

# 1 Java

## 1.1 shop.adm

### 1.1.1 Admin.java

```

////////////////////////////////04.02.2007          1////////////////////////////////
package shop.adm;
import java.io.*;
import java.sql.*;
import oracle.jdbc.*;
import shop.storekeeper.ShopCipher;
/**
 * Java
 *
 *      *.jsp      ISO-8859-1.
 *
 * 1 -      <Br>
 * 2 -      <Br>
 * 3 -      <Br>
 * 4 -      <Br>
 * 5 -
 */
public class Admin
{
    private static String OwnerTable;
    private static void SetOwnerTable(String a) {OwnerTable=a;}
    private static String GetOwnerTable(){return OwnerTable;}
    private static Connection myConnection;
    private static void SetmyConnection(Connection conn){myConnection=conn;}
    private static Connection GetmyConnection(){return myConnection;}
    //////////////////////////////////
    private static Connection GetConnection(String log, String pas,
                                           String service, String host, String port)
    {
        try
        {
            DriverManager.registerDriver(new oracle.jdbc.OracleDriver());
            Connection conn = DriverManager.getConnection
                ("jdbc:oracle:thin:@+host+":"+port+":"+service,log,pas);
            return conn;
        }
        catch(SQLException e){System.out.println(e.getMessage());
                             try {System.in.read();}catch(IOException el){};
                             System.exit(0);
                             return null;}
    }
    //////////////////////////////////
    private static String ViewPassFromByte(String f, byte [] b1)
    {
        if (f==null || b1==null) return "";
        ShopCipher sc = new ShopCipher();
        byte[] b=null;
        b=b1;
        char[] c = new char[b.length];
        for (int i=0;i<b.length;i++)
            c[i]=(char)b[i];
        String pass=String.valueOf(c,0,b.length);
        return sc.ShopDeCrypt(f,pass);
    }
    /**
     *
     *      .
     *
     * @param login <B>      </B>
     * @param password <B>      </B>
     * @param KeyFile <B>      </B>
     */
    public static void AddUserTableW(String login, String password, String KeyFile)
    {
        try
        {
            ShopCipher sc = new ShopCipher();
            String passCrypt=sc.ShopEncrypt(KeyFile,password); //
            byte[] b = new byte[passCrypt.length()];
            for (int i=0;i<passCrypt.length();i++)
                b[i]=(byte)passCrypt.charAt(i);
            //////////////////////////////////
            CallableStatement cstmt;

```

```

        cstmt = GetmyConnection().prepareCall
            ("{? = call "+GetOwnerTable()+" .REGISTRATION_PERSONNEL_SHOP(?, ?)}");
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setString(2, login);
        cstmt.setBytes(3, b);
        cstmt.execute();
        int status = ((OracleCallableStatement)cstmt).getInt(1);
        cstmt.close();
        if (status==1) System.out.print("Operation is executed successfully!");
        if (status==0) System.out.print("Operation was finished unsuccessfully!");
        System.out.println();
    }
    catch(Exception e)
    {System.out.println("Mistake at addition of the user: "+e.getMessage());}
}
/**
 *
 * @param login <B>
 *
 * </B>
 */
public static void DelUser(String login)
{
    try
    {
        CallableStatement cstmt;
        cstmt = GetmyConnection().prepareCall
            ("{? = call "+GetOwnerTable()+" .CANCEL_REG_PERS_SHOP(?) }");
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setString(2, login);
        cstmt.execute();
        int status = ((OracleCallableStatement)cstmt).getInt(1);
        cstmt.close();
        if (status==1) System.out.print("Operation is executed successfully!");
        if (status==0) System.out.print("Operation was finished unsuccessfully!");
        System.out.println();
    }
    catch(Exception e)
    {System.out.println("Mistake at removal of the user: "+e.getMessage());}
}
/**
 *
 * @param f <B>
 *
 * </B>
 */
public static void NewKey(String f)
{
    try
    {
        ShopCipher sc = new ShopCipher();
        sc.CreateKey(f);
        System.out.print("Operation is executed successfully!");
        System.out.println();
    }
    catch (Exception e)
    {System.out.println("Operation was finished unsuccessfully! Error: "+e.getMessage());}
}
/**
 *
 *
 * : ID
 *
 *
 * @param keyfile <B>
 *
 * </B>
 */
public static void ViewUser(String keyfile)
{
    try
    {
        String SQL;
        SQL="SELECT TABLE_USER_W.ID,LOGIN,PASSWORD,LASTTIMES FROM " +
            GetOwnerTable()+" .TABLE_USER_W, "+GetOwnerTable()+" .TABLE_USER_LAST" +
            " WHERE TABLE_USER_W.ID=USER_W_ID ORDER BY ID";
        Statement stmt = GetmyConnection().createStatement
            (ResultSet.TYPE_FORWARD_ONLY,ResultSet.CONCUR_READ_ONLY);
        ResultSet rs = (ResultSet)stmt.executeQuery(SQL);
        System.out.println();
        while (rs.next())
        {
            System.out.println(" ID: "+rs.getInt(1));
            System.out.println(" LOGIN: "+rs.getString(2));
            System.out.println(" PASSWORD: "+ViewPassFromByte(keyfile,rs.getBytes(3)));
            System.out.println(" LAST INPUT: "+rs.getDate(4)+" "+rs.getTime(4));
        }
        rs.close();
        stmt.close();
    }
}

```

```

        System.out.println();
    }
    catch(Exception e)
    {System.out.println("Mistake of performance of inquiry: "+e.getMessage());}
}
/**
 *
 * @param args <B>          </B>
 */
public static void main(String[] args)    throws Exception
{
    SetOwnerTable("SYSTEM");
    ShopCipher sc = new ShopCipher();
    try
    {
        if (args[0].equals("-ISO"))
        {
            CodingISO ciso=new CodingISO();
            int size=args.length; //
            for (int i=3;i<size;i++) //          4          -          , 2 -
            {
                ciso.Coding(args[1],args[2],args[i]);
            }
            System.exit(0);
        }
        if (args.length!=4)
        {
            System.out.println("Wrong number of parameters!");
            System.out.println("<SID> <host> <port> <key>");
            System.in.read();
            System.exit(0);
        }
        String SID=args[0];
        String host=args[1];
        String port=args[2];
        String keyfile=args[3];
        if (Integer.valueOf(args[2])<1 || Integer.valueOf(args[2])>65536)
        {
            System.out.println("Wrong parameters!");
            System.in.read();
            System.exit(0);
        }
    }
    System.out.println();
    System.out.println("////////////////////////////////////////");
    System.out.println("//                               //");
    System.out.println("//  The utility of the manager of shop. Version 1.0.0  //");
    System.out.println("//                               //");
    System.out.println("////////////////////////////////////////");
    System.out.println();
    BufferedReader in = new BufferedReader(new InputStreamReader(System.in));
    System.out.print("Enter a name of user Oracle: ");
    String login = in.readLine();
    System.out.print("Enter the password of manager Oracle: ");
    String password = in.readLine();
    SetmyConnection(GetConnection(login,password,SID,host, port));
    System.out.println("Connection with a database "+host+" :"+SID+" successfully");
    System.out.println();
    boolean flag=false;
    while (flag==false)
    {
        System.out.println();
        System.out.println("Will choose operation:");
        System.out.println("1 - To add the user...");
        System.out.println("2 - To remove the user...");
        System.out.println("3 - To create a symmetric confidential key...");
        System.out.println("4 - To show all users...");
        System.out.println("5 - Exit...");
        System.out.print("Enter: ");
        String str = in.readLine();
        int oper=0;
        if (str.length()>0) oper=Integer.valueOf(str);
        if (oper==1)
        {
            String log="";
            String pas="";
            String f="";
            System.out.print("Enter a name of the user: ");
            log = in.readLine();
            if (!sc.CheckWord(log))
            {

```

```

        System.out.print("Enter a password: ");
        pas = in.readLine();
        AddUserTableW(log,pas,keyfile);
    }
}
if (oper==2)
{
    String log="";
    System.out.print("Enter a name of the user: ");
    log = in.readLine();
    DelUser(log);
}
if (oper==3)
{
    String f="";
    System.out.print("Enter a way to a created key: ");
    f = in.readLine();
    NewKey(f);
}
if (oper==4)
{
    String f="";
    ViewUser(keyfile);
}
if (oper==5) flag=true;
}
}
catch (ArrayIndexOutOfBoundsException e)
{System.out.println("There are no parameters");
try {System.in.read();}catch(IOException e1){};}
catch (IOException e)
{System.out.println(e.getMessage());
try {System.in.read();}catch(IOException e1){};}
catch (NumberFormatException e)
{System.out.println("Enter number please! "+e.getMessage());
try {System.in.read();}catch(IOException e1){};}
}
}

