**ConnectionPool:**

package service;

import java.util.List;

import java.util.ArrayList;

import java.sql.Connection;

import java.sql.DriverManager;

import com.mysql.cj.jdbc.Driver;

public class ConnectionPool {

private List<Connection> cons;

private int connectCount = 5; //开始创建5个连接供使用。计数值为5.

private ConnectionPool() {

cons = new ArrayList<Connection>();

try {

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

DriverManager.registerDriver(new Driver());

cons.add(DriverManager.getConnection("jdbc:mysql://localhost:3306/catmanagement?characterEncoding=utf-8", "root", "1234"));

cons.add(DriverManager.getConnection("jdbc:mysql://localhost:3306/catmanagement?characterEncoding=utf-8", "root", "1234"));

cons.add(DriverManager.getConnection("jdbc:mysql://localhost:3306/catmanagement?characterEncoding=utf-8", "root", "1234"));

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cons.add(DriverManager.getConnection("jdbc:mysql://localhost:3306/catmanagement?characterEncoding=utf-8", "root", "1234"));

} catch(Exception e) {

e.printStackTrace();

}

}

private static ConnectionPool instance = new ConnectionPool();

public static ConnectionPool getInstance() {

return instance;

}

public synchronized Connection getConnection() {

if(cons.size()>0) {

// Connection c = cons.get(0);

// cons.remove(0);

return cons.remove(0);

}

else if(connectCount<10) { //最多允许10个连接，开始时创建5个。

Connection con = null;

try {

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/catmanagement?characterEncoding=utf-8", "root", "1234");

connectCount ++;

} catch (Exception x) {

x.printStackTrace();

}

return con;

}

else {

return null;

}

}

public synchronized void returnConnection(Connection con) {

cons.add(con);

}

}

else if(connectCount<10) { //最多允许10个连接，开始时创建5个。

Connection con = null;

try {

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/WEB?characterEncoding=utf-8", "root", "1234");

connectCount ++;

} catch (Exception x) {

x.printStackTrace();

}

return con;

}

else {

return null;

}

}

public synchronized void returnConnection(Connection con) {

cons.add(con);

}

}

**cat:**

package dto;

import java.util.Date;

public class cat {

private int idcat;

private String catname;

public int getIdCat() {

return idcat;

}

public void setIdCat(int idcat) {

this.idcat = idcat;

}

public String getCatName() {

return catname;

}

public void setCatName(String catname) {

this.catname = catname;

}

**management:**

package dto;

import java.util.Date;

public class management {

private int idmanagement;

private String name;

public int getIdManagement() {

return idmanagement;

}

public void setIdManagement(int idmanagement) {

this.idmanagement = idmanagement;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

**users:**

package dto;

public class Users {

private String id;

private String name;

private String pwd;

private String type;

private String email;

public String getId() {

return id;

}

public void setId(String id){

this.id=id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getPwd() {

return pwd;

}

public void setPwd(String pwd) {

this.pwd = pwd;

}

public String getType() {

return Type;

}

public void setType(String type) {

this.type = type;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

}