package javacrud;

import java.sql.\*;

import net.proteanit.sql.DbUtils;

import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JLabel;

import java.awt.Font;

import javax.swing.JPanel;

import javax.swing.border.TitledBorder;

import javax.swing.JTextField;

import javax.swing.JButton;

import javax.swing.JTabbedPane;

import javax.swing.JScrollPane;

import java.awt.event.ActionListener;

import javax.swing.JLayeredPane;

import javax.swing.JOptionPane;

import java.awt.event.ActionEvent;

import javax.swing.JTable;

import java.awt.event.KeyAdapter;

import java.awt.event.KeyEvent;

public class javacrud {

private JFrame frame;

private JTextField txtbname;

private JTextField txtedition;

private JTextField txtprice;

private JTextField txtbid;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

javacrud window = new javacrud();

window.frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the application.

\*/

public javacrud() {

initialize();

Connect();

table\_load();

}

Connection con;

PreparedStatement pst;

ResultSet rs;

private JTable table;

public void Connect()

{

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost/javacrud", "root","");

}

catch (ClassNotFoundException ex)

{

ex.printStackTrace();

}

catch (SQLException ex)

{

ex.printStackTrace();

}

}

/\*\*

\* Initialize the contents of the frame.

\*/

private void initialize() {

frame = new JFrame();

frame.setBounds(100, 100, 976, 775);

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

frame.getContentPane().setLayout(null);

JLabel lblNewLabel = new JLabel("BOOK SHOP");

lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 20));

lblNewLabel.setBounds(384, 27, 169, 25);

frame.getContentPane().add(lblNewLabel);

JPanel panel = new JPanel();

panel.setBorder(new TitledBorder(null, "REGISTRN", TitledBorder.LEADING, TitledBorder.TOP, null, null));

panel.setBounds(20, 68, 483, 373);

frame.getContentPane().add(panel);

panel.setLayout(null);

JLabel lblNewLabel\_1 = new JLabel("BOOK NAME");

lblNewLabel\_1.setFont(new Font("Tahoma", Font.BOLD, 15));

lblNewLabel\_1.setBounds(10, 47, 136, 42);

panel.add(lblNewLabel\_1);

JLabel lblNewLabel\_2 = new JLabel("EDITION");

lblNewLabel\_2.setFont(new Font("Tahoma", Font.BOLD, 15));

lblNewLabel\_2.setBounds(10, 153, 136, 42);

panel.add(lblNewLabel\_2);

JLabel lblNewLabel\_3 = new JLabel("PRICE");

lblNewLabel\_3.setFont(new Font("Tahoma", Font.BOLD, 15));

lblNewLabel\_3.setBounds(10, 266, 136, 42);

panel.add(lblNewLabel\_3);

txtbname = new JTextField();

txtbname.setBounds(214, 47, 136, 42);

panel.add(txtbname);

txtbname.setColumns(10);

txtedition = new JTextField();

txtedition.setBounds(214, 153, 136, 42);

panel.add(txtedition);

txtedition.setColumns(10);

txtprice = new JTextField();

txtprice.setBounds(214, 266, 136, 42);

panel.add(txtprice);

txtprice.setColumns(10);

JButton btnNewButton = new JButton("SAVE");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e)

{

String bname,edition,price;

bname = txtbname.getText();

edition = txtedition.getText();

price = txtprice.getText();

try {

pst = con.prepareStatement("insert into book(name,edition,price)values(?,?,?)");

pst.setString(1, bname);

pst.setString(2, edition);

pst.setString(3, price);

pst.executeUpdate();

JOptionPane.showMessageDialog(null, "Record Addedddd!!!!!");

table\_load();

txtbname.setText("");

txtedition.setText("");

txtprice.setText("");

txtbname.requestFocus();

}

catch (SQLException e1)

{

e1.printStackTrace();

}

}

});

btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 15));

btnNewButton.setBounds(20, 474, 125, 73);

frame.getContentPane().add(btnNewButton);