```

### 1.1.2 CodingISO.java

```

////////////////////03.02.2007          1////////////////////
package shop.adm;
import java.io.*;
/**
 *          WIN1251   ISO-8859-1.
 *          .
 *          7      ISO-
 *          " "      "&#_1040;" (    "_").
 */
public class CodingISO
{
    final int ConstCode1=64; //          64          (
    final int ConstCode2=1040; //          ( ISO)
    //////////////////////////////////Exception////////////////////////////////////
    String ExceptionCoding;
    private synchronized void SetExceptionCoding(String a){ExceptionCoding=a;}
    public String GetExceptionCoding(){return ExceptionCoding;}
    /**
     *          ISO
     * @param InStr <B>          ,          </B>
     * @return ISO
     */
    public String Coding(String InStr)
    {
        if (InStr==null) return "";
        String out="";
        int size=InStr.length();
        for (int i=0;i<size;i++)
        {
            boolean fl=false;
            for (int j=ConstCode2;j<ConstCode2+ConstCode1;j++)
            {
                if ((char)j==(char)InStr.charAt(i))
                {
                    out=out+"&#"+String.valueOf(j)+" ";
                    fl=true;
                }
            }
            if (fl==false) out=out+InStr.charAt(i);
        }
    }
}

```

```

    }
    return out;
}
/**
 *      ISO      .
 * @param InFolder <B>      ,      </B>
 * @param OutFolder <B>      ,      </B>
 * @param FileStr <B>      </B>
 */
public void Coding(String InFolder, String OutFolder, String FileStr)
{
    if (InFolder!=null && OutFolder!=null && FileStr!=null)
    if (InFolder.length()!=0 && OutFolder.length()!=0 && FileStr.length()!=0)
    try
    {
        FileInputStream in = new FileInputStream(InFolder+"/"+FileStr);
        int size=in.available();
        byte [] b1 = new byte[size];
        in.read(b1);
        in.close();
        String OutStr="";
        for (int i=0;i<size;i++)
        {
            boolean fl=false;
            for (int j=-ConstCodel;j<0;j++)
            if (j==(byte)b1[i])
            {
                OutStr=OutStr+"&#"+String.valueOf(j+ConstCode2+ConstCodel)+" ";
                fl=true;
            }
            if (fl==false) OutStr=OutStr+String.valueOf((char)b1[i]);
        }
        byte [] b2 = new byte[OutStr.length()];
        b2=OutStr.getBytes();
        FileOutputStream out = new FileOutputStream(OutFolder+"/"+FileStr);
        out.write(b2);
        out.close();
    }
    catch (IOException e) {SetExceptionCoding(e.getMessage());
        System.out.println(e.getMessage());}
}
}

```

## 1.2 shop.client

### 1.2.1 ClientBean.java

```

//////////10.02.2007      1//////////
package shop.client;
import java.util.List;
import java.net.InetAddress;
import java.sql.*;
import oracle.jdbc.*;
import java.math.BigDecimal;
import java.text.*;
import shop.adm.*;
import shop.storekeeper.*;
/**
 *      ,      .
 * "      "      ,
 *
 *      .
 *      Web-
 *      .
 *      ,
 *      ,
 *
 */
public class ClientBean
{
    private final String font = "Trebuchet MS";
    private final String CBlack = "000000";
    //////////
    private final String OwnerTable="SHOP"; //
    private final String LOGIN="SHOPUSER";
    private final String PASSWORD="BEP6_4Q?F!@/#%fdE80_";
    private final String Key=System.getenv("SHOP_KEY_USER");
    private final String SID_ORA=System.getenv("SID_ORA");
}

```

```

private final String HOST_ORA=System.getenv("HOST_ORA");
private final int PORT_ORA=Integer.valueOf(System.getenv("PORT_ORA"));
private final int lenLOGIN=15;
private final int lenPASSWORD=55;
////////////////////////////////////
private final int NumColumnViewGoods=9;
private final int MaxAmountGood=100;
private int UserID;
private synchronized void SetUserID(int a){UserID=a;}
private int GetUserID(){return UserID;}
private String Login;
private synchronized void SetLogin(String a){Login=GetCiso().Coding(a);}
public String GetLogin(){return Login;}
private String OrderMessage;
private synchronized void SetOrderMessage(String a){OrderMessage=GetCiso().Coding(a);}
public String GetOrderMessage(){return OrderMessage;}
private Connection myConnection;
private synchronized void SetmyConnection(Connection conn){myConnection=conn;}
private Connection GetmyConnection(){return myConnection;}
private List LsViewGoods; //
private synchronized void SetLsViewGoods(List a){LsViewGoods=a;}
private List GetLsViewGoods(){return LsViewGoods;}
private boolean Authorization;
private synchronized void SetAuthorization(boolean a){Authorization=a;}
/**
 * @return true - <Br>false -
 */
public boolean GetAuthorization(){return Authorization;}
private int NumViewGoods;
/**
 * @param a <B> </B>
 */
public synchronized void SetNumViewGoods(int a){NumViewGoods=a;}
/**
 * @return
 */
public int GetNumViewGoods(){return NumViewGoods;}
////////////////////////////////////
private String FindStr;
private String USOptions;
private String USeditC;
private String optionsZnak;
private String USeditB;
public synchronized void SetFindStr(String a){FindStr=a;}
public synchronized void SetUSOptions(String a){USOptions=a;}
public synchronized void SetUSeditC(String a){USeditC=a;}
public synchronized void SetoptionsZnak(String a){optionsZnak=a;}
public synchronized void SetUSeditB(String a){USeditB=a;}
public String GetFindStr(){return FindStr;}
public String GetUSOptions(){return USOptions;}
public String GetUSeditC(){return USeditC;}
public String GetoptionsZnak(){return optionsZnak;}
public String GetUSeditB(){return USeditB;}
////////////////////////////////////
private PLSQLStored Ps;
private synchronized void SetPs(PLSQLStored a){Ps=a;}
private PLSQLStored GetPs(){return Ps;}
private PLSQLStoredUser Psu;
private synchronized void SetPsu(PLSQLStoredUser a){Psu=a;}
private PLSQLStoredUser GetPsu(){return Psu;}
private Basket Bs;
private synchronized void SetBs(Basket a){Bs=a;}
private Basket GetBs(){return Bs;}
private HtmlPage Hp;
private synchronized void SetHp(HtmlPage a){Hp=a;}
private HtmlPage GetHp(){return Hp;}
private CodingISO Ciso;
private synchronized void SetCiso(CodingISO a){Ciso=a;}
private CodingISO GetCiso(){return Ciso;}
////////////////////////////////////SQL////////////////////////////////////
private final String SelectTableCategory=
    "SELECT NAME FROM "+OwnerTable+".TABLE_CATEGORY";
private final String SelectTablePayment=
    "SELECT WAY FROM "+OwnerTable+".TABLE_PAYMENT";
private final String SelectTableDelivery=
    "SELECT WAY FROM "+OwnerTable+".TABLE_DELIVERY";
/**

