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 LoginTableModel extends AbstractTableModel {

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

private Vector<Object[]> data;

private JFrame ui;

public LoginTableModel(JFrame ui) {

columnNames.add("Name");

columnNames.add("Username");

columnNames.add("Password");

columnNames.add("Status");

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 name, username, password, status FROM login " +

"ORDER BY name ASC"

);

ResultSet rs = ps.executeQuery();

while (rs.next()) {

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

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

String password = rs.getString("password");

String status = rs.getString("status");

v.add(new Object[]{name, username, password, status});

}

} 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;

}

}