package latres;

import java.awt.event.\*;

import java.sql.\*;

import javax.swing.\*;

import javax.swing.table.\*;

public class Latres extends JFrame{

public DefaultTableModel model;

String id\_edit;

JLabel lkode = new JLabel("Kode Buku");

JLabel ljenis = new JLabel("Jenis Buku");

JLabel ltanggal = new JLabel("Tanggal Terbit");

JLabel lpengarang = new JLabel("Pengarang");

JTextField fkode = new JTextField(10);

JTextField ftanggal = new JTextField(10);

JTextField fpengarang = new JTextField(30);

String[] listjenis = {"======PILIH======","Majalah","Novel","Komik","Jurnal","Lain-lain"};

JComboBox cmbjenis = new JComboBox(listjenis);

JButton bsave = new JButton("SIMPAN");

JButton bedit = new JButton("EDIT");

JButton bhapus = new JButton("HAPUS");

JButton breset = new JButton("RESET");

JButton bcari = new JButton("CARI");

String[][] data = new String[100][4];

JTable tabel;

JScrollPane scrollPane;

String DBurl = "jdbc:mysql://localhost/perpus";

String DBusername = "root";

String DBpassword = "";

Connection koneksi;

Statement statement;

ResultSet resultSet;

public Latres(){

tampilData();

tabel = new JTable();

model = new DefaultTableModel(data,new String[] {"Kode Buku","Jenis Buku","Tanggal Terbit","Pengarang"});

tabel.setModel(model);

scrollPane = new JScrollPane(tabel);

setTitle("FORM PERPUSTAKAAN");

setSize(750,400);

setDefaultCloseOperation(3);

setResizable(false);

setLocationRelativeTo(null);

setLayout(null);

add(lkode);

add(ljenis);

add(ltanggal);

add(lpengarang);

add(fkode);

add(cmbjenis);

add(ftanggal);

add(fpengarang);

add(bsave);

add(bedit);

add(bhapus);

add(breset);

add(bcari);

add(scrollPane);

lkode.setBounds(10,10,100,20);

ljenis.setBounds(10,40,100,20);

ltanggal.setBounds(10,70,100,20);

lpengarang.setBounds(10,100,100,20);

fkode.setBounds(100,11,150,20);

cmbjenis.setBounds(100,41,150,20);

ftanggal.setBounds(100,71,150,20);

fpengarang.setBounds(100,101,150,20);

bsave.setBounds(40,170,80,30);

bedit.setBounds(130,170,80,30);

bhapus.setBounds(40,210,80,30);

breset.setBounds(130,210,80,30);

bcari.setBounds(250,11,70,20);

scrollPane.setBounds(330,20,370,300);

tabel.addMouseListener(new java.awt.event.MouseAdapter(){ // menambahkan MouseListener pada jTabel

@Override

public void mouseClicked(java.awt.event.MouseEvent e) {

if (e.getClickCount() == 2||e.getClickCount() == 1) {

tabel = (JTable)e.getSource();

int row = tabel.getSelectedRow();

fkode.setEditable(false);

fkode.setText(data[row][0]);

if (data[row][1].equals("Majalah")) {

cmbjenis.setSelectedItem(listjenis[1]);

}else if (data[row][1].equals("Novel")){

cmbjenis.setSelectedItem(listjenis[2]);

}else if (data[row][1].equals("Komik")){

cmbjenis.setSelectedItem(listjenis[3]);

}else if (data[row][1].equals("Jurnal")){

cmbjenis.setSelectedItem(listjenis[4]);

}else cmbjenis.setSelectedItem(listjenis[5]);

ftanggal.setText(data[row][2]);

fpengarang.setText(data[row][3]);

}

}

});

bsave.addActionListener(new ActionListener(){

public void actionPerformed(ActionEvent e){

masukkanData();

dispose();

new Latres();

}

});

bedit.addActionListener(new ActionListener(){

public void actionPerformed(ActionEvent e){

gantiData();

dispose();

new Latres();

}

});

bhapus.addActionListener(new ActionListener(){

public void actionPerformed(ActionEvent e){

hapusData();

new Latres();

}

});

breset.addActionListener(new ActionListener(){

public void actionPerformed(ActionEvent e){

fkode.setEditable(true);

fkode.setText("");

cmbjenis.setSelectedItem(listjenis[0]);

ftanggal.setText("");

fpengarang.setText("");

}

});

bcari.addActionListener(new ActionListener(){

public void actionPerformed(ActionEvent e){

cariData();

}

});

setVisible(true);