```

```

*
*/
public ClientBean()
{
    SetCiso(new CodingISO());
    SetLogin(" "); //
    SetUserID(0); //
    SetPsu(new PLSQLStoredUser(OwnerTable));
    SetPs(new PLSQLStored(OwnerTable));
    SetBs(new Basket());
    SetHp(new HtmlPage());
    SetAuthorization(false);
    SetmyConnection(GetConnection(LOGIN,PASSWORD,SID_ORA,HOST_ORA,PORT_ORA));
}
//////////
private String GetFormat(float f)
{
    NumberFormat Df = new DecimalFormat("0.00");
    return Df.format(f);
}
//////////
private Connection GetConnection(String log, String pas,
                                String service, String host, int port)
{
    try
    {
        DriverManager.registerDriver(new oracle.jdbc.OracleDriver());
        Connection conn = DriverManager.getConnection
            ("jdbc:oracle:thin:@"+host+": "+String.valueOf(port)+" "+service,log,pas);
        return conn;
    }
    catch (SQLException e){System.out.println(e.getMessage());return null;}
}
//////////
private String ListToString(List ls, int num)
{
    return String.valueOf(ls.get(num));
}
//////////HTML-
private String HtmlViewGoods(List ls, int num) //ls -
{
    if (ls==null) return "";
    String bgcolor="00B7FF";
    String str="";
    int H=0; //
    //-----
    int koaf=160; // +
    int firstTop=330;
    int k=0; //
    for (int i=0;i<num;i++)
    {
        str+=GetHp().GetHtmlWindow(firstTop,10,984,150,"E3E3E3");
        str+=GetHp().GetHtmlLink(firstTop+10,360,120,30,"",font,
                                "GetMoreGoods.jsp?ID="+ListToString(ls,k),"12");
        if (GetAuthorization())
            str+=GetHp().GetHtmlLink(firstTop+30,360,120,30,"",font,
                                    "addbasket.jsp?ID="+ListToString(ls,k),"12");
        str+=GetHp().GetHtmlText(firstTop+8,10,140,30,"",font,CBlack,"12",true);
        str+=GetHp().GetHtmlText(firstTop+8+26,10,140,30,"",font,CBlack,"12",true);
        str+=GetHp().GetHtmlText(firstTop+8+26*2,10,140,30,"",font,CBlack,"12",true);
        str+=GetHp().GetHtmlText(firstTop+8+26*3,10,140,30,"( . )",font,CBlack,"12",true);
        str+=GetHp().GetHtmlText(firstTop+8+26*4,10,140,30,"( . . )",font,CBlack,"12",true);
        str+=GetHp().GetHtmlEdit(firstTop+10,120,230,23,true,"no",font,
                                12,bgcolor,CBlack,CBlack,ListToString(ls,k+1),"text","");
        str+=GetHp().GetHtmlEdit(firstTop+10+26,120,230,23,true,"no",font,
                                12,bgcolor,CBlack,CBlack,ListToString(ls,k+2),"text","");
        str+=GetHp().GetHtmlEdit(firstTop+10+26*2,120,230,23,true,"no",font,
                                12,bgcolor,CBlack,CBlack,ListToString(ls,k+4),"text","");
        str+=GetHp().GetHtmlEdit(firstTop+10+26*3,120,230,23,true,"no",font,
                                12,bgcolor,CBlack,CBlack,ListToString(ls,k+6),"text","");
        float f=(Float)ls.get(k+7);
        str+=GetHp().GetHtmlEdit(firstTop+10+26*4,120,230,23,true,"no",font,
                                12,bgcolor,CBlack,CBlack,GetFormat(f),"text","");
        firstTop=firstTop+koaf;
        k+=NumColumnViewGoods;
    }
    //-----
    if (num>1) //
        H=100+koaf*num;
    else

```

```

        H=440; //
        String mainstr;
        mainstr=GetHp().GetHtmlWindow(282,0,1004,H,"00B7FF");
        str=mainstr+str;
        return str;
    }
    ////////////////////////////////// ID //////////////////////////////////
    private String IDToName(int id)
    {
        int k=0;
        for (int i=0;i<GetNumViewGoods();i++)
        {
            if (((Integer)GetLsViewGoods().get(k))==id)
            // ID -
            return ((String)GetLsViewGoods().get(k+1));
            k+=NumColumnViewGoods;
        }
        return "";
    }
    ////////////////////////////////// ID //////////////////////////////////
    private float IDToCost(int id)
    {
        int k=0;
        for (int i=0;i<GetNumViewGoods();i++)
        {
            if (((Integer)GetLsViewGoods().get(k))==id)
            // ID -
            return ((Float)GetLsViewGoods().get(k+7));
            k+=NumColumnViewGoods;
        }
        return 0;
    }
    ////////////////////////////////// //////////////////////////////////
    private String GetFormat(Object o)
    {
        NumberFormat Df = new DecimalFormat("0");
        BigDecimal bd;
        bd= new BigDecimal(o.toString());
        return (String.valueOf(Df.format(bd)));
    }
    ////////////////////////////////// //////////////////////////////////
    private ShopResultSet GetInfoAboutOrders()
    {
        String SQL="";
        SQL="SELECT TABLE_WAYBILL_ORDER.ID,TIMES,STATUS,"+
            "TABLE_PAYMENT.WAY,TABLE_DELIVERY.WAY,"+
            "(TABLE_PAYMENT.COST+TABLE_DELIVERY.COST)" +
            " FROM "+OwnerTable+".TABLE_WAYBILL_ORDER,"+OwnerTable+
            ".TABLE_DELIVERY,"+OwnerTable+".TABLE_PAYMENT"+
            " WHERE (USER_ID="+GetUserID()+")AND(PAYMENT_ID=TABLE_PAYMENT.ID)AND"+
            "(DELIVERY_ID=TABLE_DELIVERY.ID) ORDER BY TABLE_WAYBILL_ORDER.ID";
        ShopResultSet srs=GetPs().SQLSelect(GetmyConnection(),SQL,false);
        return srs;
    }
    ////////////////////////////////// //////////////////////////////////
    private ShopResultSet GetInfoAboutGoodsInOrder(String ID)
    {
        String SQL="";
        SQL="SELECT TABLE_GOODS.NAME,AMOUNT,COST*AMOUNT" +
            " FROM "+OwnerTable+".TABLE_GOODS_ORDER,"+OwnerTable+".TABLE_GOODS" +
            " WHERE (GOODS_ID=TABLE_GOODS.ID)AND(WAYBILL_ORDER_ID="+ID+")";
        ShopResultSet srs=GetPs().SQLSelect(GetmyConnection(),SQL,false);
        return srs;
    }
    ////////////////////////////////// //////////////////////////////////
    private ShopResultSet GetInfoAboutClient()
    {
        String SQL="";
        SQL="SELECT LOGIN,MAIL,PHONE,SNP,INDEXX,COUNTRY,AREA,CITY,STREET,HOUSE,CASES,APARTMENT" +
            " FROM "+OwnerTable+".TABLE_USER,"+OwnerTable+".TABLE_ADDRESS_U" +
            " WHERE (ADDRESS_U_ID=TABLE_ADDRESS_U.ID)AND(TABLE_USER.ID="+GetUserID()+")";
        ShopResultSet srs=GetPs().SQLSelect(GetmyConnection(),SQL,false);
        return srs;
    }
    ////////////////////////////////// //////////////////////////////////
    private ShopResultSet GetInfoAboutGoods(String ID)
    {
        String SQL="";
        SQL="SELECT * FROM "+OwnerTable+".TABLE_GOODS WHERE ID="+ID;
        ShopResultSet srs=GetPs().SQLSelect(GetmyConnection(),SQL,true);
        return srs;
    }

```



```

//      Html
private String GetImageApplet(int x, int y, int ImageID)
{
    String str="";
    str=str+"<div class='default_style' style='position:absolute;";
    str=str+"top:"+String.valueOf(y)+"left:"+String.valueOf(x)+"";
    str=str+"width:266;height:266;";
    str=str+"border-width:3;border-style:solid;border-color:#0000FF;";
    str=str+"background-color:#000000;'>";
    str=str+"<applet code='ShowImage.class' width=250 height=250>";
    str=str+"<PARAM NAME='id' VALUE='"+String.valueOf(ImageID)+"'>";
    str=str+"<PARAM NAME='x' VALUE='0'>";
    str=str+"<PARAM NAME='y' VALUE='0'>";
    str=str+"</applet></div>";
    return str;
}
/**
 *
 * @return IP-
 */
public String JSPGetLocalHost()
{
    String host="";
    try
    {
        host=InetAddress.getLocalHost().getHostAddress();
    }
    catch(java.net.UnknownHostException e){return "";}
    return host;
}
/**
 *
 * @param login <B>
 * @param password <B>
 */
public void JSPAAuthUser(String login, String password)
{
    if (login!=null && password!=null)
    if (login.length()!=0 && password.length()!=0 &&
        login.length()<=lenLOGIN && password.length()<=lenPASSWORD)
    {
        int ID=-1;
        ID=GetPsu().AuthUser(GetmyConnection(),login,password,Key);
        if (ID>0)
        {
            SetLogin(login);
            SetUserID(ID);
            SetAuthorization(true);
        }
    }
}
/**
 *
 * @return
 */
public String JSPGetNumGoodsBasket()
{
    if (GetAuthorization())
        return String.valueOf(GetBs().GetNumGoodsBasket());
    else
        return "";
}
/**
 *
 * @return
 */
public String JSPGetSum()
{
    if (GetAuthorization())
    {
        return GetFormat(GetBs().GetSum());
    }
    else return "";
}
/**
 *
 * @param ID <B>
 * @param AMOUNT <B>
 */
public void JSPAddBasketList(String ID, String AMOUNT)
{

