package com.database.connection;

import java.sql.\*;

import java.util.Scanner;

public class Main {

// variables for determining mySQL connection

public static void main(String[] args) throws Exception {

String url = "jdbc:mysql://localhost:3306/javagaurdians";

String uname = "root";

String pass = "JavaGaurds11\*";

Database database = new Database(url, uname, pass);

database.getUserAndPass();

}

}

package com.database.connection;

import java.sql.\*;

import java.util.Scanner;

import com.database.util.\*;

public class Database {

// database access variables

private String url;

private String username;

private String password;

private Connection connection;

private Scanner scan;

private Statement statement;

private ResultSet resultSet;

//constructor

public Database(String url, String username, String password) throws Exception {

this.url = url;

this.username = username;

this.password = password;

scan = new Scanner(System.in);

//driver register

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

connection = DriverManager.getConnection(url, username, password);

}

/\*method asks for user ID, enters the database

\* retrieves email and password for that user

\* exceptions that are programmed asure the

\* program doesn't crash if the user inputs an

\* an id that doesn't exist and then asks

\* if they would like to try again

\*/

public void getUserAndPass() throws Exception {

String user = null;

String pass = null;

while(true) {

System.out.print("Type user ID: ");

int num = scan.nextInt();

//query command creator for mySQL

String query = "SELECT \* FROM javagaurdians.users WHERE idUsers = " + num;

connection = DriverManager.getConnection(url, username, password);

statement = connection.createStatement();

resultSet = statement.executeQuery(query);

resultSet.next();

//query executor

try {

user = resultSet.getString("UserEmail");

pass = resultSet.getString("Password");

} catch(Exception e) {

System.out.println("A user with that ID does not exist");

System.out.println("Try again? Y/N");

if(scan.next().equalsIgnoreCase("y")) {

getUserAndPass();

}

System.out.println("Exiting...");

break;

}

System.out.println("Here are the account details for the user with ID: " + num);

System.out.println("Username: " + user);

System.out.println("Password: " + pass);

break;

}

scan.close();

connection.close();

statement.close();

}

}