**Clase FactoryConexion.java**

package data;

import java.sql.\*;

import org.apache.logging.log4j.Level;

import org.apache.logging.log4j.core.Logger;

import util.AppDataException;

public class FactoryConexion {

private Logger logger;

/\*private Connection conn;

private int cantConn=0;

private String driver = "com.mysql.jdbc.Driver";

private String host ="localhost";

private String user="root";

private String port = "3306";

private String password="";

private String db="biblioteca";\*/

private Connection conn;

private int cantConn=0;

private String driver = "com.mysql.jdbc.Driver";

private String host ="node14124-biblioteca.jelastic.saveincloud.net";

private String user="root";

private String password="ROIpnk13429";

private String db="biblioteca";

private static FactoryConexion instancia;

private FactoryConexion() throws ClassNotFoundException{

try {

/\*new com.mysql.jdbc.Driver();\*/

Class.forName(driver);

} catch (ClassNotFoundException e) {

throw e;

}

}

public static FactoryConexion getInstancia() throws ClassNotFoundException{

if (FactoryConexion.instancia == null) {

FactoryConexion.instancia= new FactoryConexion();

}

return FactoryConexion.instancia;

}

/\* Pregunta si ya hay una conexion, si hay la devuelve, sino la crea

\* solo tiene que haber una unica instancia de la conexion por eso es singleton \*/

public Connection getConn() throws SQLException,AppDataException{

try {if (conn == null || conn.isClosed()) {

conn = DriverManager.getConnection("jdbc:mysql://"+host+"/"+db+"?user="+user+"&password="+password);

/\*conn = DriverManager.getConnection(host+"?user="+user+"&password="+password);\*/

}

}catch (SQLException e) {

/\*throw new AppDataException(e, "Error al conectar a la base de datos");\*/

throw e;

}

cantConn++; /\*contador de cantidades de conexiones abiertas\*/

return conn;

}

public void releaseConn() throws SQLException{

try {

cantConn--;

if (cantConn==0) {

conn.close();

}

} catch (SQLException e) {

throw e;

}

}

}