```

```

    if (ID!=null && AMOUNT!=null)
    if (GetAuthorization())
    try
    {
        int id=Integer.valueOf(ID);
        int amount=Integer.valueOf(AMOUNT);
        if (id>0 && amount>0)
        {
            if (amount<=MaxAmountGood)
                GetBs().AddBasketList(id,amount,IDToCost(id),IDToName(id));
            else
                System.out.println("It is a lot of goods!");
        }
    }
    catch(Exception e){System.out.println(e.getMessage());}
}
/**
 *
 * @param ID <B>
 * @return
 */
public void JSPDelBasketList(String ID)
{
    if (ID!=null)
    if (GetAuthorization())
    try
    {
        int id=Integer.valueOf(ID);
        if (id>0) //
            GetBs().DelBasketList(id);
    }
    catch(Exception e){System.out.println(e.getMessage());}
}
/**
 *
 * @return
 */
public int JSPGetNumAllBasket()
{
    if (GetAuthorization())
        return GetBs().GetNumAllBasket();
    else
        return 0;
}
/**
 *
 * @param ID <B>
 * @param AMOUNT <B>
 */
public void JSPSaveBasketList(String ID, String AMOUNT)
{
    if (ID!=null && AMOUNT!=null)
    if (GetAuthorization())
    try
    {
        int id=Integer.valueOf(ID);
        int amount=Integer.valueOf(AMOUNT);
        if (id>0 && amount>0)
        {
            if (amount<=MaxAmountGood)
                GetBs().SaveBasketList(id,amount,IDToCost(id),IDToName(id));
            else
                System.out.println("It is a lot of goods!");
        }
    }
    catch(Exception e){System.out.println(e.getMessage());}
}
/**
 *
 *
 * @return
 */
public void JSPGetInfoAboutGoodsAndClients()
{
    GetPsu().GetInfoAboutGoodsAndClients(GetmyConnection());
}
/**
 *
 * @return
 */
public String JSPGetAllClient()
{
    return String.valueOf(GetPsu().GetAllClient());
}

```

```

/**
 *
 * @return
 */
public String JSPGetAllGoods()
{
    return String.valueOf(GetPsu().GetAllGoods());
}
/**
 *      html      Select      "      ".
 * @return Html-
 */
public String JSPOptionTC()
{
    return GetHp().GetHtmlOption(160,130,230,23,"USOptions",font,CBlack,
        "3333DD","EEEEFF","12",
        GetPs().SQLSelect(GetmyConnection(),
        SelectTableCategory,false).GetLs(),true);
}
/**
 *      html      Select      "      ".
 * @return Html-
 */
public String JSPOptionTP()
{
    return
        GetHp().GetHtmlOption(100,140,230,23,"USOptionsTP",font,CBlack,
        "3333DD","EEEEFF","12",
        GetPs().SQLSelect(GetmyConnection(),
        SelectTablePayment,false).GetLs(),false);
}
/**
 *      html      Select      "      ".
 * @return Html-
 */
public String JSPOptionTD()
{
    return
        GetHp().GetHtmlOption(130,140,230,23,"USOptionsTD",font,CBlack,
        "3333DD","EEEEFF","12",
        GetPs().SQLSelect(GetmyConnection(),
        SelectTableDelivery,false).GetLs(),false);
}
/**
 *
 * @return      -      0!
 * @param P <B>      </B>
 * @param D <B>      </B>
 */
public int JSPRegistrationOrder(String P, String D)
{
    if (P==null || D==null) return 0;
    if (P.length()==0 || D.length()==0 ||
        P.length()>10000 || D.length()>10000) return 0; //10000-      !
    if (!GetAuthorization()) return 0;
    ///////////////      ID      Payment      Delivery/////////////////
    int PaymentID=0;
    int DeliveryID=0;
    ShopResultSet srs=GetPs().SQLSelect(GetmyConnection(),
        "SELECT TABLE_DELIVERY.ID, TABLE_PAYMENT.ID FROM "+OwnerTable+
        ".TABLE_DELIVERY, "+OwnerTable+".TABLE_PAYMENT" + " WHERE " +
        " (TABLE_DELIVERY.WAY='"+D+"' )AND (TABLE_PAYMENT.WAY='"+P+"')",false);
    if (srs==null) return 0;
    DeliveryID=(Integer)srs.GetLs().get(0);
    PaymentID=(Integer)srs.GetLs().get(1);
    int i=GetPsu().RegistrationOrder(GetmyConnection(),GetBs().BasketListToStr(),
        GetUserID(),PaymentID,DeliveryID);
    SetOrderMessage("      !");
    if (i==0)
    {
        SetOrderMessage("      !");
        GetBs().ClearBasket();
    }
    if (i>0)
        SetOrderMessage("      ID = "+i);
    if (i==1)
        SetOrderMessage("      ,      !");
    return 0;
}
/**
 *

```

```

* @return Html-
*/
public String JSPHTMLViewBasket()
{
    if (GetAuthorization()) return GetBs().HTMLViewBasket();
    else return "";
}
/**
*
* @param CategorySelect <B>                </B>
* @param CostSelect <B>                </B>
* @param MarkSelect <B>                </B>
* @param BrendSelect <B>                </B>
* @return Html-
*/
public String JSPViewGoods(String CategorySelect, String CostSelect,
                           String MarkSelect, String BrendSelect)
{
    String SQL="";
    SQL=GetPsu().ViewGoods(CategorySelect, CostSelect, MarkSelect, BrendSelect);
    if (SQL!="")
    {
        ShopResultSet SRS = GetPs().SQLSelect(GetmyConnection(), SQL, true); // CLOB
        SetLsViewGoods(SRS.GetLs());
        SetNumViewGoods(SRS.Getcount());
        return HtmlViewGoods(GetLsViewGoods(), GetNumViewGoods());
    }
    else return "";
}
/**
*
*
*
*
* @param PLOGIN <B>                </B>
* @param PPASSWORD <B>                </B>
* @param PMAIL <B>                </B>
* @param PPHONE <B>                </B>
* @param PSNP <B>                </B>
* @param PINDEXX <B>                </B>
* @param PCOUNTRY <B>                </B>
* @param PAREA <B>                </B>
* @param PCITY <B>                </B>
* @param PSTREET <B>                </B>
* @param PHOUSE <B>                </B>
* @param PCASES <B>                </B>
* @param PAPARTMENT <B>                </B>
* @return 1 - <Br>0 -
*/
public int JSPRegistrationUser(String PLOGIN, String PPASSWORD,
                               String PMAIL, String PPHONE, String PSNP,
                               String PINDEXX, String PCOUNTRY, String PAREA,
                               String PCITY, String PSTREET, String PHOUSE,
                               String PCASES, String PAPARTMENT)
{
    int status=GetPsu().RegistrationUser(GetmyConnection(), PLOGIN, PPASSWORD,
        PMAIL, PPHONE, PSNP, PINDEXX, PCOUNTRY, PAREA, PCITY, PSTREET, PHOUSE, PCASES,
        PAPARTMENT, Key);
    if (status>0)
    {
        //
        SetLogin(PLOGIN);
        SetUserID(status);
        SetAuthorization(true);
        return 1;
    }
    else return 0;
}
/**
*
* @param FindStr <B>                -                </B>
* @return Html-
*/
public String JSPGetFindGoodsId(String FindStr)
{
    ShopResultSet SRS = GetPsu().GetFindGoodsId(GetmyConnection(), FindStr);
    if (SRS==null) return "";
    SetLsViewGoods(SRS.GetLs());
    SetNumViewGoods(SRS.Getcount());
    return HtmlViewGoods(GetLsViewGoods(), GetNumViewGoods());
}
/**
*
* html GetMoreGoods.jsp.
* @param ID <B>                </B>

