**catModel:**

**package service;**

**import java.io.IOException;**

**import java.sql.Connection;**

**import java.sql.Date;**

**import java.sql.ResultSet;**

**import java.sql.SQLException;**

**import java.sql.Statement;**

**import java.sql.PreparedStatement;**

**import java.util.ArrayList;**

**import dto.cat;**

**public class catModel {**

**public ArrayList<cat> getCat(int curPage, int pageSize){**

**ArrayList<cat> cat = null;**

**Connection con = ConnectionPool.getInstance().getConnection();**

**if(con != null) {**

**cat = new ArrayList<cat>();**

**PreparedStatement st = null;**

**ResultSet rs = null;**

**try {**

**st = con.prepareStatement("select idcat, catname from catmanagement limit ?, ?");**

**st.setInt(1, (curPage - 1) \* pageSize);**

**st.setInt(2, pageSize);**

**rs = st.executeQuery();**

**while(rs.next()) {**

**cat b = new cat();**

**b.setIdcat(rs.getInt(1));**

**b.setncatame(rs.getString(2));**

**cat.add(b);**

**}**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**} finally {**

**try {**

**if(rs != null) rs.close();**

**if(st != null) st.close();**

**ConnectionPool.getInstance().returnConnection(con);**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**}**

**return cat;**

**}**

**public int getCatQty() {**

**int r = -1; �**

**Connection con = ConnectionPool.getInstance().getConnection();**

**if(con != null) {**

**Statement st = null;**

**ResultSet rs = null;**

**try {**

**st = con.createStatement();**

**rs = st.executeQuery("select count(\*) from catmanagement");**

**if(rs.next()) {**

**r = rs.getInt(1);**

**}**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**} finally {**

**try {**

**if(rs != null) rs.close();**

**if(st != null) st.close();**

**ConnectionPool.getInstance().returnConnection(con);**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**}**

**return r;**

**}**

**public int delCat(int id) {**

**int r = -1;**

**Connection con = ConnectionPool.getInstance().getConnection();**

**if(con != null) {**

**PreparedStatement st = null;**

**try {**

**st = con.prepareStatement("delete from catmanagement where id=?");**

**st.setInt(1, id);**

**r = st.executeUpdate();**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**} finally {**

**try {**

**if(st != null) st.close();**

**ConnectionPool.getInstance().returnConnection(con);**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**}**

**return r;**

**}**

**public int insertCat(cat b) {**

**int r = -1;**

**Connection con = ConnectionPool.getInstance().getConnection();**

**if(con != null) {**

**PreparedStatement st = null;**

**try {**

**if(b.getPicFile()!=null) {**

**st = con.prepareStatement("insert into catmanagement (idcat, catname) values (?,?,?,?)");**

**st.setInt(1, b.getIdcat());**

**st.setString(2, b.getCatName());**

**}**

**else {**

**st = con.prepareStatement("insert into catmanagement (idcat, catname) values (?,?,?,?)");**

**st.setInt(1, b.getIdCat());**

**st.setString(2, b.getCatName());**

**}**

**r = st.executeUpdate();**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**} finally {**

**try {**

**if(st != null) st.close();**

**ConnectionPool.getInstance().returnConnection(con);**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**}**

**return r;**

**}**

**public int updateCat(cat b) {**

**int r = -1;**

**Connection con = ConnectionPool.getInstance().getConnection();**

**if(con != null) {**

**PreparedStatement st = null;**

**try {**

**if(b.getPicFile()!=null) {**

**st = con.prepareStatement("update catmanagement set catname=?, where idcat=?");**

**st.setString(1, b.getCatName());**

**st.setInt(2, b.getIdcat());**

**}**

**else {**

**st = con.prepareStatement("update catmanagement set catname=?, where idcat=?");**

**st.setString(1, b.getCatName());**

**st.setInt(4, b.getIdCat());**

**}**

**r = st.executeUpdate();**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**} finally {**

**try {**

**if(st != null) st.close();**

**ConnectionPool.getInstance().returnConnection(con);**

**} catch (SQLException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**}**

**return r;**

**}**

**}**