JButton btnExit = new JButton("EXIT");

btnExit.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

System.exit(0);

}

});

btnExit.setFont(new Font("Tahoma", Font.BOLD, 15));

btnExit.setBounds(194, 474, 116, 73);

frame.getContentPane().add(btnExit);

JButton btnClear = new JButton("CLEAR");

btnClear.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

txtbname.setText("");

txtedition.setText("");

txtprice.setText("");

txtbname.requestFocus();

}

});

btnClear.setFont(new Font("Tahoma", Font.BOLD, 17));

btnClear.setBounds(369, 473, 116, 73);

frame.getContentPane().add(btnClear);

JPanel panel\_1 = new JPanel();

panel\_1.setBounds(20, 558, 483, 142);

frame.getContentPane().add(panel\_1);

panel\_1.setLayout(null);

JLabel lblNewLabel\_2\_1 = new JLabel("BOOK ID");

lblNewLabel\_2\_1.setFont(new Font("Tahoma", Font.BOLD, 15));

lblNewLabel\_2\_1.setBounds(57, 41, 136, 42);

panel\_1.add(lblNewLabel\_2\_1);

txtbid = new JTextField();

txtbid.addKeyListener(new KeyAdapter() {

@Override

public void keyReleased(KeyEvent e) {

try {

String id = txtbid.getText();

pst = con.prepareStatement("select name,edition,price from book where id = ?");

pst.setString(1, id);

ResultSet rs = pst.executeQuery();

if(rs.next()==true)

{

String name = rs.getString(1);

String edition = rs.getString(2);

String price = rs.getString(3);

txtbname.setText(name);

txtedition.setText(edition);

txtprice.setText(price);

}

else

{

txtbname.setText("");

txtedition.setText("");

txtprice.setText("");

}

}

catch (SQLException ex) {

}

}

});

txtbid.setColumns(10);

txtbid.setBounds(261, 41, 136, 42);

panel\_1.add(txtbid);

JButton btnUpdate = new JButton("UPDATE");

btnUpdate.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

String bname,edition,price,bid;

bname = txtbname.getText();

edition = txtedition.getText();

price = txtprice.getText();

bid = txtbid.getText();

try {

pst = con.prepareStatement("update book set name= ?,edition=?,price=? where id =?");

pst.setString(1, bname);

pst.setString(2, edition);

pst.setString(3, price);

pst.setString(4, bid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null, "Record Update!!!!!");

table\_load();

txtbname.setText("");

txtedition.setText("");

txtprice.setText("");

txtbname.requestFocus();

}

catch (SQLException e1) {

e1.printStackTrace();

}

}});

btnUpdate.setFont(new Font("Tahoma", Font.BOLD, 15));

btnUpdate.setBounds(549, 596, 125, 73);

frame.getContentPane().add(btnUpdate);

JButton btnDelete = new JButton("DELETE");

btnDelete.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

String bid;

bid = txtbid.getText();

try {

pst = con.prepareStatement("delete from book where id =?");

pst.setString(1, bid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null, "Record Delete!!!!!");

table\_load();

txtbname.setText("");

txtedition.setText("");

txtprice.setText("");

txtbname.requestFocus();

}

catch (SQLException e1) {

e1.printStackTrace();

}

}

});

btnDelete.setFont(new Font("Tahoma", Font.BOLD, 15));

btnDelete.setBounds(770, 596, 125, 73);

frame.getContentPane().add(btnDelete);

JScrollPane scrollPane = new JScrollPane();

scrollPane.setBounds(513, 68, 439, 476);

frame.getContentPane().add(scrollPane);

table = new JTable();

scrollPane.setViewportView(table);

}

public void table\_load()

{

try

{

pst = con.prepareStatement("select \* from book");

rs = pst.executeQuery();

table.setModel(DbUtils.resultSetToTableModel(rs));

}

catch (SQLException e)

{

e.printStackTrace();

}

}

}