```

```

* @return Html-
*/
public String JSPGetMoreGoods(String ID)
{
    long id;
    if (ID==null) return "";
    if (ID.length()==0) return "";
    try {id=Long.valueOf(ID);}
    catch (Exception e){return "";}
    //////////////////////////////////////
    String bgcolor="00B7FF";
    String str="";
    String value="";
    ShopResultSet srs = GetInfoAboutGoods(ID);
    if (srs!=null)
    {
        str=GetHp().GetHtmlWindow(0,0,1004,750,"00B7FF");
        str+=GetHp().GetHtmlLink(10,10,260,30,"",font,"index.jsp","22");
        str+=GetHp().GetHtmlText(10,410,260,50,"#"+ID,font,CBlack,"22",true);
        str+=GetHp().GetHtmlText(50,10,140,30,"",font,CBlack,"16",true);
        str+=GetHp().GetHtmlText(260,10,140,30,"",font,CBlack,"16",true);
        value=String.valueOf(srs.GetLs().get(3));
        str+=GetHp().GetHtmlArea(90,10,500,152,"",font,CBlack,CBlack,"E3E3E3","12","5","20",value);
        value=String.valueOf(srs.GetLs().get(5));
        str+=GetHp().GetHtmlArea(300,10,500,152,"",font,CBlack,CBlack,"E3E3E3","12","5","20",value);
        int image=(Integer)srs.GetLs().get(9); //
        str+=GetImageApplet(630,110,image);
    }
    return str;
}
/**
 *          html          MySection.jsp.
 * @return Html-
 */
public String JSPMySection()
{
    String str="";
    //////////////////////////////////////
    int firstTop=310; //
    String bgcolor="00B7FF";
    String color="000000";
    String borcolor="000000";
    String STATUS=""; //          0,1,2
    int H=0; //
    float AllCost; //
    str+=GetHp().GetHtmlText(10,450,240,50,"",font,color,"22",true);
    str+=GetHp().GetHtmlText(40,10,240,150,"",font,color,"16",true);
    str+=GetHp().GetHtmlText(290,10,240,50,"",font,color,"16",true);
    str+=GetHp().GetHtmlLink(10,10,260,30,"",font,"index.jsp","22");
    str+=GetHp().GetHtmlLink(10,800,200,30,"",font,"IssueOrder.jsp","22");
    //////////////////////////////////////
    String my="";
    ShopResultSet srs0=GetInfoAboutClient();
    if (srs0!=null)
    {
        my+="      : "+srs0.GetLs().get(0)+'\n';
        my+="      : "+srs0.GetLs().get(1)+'\n';
        my+="      : "+GetFormat(srs0.GetLs().get(2))+'\n';
        my+="      : "+srs0.GetLs().get(3)+'\n';
        my+="      : "+srs0.GetLs().get(4)+'\n';
        my+="      : "+srs0.GetLs().get(5)+'\n';
        my+="      : "+srs0.GetLs().get(6)+'\n';
        my+="      : "+srs0.GetLs().get(7)+'\n';
        my+="      : "+srs0.GetLs().get(8)+'\n';
        my+="      : "+srs0.GetLs().get(9)+'\n';
        my+="      : "+srs0.GetLs().get(10)+'\n';
        my+="      : "+srs0.GetLs().get(11);
    }
    str+=GetHp().GetHtmlArea(70,10,480,220,"",font,color,color,bgcolor,"12","5","20",my);
    //////////////////////////////////////
    int NumOrders=0;
    int NumOrdersColumn=0;
    ShopResultSet srs=GetInfoAboutOrders();
    if (srs!=null)
    {
        NumOrders=srs.Getcount();
        NumOrdersColumn=srs.GetcountHead();
    }
    if (srs!=null)
    {

```

```

int NumGoodsInEveryOrder=0;
int NumGoodsInEveryOrderColumn=0;
H+=firstTop;
int k=0;
for (int i=0;i<NumOrders;i++)
{
    AllCost=0;
    str+=GetHp().GetHtmlText(firstTop+8,10,140,30,"ID",font,color,"12",true);
    str+=GetHp().GetHtmlText(firstTop+8+26,10,140,30,"",font,color,"12",true);
    str+=GetHp().GetHtmlText(firstTop+8+26*2,10,140,30,"",font,color,"12",true);
    str+=GetHp().GetHtmlText(firstTop+8+26*3,10,140,30,"",font,color,"12",true);
    str+=GetHp().GetHtmlText(firstTop+8+26*4,10,140,30,"",font,color,"12",true);
    str+=GetHp().GetHtmlText(firstTop+8+26*5,10,140,30,"( . . )",font,color,"12",true);
    str+=GetHp().GetHtmlEdit(firstTop+10,150,230,23,true,"no",font,
        12,bgcolor,color,borcolor,String.valueOf(srs.GetLs().get(k)), "text", "");
    str+=GetHp().GetHtmlEdit(firstTop+10+26,150,230,23,true,"no",font,
        12,bgcolor,color,borcolor,String.valueOf(srs.GetLs().get(k+1)), "text", "");
    if ((Integer)srs.GetLs().get(k+2)==0) STATUS="";
    if ((Integer)srs.GetLs().get(k+2)==1) STATUS="";
    if ((Integer)srs.GetLs().get(k+2)==2) STATUS="";
    str+=GetHp().GetHtmlEdit(firstTop+10+26*2,150,230,23,true,"no",font,
        12,bgcolor,color,borcolor,STATUS, "text", "");
    str+=GetHp().GetHtmlEdit(firstTop+10+26*3,150,230,23,true,"no",font,
        12,bgcolor,color,borcolor,String.valueOf(srs.GetLs().get(k+3)), "text", "");
    str+=GetHp().GetHtmlEdit(firstTop+10+26*4,150,230,23,true,"no",font,
        12,bgcolor,color,borcolor,String.valueOf(srs.GetLs().get(k+4)), "text", "");
    //
    AllCost+=(Float)srs.GetLs().get(k+5);
    //////////////////////////////////////////////////
    String ID=String.valueOf(srs.GetLs().get(k));
    ShopResultSet srs2=GetInfoAboutGoodsInOrder(ID);
    if (srs2!=null)
    {
        NumGoodsInEveryOrder=srs2.Getcount();
        NumGoodsInEveryOrderColumn=srs2.GetcountHead();
    }
    if (srs2!=null)
    {
        String value="";
        value=" : '+'\n';
        int p=0;
        for (int j=0;j<NumGoodsInEveryOrder;j++)
        {
            float w=(Float)srs2.GetLs().get(p+2);
            value+=" #"+String.valueOf(j+1)+" : "+String.valueOf(srs2.GetLs().get(p))+
                "+String.valueOf(srs2.GetLs().get(p+1))+" ."+
                "+GetFormat(w)+'\n';
            AllCost+=(Float)srs2.GetLs().get(p+2);
            p+=NumGoodsInEveryOrderColumn;
        }
        float z=(Float)srs.GetLs().get(k+5);
        value+=" : "+GetFormat(z);
        str+=GetHp().GetHtmlArea(firstTop+10,400,590,152,"",font,color,color,
            bgcolor,"12","5","20",value);
    }
    //////////////////////////////////////////////////
    str+=GetHp().GetHtmlEdit(firstTop+10+26*5,150,230,23,true,"no",font,
        12,bgcolor,color,borcolor,GetFormat(AllCost), "text", "");
    //////////////////////////////////////////////////
    k+=NumOrdersColumn;
    firstTop+=170;
    H+=170;
}
H+=50;
} else H=900;
if (NumOrders<3) H=900;
str+=GetHp().GetHtmlWindow(0,0,1004,H,"E3E3E3")+str;
return str;
}
}

```

## 1.2.2 PLSQLStoredUser.java

```

////////////////////////////////08.02.2007 1////////////////////////////////
package shop.client;
import oracle.jdbc.*;
import oracle.sql.*;
import java.sql.*;

