!!

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (SQLException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

}

// Populate the kyanticket table 5 entries

public void test()

{

try

{

// Delete a ticket

// Update a description to 'WH WIFI PROBLEM’

//add a ticket information

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection dbConn = DriverManager.getConnection("jdbc:mysql://www.papademas.net/tickets?"

+ "user=fp411&password=411");

Statement statement = dbConn.createStatement();

// Add 5 tickets

// 2 high priority

String results = "INSERT INTO kyanticket (ticket\_name, ticket\_description, ticket\_status, ticket\_priority) VALUES"

+ "('Internet', 'Internet down', 'open', 'high'),"

+ "('Blackboard', 'Can not access blackborad on ipad', 'open', 'med'),"

+ "('I am lost', 'Can not find room 411', 'closed', 'low'),"

+ "('Hungry', 'I want pizza', 'closed', 'low'),"

+ "('Email', 'Can not access hawk email', 'open', 'high');" ;

statement.executeUpdate(results);

// Fill in with id value newly created in table

JOptionPane.showMessageDialog(null,"Ticket id: created");

}

catch (SQLException ex)

{

// TODO Auto-generated catch block

ex.printStackTrace();

}

catch (InstantiationException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (IllegalAccessException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

catch (ClassNotFoundException e1)

{

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

public static void main(String args[])

{

new ticketsGUI();

System.out.println("Ratio of open to closed:" + "" );

System.out.println("High priority tickets:" + "" );

System.out.println("Duration of tickets open:" + "" );

}

}

// What to send

// Ticket creation

// All ticket veiw

// Closed ticket notify

// WH WIFI PROBLEM’ and description

// Ticket delete request

// Total time tickets existed

// Ratio of closed to open tickets

// Tickets open with high priority

// JAR executable file

// Include also in your Word Doc file an opening description

// Summarizing your application, its uses, functionality and

// any basic design principles

// that make your application code worthy!