}

public void masukkanData(){

try{

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

koneksi = DriverManager.getConnection(DBurl, DBusername, DBpassword);

statement = koneksi.createStatement();

statement.executeUpdate("insert into perpus values('"+ fkode.getText() +"','"+ cmbjenis.getSelectedItem() +"','"+ ftanggal.getText()+"','"+ fpengarang.getText() +"')");

JOptionPane.showMessageDialog(null, "Sukses Disimpan!");

statement.close();

koneksi.close();

}catch(SQLException ex){

JOptionPane.showMessageDialog(null, "Data Gagal Disimpan!", "Hasil", JOptionPane.ERROR\_MESSAGE);

}catch(ClassNotFoundException ex){

JOptionPane.showMessageDialog(null, "Driver Tidak Ditemukan!", "Hasil", JOptionPane.ERROR\_MESSAGE);

}

}

public void tampilData(){

try{

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

koneksi = DriverManager.getConnection(DBurl,DBusername,DBpassword);

statement = koneksi.createStatement();

String sql = "select \* from perpus";

resultSet = statement.executeQuery(sql);

int p=0;

while(resultSet.next()){

data[p][0]=resultSet.getString("kode");

data[p][1]=resultSet.getString("jenis");

data[p][2]=resultSet.getString("tanggal");

data[p][3]=resultSet.getString("pengarang");

p++;

}

statement.close();

koneksi.close();

}catch(SQLException ex){

JOptionPane.showMessageDialog(null, "Data Gagal Ditampilkan!","Hasil", JOptionPane.ERROR\_MESSAGE);

}catch(ClassNotFoundException ex){

JOptionPane.showMessageDialog(null, "Driver Tidak Ditemukan!","Hasil", JOptionPane.ERROR\_MESSAGE);

}

}

public void cariData(){

try{

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

koneksi = DriverManager.getConnection(DBurl,DBusername,DBpassword);

statement = koneksi.createStatement();

String sql = "SELECT \* FROM perpus WHERE kode='"+fkode.getText()+"'";

resultSet = statement.executeQuery(sql);

if(resultSet.next()){

if (fkode.getText().equals(resultSet.getString("kode"))) {

JOptionPane.showMessageDialog(null, "Data Ditemukan");

fkode.setEditable(false);

fkode.setText(resultSet.getString("kode"));

cmbjenis.setSelectedItem(resultSet.getString("jenis"));

ftanggal.setText(resultSet.getString("tanggal"));

fpengarang.setText(resultSet.getString("pengarang"));

}

}else{

JOptionPane.showMessageDialog(null, "Data Tidak Ditemukan");

}

statement.close();

koneksi.close();

}catch(SQLException ex){

System.out.println("gagal tampil");

}catch(ClassNotFoundException ex){

}

}

public void gantiData(){

try

{

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

koneksi = DriverManager.getConnection(DBurl, DBusername, DBpassword);

String sql="update perpus set kode=?,jenis=?,tanggal=?,pengarang=? where kode='"+fkode.getText()+"'";

PreparedStatement st=koneksi.prepareStatement(sql);

st.setString(1,fkode.getText());

st.setString(2,(String)cmbjenis.getSelectedItem());

st.setString(3,ftanggal.getText());

st.setString(4,fpengarang.getText());

st.executeUpdate();

JOptionPane.showMessageDialog(null,"Update Data Sukses");

}catch(SQLException ex)

{

JOptionPane.showMessageDialog(null,"Data Gagal Disimpan!","Hasil",JOptionPane.ERROR\_MESSAGE);

}

catch(ClassNotFoundException ex)

{

JOptionPane.showMessageDialog(null,"Driver Tidak Ditemukan","Hasil",JOptionPane.ERROR\_MESSAGE);

}

}

public void hapusData(){

try

{

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

koneksi = DriverManager.getConnection(DBurl, DBusername, DBpassword);

String sql="delete from perpus where kode='"+fkode.getText()+"'";

PreparedStatement st=koneksi.prepareStatement(sql);

st.executeUpdate();

JOptionPane.showMessageDialog(null, "Delete Data Sukses");

fkode.setText("");

cmbjenis.setSelectedItem(listjenis[0]);

ftanggal.setText("");

fpengarang.setText("");

}

catch(SQLException ex)

{

JOptionPane.showMessageDialog(null,"Data gagal disimpan","Hasil",JOptionPane.ERROR\_MESSAGE);

}

catch(ClassNotFoundException ex)

{

JOptionPane.showMessageDialog(null,"Driver Nggak ada","Hasil",JOptionPane.ERROR\_MESSAGE);

}

}

public static void main(String[] args) {

// TODO code application logic here

Latres l = new Latres();

}