```

```

import shop.storekeeper.*;
/**
 *
 */
public class PLSQLStoredUser
{
    private String OwnerTable;
    private synchronized void SetOwnerTable(String a){OwnerTable=a;}
    private String GetOwnerTable(){return OwnerTable;}
    private PLSQLStored ps;
    private synchronized void Setps(PLSQLStored a){ps=a;}
    private PLSQLStored Getps(){return ps;}
    private long AllClient;
    private long AllGoods;
    private synchronized void SetAllClient(long a){AllClient=a;}
    private synchronized void SetAllGoods(long a){AllGoods=a;}
    /**
     *
     * @return
     */
    public long GetAllClient(){return AllClient;}

    /**
     *
     * @return
     */
    public long GetAllGoods(){return AllGoods;}
    ///////////////////////////////////////////////////
    private boolean GetValidWord(String str)
    {
        int ConstCode1=64;
        int ConstCode2=1040;
        for (int j=ConstCode2;j<ConstCode2+ConstCode1;j++)
        {
            String in="#"+String.valueOf(j)+" ";
            if (str.indexOf(in)>-1)
                return true; //
        }
        return false;
    }
    /////////////////////////////////////////////////// SQL- ///////////////////////////////////////////////////
    private boolean FiltersQL(String str)
    {
        String [] NotSql={"union", ""};
        String NewLowerCase=str.toLowerCase(); //
        for (int i=0;i<NotSql.length;i++)
            if (NewLowerCase.indexOf(NotSql[i])>-1)
                return true;
        return false;
    }
    /**
     *
     * @param OwnerTable <B> </B>
     */
    public PLSQLStoredUser(String OwnerTable)
    {
        SetOwnerTable(OwnerTable);
        Setps(new PLSQLStored(GetOwnerTable()));
    }
    /**
     * SQL-
     * @param Category <B> </B>
     * @param Cost <B> </B>
     * @param Mark <B> </B>
     * @param Brend <B> </B>
     * @return SQL
     */
    public String ViewGoods(String Category, String Cost, String Mark, String Brend)
    {
        if (Category==null || Cost==null || Mark==null || Brend==null) return "";
        float cost=0;
        try
        {
            if (Cost.length()>0) //
                cost=Float.valueOf(Cost);
        }
        catch (Exception e){System.out.println(e.getMessage()); return "";}
        if (Cost.length()>0 && cost<0) return "";
        if (!Mark.equals(">")&&!Mark.equals(">=")&&!Mark.equals("<")&&
            !Mark.equals("<=")&&!Mark.equals("=")) return "";
    }
}

```

```

if (FilterSQL(Brend) || FilterSQL(Category)) return "";
////////////////////////////////////
String str="";
str=str+"SELECT TABLE_GOODS.ID, " +
"TABLE_GOODS.NAME, TABLE_CATEGORY.NAME, CHARACTERISTICS, BREND, " +
"DESCRIPTION, WARRANTY_PERIOD, COST, IMAGE_ID " +
" FROM "+GetOwnerTable()+" .TABLE_GOODS, "+GetOwnerTable()+" .TABLE_CATEGORY " +
" WHERE (TABLE_CATEGORY.ID=TABLE_GOODS.CATEGORY_ID) ";
if (Category.length()!=0 || Cost.length()!=0 || Brend.length()!=0)
{
String str1="";
String str2="";
String str3="";
if (Category.length()!=0) str1="(TABLE_CATEGORY.NAME='"+Category+"')";
else str1="(TABLE_CATEGORY.NAME=TABLE_CATEGORY.NAME)";
if (Brend.length()!=0) str2="(BREND='"+Brend+"')"; else str2="(BREND=BREND)";
if (Cost.length()!=0) str3="(COST'+Mark+Cost+' )"; else str3="(COST=COST)";
str=str+"AND "+str1+"AND "+str2+"AND "+str3;
}
str+=" ORDER BY ID";
return str;
}
/**
 *
 * @param conn <B> - </B>
 */
public void GetInfoAboutGoodsAndClients(Connection conn)
{
if (conn!=null)
try
{
CallableStatement cstmt;
cstmt = conn.prepareCall
("{"call "+GetOwnerTable()+" .GET_INFO_CLIENT_GOODS(?,?)}");
cstmt.registerOutParameter(1, OracleTypes.NUMBER);
cstmt.registerOutParameter(2, OracleTypes.NUMBER);
cstmt.execute();
SetAllClient(((OracleCallableStatement)cstmt).getInt(1));
SetAllGoods(((OracleCallableStatement)cstmt).getInt(2));
cstmt.close();
}
catch (SQLException e){System.out.println(e.getMessage());}
}
/**
 *
 * , "ID1;ID2;...;IDn".
 * , ID,
 *
 * @param conn <B> - </B>
 * @param find <B> , </B>
 * @return </B>
 */
public ShopResultSet GetFindGoodsId(Connection conn, String find)
{
if (conn==null || find==null) return null;
if (find.length()==0) return null;
String out="";
try
{
CallableStatement cstmt;
cstmt = conn.prepareCall("{? = call "+GetOwnerTable()+" .FIND_STRING(?)}");
cstmt.registerOutParameter(1, OracleTypes.VARCHAR);
cstmt.setString(2, find);
cstmt.execute();
out=((OracleCallableStatement)cstmt).getString(1); //
cstmt.close();
}
catch (SQLException e){System.out.println(e.getMessage());return null;}
if (out!=null){if (out.length()==0) return null;}
else return null; //
String SQL="";
SQL="SELECT TABLE_GOODS.ID, TABLE_GOODS.NAME, TABLE_CATEGORY.NAME, " +
"CHARACTERISTICS, BREND, DESCRIPTION, WARRANTY_PERIOD, COST, IMAGE_ID " +
"FROM "+GetOwnerTable()+" .TABLE_GOODS, "+GetOwnerTable()+" .TABLE_CATEGORY " +
"WHERE (TABLE_CATEGORY.ID=TABLE_GOODS.CATEGORY_ID)AND (" ;
boolean flag=false;
String current=out;
int size=out.length();
while (size>0)
{
int i=current.indexOf(";");

```



```

        String id=current.substring(0,i); //          id
        current=current.substring(i+1,size); //
        size-=i+1;
        SQL+="(TABLE_GOODS.ID="+id+")OR";
    }
    SQL+="(0=1)) ORDER BY ID"; //          OR          (          ,
    //
    return Getps().SQLSelect(conn,SQL,true); //
}
/**
 * @param conn <B>          -          </B>
 * @param BasketListToStr <B>          </B>
 * @param UID <B>          </B>
 * @param PID <B>          </B>
 * @param DID <B>          </B>
 * @return >0 - ID          ,          <Br>0 -
 * <Br>-1 -
 * <Br>-2 -
 */
public int RegistrationOrder(Connection conn, String BasketListToStr,
                             int UID, int PID, int DID)
{
    if (conn==null || BasketListToStr==null || UID<=0 || PID<=0 || DID<=0) return -4;
    int status=-2; //          =
    int MAX=5; //          ,
    //
    int i=0; //          .
    boolean flag=false;
    try
    {
        while (i<MAX && flag==false)
        {
            CallableStatement cstmt;
            cstmt = conn.prepareCall("{? = call "+GetOwnerTable()+".REGISTRATION_ORDER(?,?,?,?)}");
            cstmt.setString(2,BasketListToStr);
            cstmt.setInt(3,UID);
            cstmt.setInt(4,PID);
            cstmt.setInt(5,DID);
            cstmt.registerOutParameter(1, OracleTypes.NUMBER);
            cstmt.execute();
            status=((OracleCallableStatement)cstmt).getInt(1);
            cstmt.close();
            i++; //
            if (status!=-1) flag=true; //          -
            else Thread.sleep(500); //
        }
        return status;
    }
    catch (SQLException e){System.out.println(e.getMessage());return -2;}
    catch (Exception e){System.out.println(e.getMessage());return -2;}
}
/**
 * @param conn <B>          -          </B>
 * @param PLOGIN <B>          </B>
 * @param PPASSWORD <B>          </B>
 * @param PMAIL <B>          </B>
 * @param PPHONE <B>          </B>
 * @param PSNP <B>          </B>
 * @param PINDEXX <B>          </B>
 * @param PCOUNTRY <B>          </B>
 * @param PAREA <B>          </B>
 * @param PCITY <B>          </B>
 * @param PSTREET <B>          </B>
 * @param PHOUSE <B>          </B>
 * @param PCASES <B>          </B>
 * @param PAPARTMENT <B>          </B>
 * @param KeyFile <B>          </B>
 * @return User ID -          <Br>0 -          <Br>-1 -
 */
public int RegistrationUser(Connection conn, String PLOGIN, String PPASSWORD,
                             String PMAIL, String PPHONE, String PSNP,
                             String PINDEXX, String PCOUNTRY, String PAREA,
                             String PCITY, String PSTREET, String PHOUSE,
                             String PCASES, String PAPARTMENT, String KeyFile)
{
    if (conn==null || PLOGIN==null || PPASSWORD==null || PMAIL==null || PPHONE==null ||
        PSNP==null || PINDEXX==null || PCOUNTRY==null || PAREA==null || PCITY==null ||
        PSTREET==null || PHOUSE==null || PCASES==null || PAPARTMENT==null ||
        KeyFile==null) return -1;
    if (PLOGIN.length()==0 || PPASSWORD.length()==0 || PMAIL.length()==0 ||

