package m6.table\_model;

import m6.ConnectionManager;

import javax.swing.\*;

import javax.swing.table.AbstractTableModel;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.Vector;

public class CustomerTableModel extends AbstractTableModel {

private Vector<String> columnNames = new Vector<>();

private Vector<Object[]> data;

private JFrame ui;

public CustomerTableModel(JFrame ui) {

columnNames.add("Name");

columnNames.add("Username");

columnNames.add("Account Number");

columnNames.add("Phone Number");

columnNames.add("Balanace");

data = readFromDb();

this.ui = ui;

}

private Vector<Object[]> readFromDb() {

Connection conn = ConnectionManager.getInstance().getConnection();

Vector<Object[]> v = new Vector<>();

try {

PreparedStatement ps = conn.prepareStatement(

"SELECT login.name, customer.username, customer.accountNumber, customer.phoneNumber, customer.accountNumber, account.balance " +

"FROM customer, login, account " +

"WHERE login.username=customer.username AND account.accountNumber=customer.accountNumber " +

"ORDER BY login.name ASC"

);

ResultSet rs = ps.executeQuery();

while (rs.next()) {

String name = rs.getString("login.name");

String username = rs.getString("customer.username");

String accountNumber = rs.getString("customer.accountNumber");

String phoneNumber = rs.getString("customer.phoneNumber");

String balance = rs.getString("account.balance");

v.add(new Object[]{name, username, accountNumber, phoneNumber, balance});

}

} catch (SQLException e) {

e.printStackTrace();

JOptionPane.showMessageDialog(ui, "Error! Failed to fetch data.");

}

return v;

}

public int getColumnCount() {

return columnNames.size();

}

public int getRowCount() {

return data.size();

}

public String getColumnName(int col) {

return columnNames.get(col);

}

public Object getValueAt(int row, int col) {

return data.get(row)[col];

}

public Class getColumnClass(int c) {

return getValueAt(0, c).getClass();

}

public boolean isCellEditable(int row, int col) {

return false;

}

public void setValueAt(Object value, int row, int col) {

data.get(row)[col] = value;

}

}