```

```

PPHONE.length()==0 || PSNP.length()==0 || PINDEXX.length()==0 ||
PCOUNTRY.length()==0 || PAREA.length()==0 || PCITY.length()==0 ||
PSTREET.length()==0 || PHOUSE.length()==0 || PCASES.length()==0 ||
PAPARTMENT.length()==0) return -1;
try
{
    long PPHONE_=Long.valueOf(PPHONE);
    long PINDEXX_=Long.valueOf(PINDEXX);
    long PHOUSE_=Long.valueOf(PHOUSE);
    long PCASES_=Long.valueOf(PCASES);
    long PAPARTMENT_=Long.valueOf(PAPARTMENT);
    if (PPHONE_<=0 || PINDEXX_<=0 || PHOUSE_<=0 || PCASES_<0 || PAPARTMENT_<=0)
        return -1;
    if (GetValidWord(PLOGIN) | GetValidWord(PPASSWORD)) return -1;
    ///////////////////////////////////////////////////
    ShopCipher sc = new ShopCipher();
    String passCrypt=sc.ShopEncrypt(KeyFile,PPASSWORD); //
    if (passCrypt==null) return -1;
    byte[] b = new byte[passCrypt.length()]; //
    for (int i=0;i<passCrypt.length();i++)
        b[i]=(byte)passCrypt.charAt(i);
    ///////////////////////////////////////////////////
    int status=0;
    CallableStatement cstmt;
    cstmt = conn.prepareStatement("{? = call "+GetOwnerTable()+
        ".REGISTRATION(?,?,?,?,?,?,?,?,?)}" );
    cstmt.setString(2,PLOGIN);
    cstmt.setBytes(3,b);
    cstmt.setString(4,PMAIL);
    cstmt.setLong(5,PPHONE_);
    cstmt.setString(6,PSNP);
    cstmt.setLong(7,PINDEXX_);
    cstmt.setString(8,PCOUNTRY);
    cstmt.setString(9,PAREA);
    cstmt.setString(10,PCITY);
    cstmt.setString(11,PSTREET);
    cstmt.setLong(12,PHOUSE_);
    cstmt.setLong(13,PCASES_);
    cstmt.setLong(14,PAPARTMENT_);
    cstmt.registerOutParameter(1, OracleTypes.NUMBER);
    cstmt.execute();
    status=((OracleCallableStatement)cstmt).getInt(1);
    cstmt.close();
    return status;
}
catch (SQLException e){System.out.println(e.getMessage());return -1;}
catch (Exception e){System.out.println(e.getMessage());return -1;}
}
/**
 *
 *
 * @param conn <B> - </B>
 * @param login <B> </B>
 * @param password <B> </B>
 * @param key <B> </B>
 * @return 0 - <Br>User ID -
 */
public int AuthUser(Connection conn, String login, String password, String key)
{
    int status=0;
    if (conn==null || key==null || login==null || password==null) return 0;
    if (login.length()==0 || password.length()==0 || key.length()==0) return 0;
    try
    {
        ShopCipher sc = new ShopCipher();
        String f=key;
        String passCrypt=sc.ShopEncrypt(f,password);
        byte[] b = new byte[passCrypt.length()];
        for (int i=0;i<passCrypt.length();i++)
            b[i]=(byte)passCrypt.charAt(i);
        ///////////////////////////////////////////////////
        String PLSQLProc;
        PLSQLProc="{? = call "+GetOwnerTable()+".AUTH_USER(?, ?)}";
        CallableStatement cstmt = conn.prepareStatement(PLSQLProc);
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setString(2, login);
        cstmt.setBytes(3, b);
        cstmt.execute();
        status = ((OracleCallableStatement)cstmt).getInt(1);
        cstmt.close();
    }
}

```

}

### 1.2.3 PLSQLStored.java

```
////////////////////////////////////////////////////////////////////11.02.20071////////////////////////////////////
package shop.client;
import shop.storekeeper.*;
import java.sql.*;
import java.io.*;
import java.util.*;
import java.net.*;
import oracle.jdbc.*;
import oracle.sql.*;
/**
 *
 *
 * JDBC.
 */
public class PLSQLStored
{
    private final String SysOwner="SYSTEM";
    private String Owner;
    private synchronized void SetOwner(String a){Owner=a;}
    private String GetOwner(){return Owner;}
    private BLOB blob; //
    private synchronized void Setblob(BLOB b){blob=b;}
    private BLOB Getblob(){return blob;}
    private String AuthDate;
    private synchronized void SetAuthDate(String a) {AuthDate=a;}
    /**
     *
     * @return
     */
    public String GetAuthDate() {return AuthDate;}
    private ShopResultSet srsTAW;
    private ShopResultSet srsTW;
    private ShopResultSet srsTG;
    private ShopResultSet srsTWL;
    private ShopResultSet srsTI;
    private ShopResultSet srsTC;
    private ShopResultSet srsTS;
    private ShopResultSet srsTIM;
    private synchronized void SetsrsTAW(ShopResultSet a){srsTAW=a;}
    private synchronized void SetsrsTW(ShopResultSet a){srsTW=a;}
    public ShopResultSet GetsrsTAW(){return srsTAW;}
    public ShopResultSet GetsrsTW(){return srsTW;}
    private synchronized void SetsrsTG(ShopResultSet a){srsTG=a;}
    private synchronized void SetsrsTWL(ShopResultSet a){srsTWL=a;}
    public ShopResultSet GetsrsTG(){return srsTG;}
    public ShopResultSet GetsrsTWL(){return srsTWL;}
    private synchronized void SetsrsTI(ShopResultSet a){srsTI=a;}
    public ShopResultSet GetsrsTI(){return srsTI;}
    private synchronized void SetsrsTC(ShopResultSet a){srsTC=a;}
    private synchronized void SetsrsTS(ShopResultSet a){srsTS=a;}
    private synchronized void SetsrsTIM(ShopResultSet a){srsTIM=a;}
    public ShopResultSet GetsrsTC(){return srsTC;}
    public ShopResultSet GetsrsTS(){return srsTS;}
    public ShopResultSet GetsrsTIM(){return srsTIM;}
    //////////////////////////////////////////Exception////////////////////////////////////////
    String ExceptionAUTH;
    private synchronized void SetExceptionAUTH(String a){ExceptionAUTH=a;}
    public String GetExceptionAUTH(){return ExceptionAUTH;}
    String ExceptionSQLSelect;
    private synchronized void SetExceptionsSQLSelect(String a){ExceptionSQLSelect=a;}
    public String GetExceptionSQLSelect(){return ExceptionSQLSelect;}
    String ExceptionJSPWarehousesFirm;
    private synchronized void SetExceptionJSPWarehousesFirm(String a) {ExceptionJSPWarehousesFirm=a;}
    public String GetExceptionJSPWarehousesFirm() {return ExceptionJSPWarehousesFirm;}
    String ExceptionJSPWaybillsGoods;
    private synchronized void SetExceptionJSPWaybillsGoods(String a) {ExceptionJSPWaybillsGoods=a;}
    public String GetExceptionJSPWaybillsGoods() {return ExceptionJSPWaybillsGoods;}
    String ExceptionJSPGoodsWarehouses;
    private synchronized void SetExceptionJSPGoodsWarehouses(String a){ExceptionJSPGoodsWarehouses=a;}
}
```

```

public String GetExceptionJSPGoodsWarehouses(){return ExceptionJSPGoodsWarehouses;}
String ExceptionJSPGoods;
private synchronized void SetExceptionJSPGoods(String a){ExceptionJSPGoods=a;}
public String GetExceptionJSPGoods(){return ExceptionJSPGoods;}
String ExceptionADD_WAREHOUSES;
private synchronized void SetExceptionADD_WAREHOUSES(String a){ExceptionADD_WAREHOUSES=a;}
public String GetExceptionADD_WAREHOUSES(){return ExceptionADD_WAREHOUSES;}
String ExceptionISSUE_WAYBILL;
private synchronized void SetExceptionISSUE_WAYBILL(String a){ExceptionISSUE_WAYBILL=a;}
public String GetExceptionISSUE_WAYBILL(){return ExceptionISSUE_WAYBILL;}
String ExceptionREGISTRATION_NEW_GOODS;
private synchronized void SetExceptionREGISTRATION_NEW_GOODS(String a)
{ExceptionREGISTRATION_NEW_GOODS=a;}
public String GetExceptionREGISTRATION_NEW_GOODS()
{return ExceptionREGISTRATION_NEW_GOODS;}
String ExceptionADD_SUPPLIER;
private synchronized void SetExceptionADD_SUPPLIER(String a){ExceptionADD_SUPPLIER=a;}
public String GetExceptionADD_SUPPLIER(){return ExceptionADD_SUPPLIER;}
String ExceptionADD_CATEGORY;
private synchronized void SetExceptionADD_CATEGORY(String a){ExceptionADD_CATEGORY=a;}
public String GetExceptionADD_CATEGORY(){return ExceptionADD_CATEGORY;}
String ExceptionADD_PAYMENT;
private synchronized void SetExceptionADD_PAYMENT(String a){ExceptionADD_PAYMENT=a;}
public String GetExceptionADD_PAYMENT(){return ExceptionADD_PAYMENT;}
String ExceptionSetImageInBase;
private synchronized void SetExceptionSetImageInBase(String a){ExceptionSetImageInBase=a;}
public String GetExceptionSetImageInBase(){return ExceptionSetImageInBase;}
String ExceptionADD_DELIVERY;
private synchronized void SetExceptionADD_DELIVERY(String a){ExceptionADD_WAREHOUSES=a;}
public String GetExceptionADD_DELIVERY(){return ExceptionADD_WAREHOUSES;}
/**
 * @param Owner <B> . </B>
 */
public PLSQLStored(String Owner)
{
    SetOwner(Owner);
    SetAuthDate("");
}
/**
 * . Web-
 *
 * @param conn <B> - </B>
 * @param login <B> </B>
 * @param password <B> </B>
 * @param key <B> </B>
 * @return 0 - <Br>1 -
 */
public int Auth(Connection conn, String login, String password, String key)
{
    int status=0;
    if (conn==null || key==null || login==null || password==null) return 0;
    if (login.length()==0 || password.length()==0 || key.length()==0) return 0;
    try
    {
        ShopCipher sc = new ShopCipher();
        String f=key;
        String passCrypt=sc.ShopEncrypt(f,password);
        byte[] b = new byte[passCrypt.length()];
        for (int i=0;i<passCrypt.length();i++)
            b[i]=(byte)passCrypt.charAt(i);
        //////////////////////////////////////
        String PLSQLProc;
        PLSQLProc="{? = call "+SysOwner+".AUTH(?, ?, ?)}";
        CallableStatement cstmt = conn.prepareCall(PLSQLProc);
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setString(2, login);
        cstmt.setBytes(3, b);
        cstmt.registerOutParameter(4, OracleTypes.DATE);
        cstmt.execute();
        status = ((OracleCallableStatement)cstmt).getInt(1);
        SetAuthDate(((OracleCallableStatement)cstmt).getDate(4)+" "+
            ((OracleCallableStatement)cstmt).getTime(4));
        cstmt.close();
        return status;
    }
    catch (SQLException e){SetExceptionAUTH(e.getMessage()); return -1;}
    catch (Exception e){SetExceptionAUTH(e.getMessage()); return -1;}
}
/**

```

```

*
* @param conn <B>          SQL          .
* @param SQL <B>SQL-      -          </B>
* @param EsClobView <B>          List          CLOB-          </B>
* @return          ShopResultSet,          null
*/
public ShopResultSet SQLSelect(Connection conn, String SQL, boolean EsClobView)
{
    if (conn!=null && SQL!=null)
    {
        if (SQL.length()!=0)
        {
            try
            {
                //
                //
                //
                conn.commit();
                conn.setTransactionIsolation(conn.TRANSACTION_SERIALIZABLE);
                Statement st = conn.createStatement();
                ResultSet rset = st.executeQuery(SQL);
                conn.commit(); // - conn.TRANSACTION_READ_COMMITTED
                ShopResultSet SRS = new ShopResultSet();
                SRS.SetEsClobView(EsClobView);
                SRS.GetResultSet(rset);
                return SRS;
            }
            catch (SQLException e){SetExceptionSQLSelect(e.getMessage());return null;}
            catch (Exception e){SetExceptionSQLSelect(e.getMessage());return null;}
        }
        else return null;
    }
    else return null;
}
/**
*
* @param conn <B>          -          WarehousesFirm.jsp.
* @param conn <B>          -          </B>
*/
public void JSPWarehousesFirm(Connection conn)
{
    if (conn!=null)
    try
    {
        String PLSQLProc;
        PLSQLProc="{CALL "+GetOwner()+" .PACKAGESHOP.JSPWF(?, ?)}";
        CallableStatement cstmt = conn.prepareCall(PLSQLProc);
        cstmt.registerOutParameter(1, OracleTypes.CURSOR);
        cstmt.registerOutParameter(2, OracleTypes.CURSOR);
        cstmt.execute();
        ////////////////////////////////////////////////// SRS//////////////////////////////////////
        ShopResultSet SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(1));
        SetsrsTAW(SRS);
        SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(2));
        SetsrsTW(SRS);
        cstmt.close();
    }
    catch (SQLException e){SetExceptionJSPWarehousesFirm(e.getMessage());}
}
/**
*
* @param conn <B>          -          WaybillsGoods.jsp.
* @param conn <B>          -          </B>
*/
public void JSPWaybillsGoods(Connection conn)
{
    if (conn!=null)
    try
    {
        String PLSQLProc;
        PLSQLProc="{CALL "+GetOwner()+" .PACKAGESHOP.JSPWG(?, ?, ?)}";
        CallableStatement cstmt = conn.prepareCall(PLSQLProc);
        cstmt.registerOutParameter(1, OracleTypes.CURSOR);
        cstmt.registerOutParameter(2, OracleTypes.CURSOR);
        cstmt.registerOutParameter(3, OracleTypes.CURSOR);
        cstmt.execute();
        ////////////////////////////////////////////////// SRS//////////////////////////////////////
        ShopResultSet SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(1));
        SetsrsTG(SRS);
        SRS = new ShopResultSet();
    }
}

```

```

        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(2));
        SetsrsTW(SRS);
        SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(3));
        SetsrsTWL(SRS);
        cstmt.close();
    }
    catch (SQLException e){SetExceptionJSPWaybillsGoods(e.getMessage());}
}
/**
 *
 * GoodsWarehouses.jsp.
 * @param conn <B>          -          </B>
 */
public void JSPGoodsWarehouses(Connection conn)
{
    if (conn!=null)
    try
    {
        String PLSQLProc;
        PLSQLProc="{CALL "+GetOwner()+" .PACKAGESHOP.JSPGW(?, ?, ?)}";
        CallableStatement cstmt = conn.prepareCall(PLSQLProc);
        cstmt.registerOutParameter(1, OracleTypes.CURSOR);
        cstmt.registerOutParameter(2, OracleTypes.CURSOR);
        cstmt.registerOutParameter(3, OracleTypes.CURSOR);
        cstmt.execute();
        ////////////////////////////////// SRS////////////////////////////////////
        ShopResultSet SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(1));
        SetsrsTW(SRS);
        SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(2));
        SetsrsTG(SRS);
        SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(3));
        SetsrsTI(SRS);
        cstmt.close();
    }
    catch (SQLException e){SetExceptionJSPGoodsWarehouses(e.getMessage());}
}
/**
 *
 * Goods.jsp.
 * @param conn <B>          -          </B>
 */
public void JSPGoods(Connection conn)
{
    if (conn!=null)
    try
    {
        String PLSQLProc;
        PLSQLProc="{CALL "+GetOwner()+" .PACKAGESHOP.JSPG(?, ?, ?)}";
        CallableStatement cstmt = conn.prepareCall(PLSQLProc);
        cstmt.registerOutParameter(1, OracleTypes.CURSOR);
        cstmt.registerOutParameter(2, OracleTypes.CURSOR);
        cstmt.registerOutParameter(3, OracleTypes.CURSOR);
        cstmt.execute();
        ////////////////////////////////// SRS////////////////////////////////////
        ShopResultSet SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(1));
        SetsrsTG(SRS);
        SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(2));
        SetsrsTC(SRS);
        SRS = new ShopResultSet();
        SRS.GetResultSet(((OracleCallableStatement)cstmt).getCursor(3));
        SetsrsTS(SRS);
        ////////////////////////////////// TABLE_IMAGE////////////////////////////////
        ShopResultSet R =
            SQLSelect(conn,"SELECT ID FROM "+GetOwner()+" .TABLE_IMAGE ORDER BY ID",false);
        SetsrsTIM(R);
        cstmt.close();
    }
    catch (SQLException e){SetExceptionJSPGoods(e.getMessage());}
}
/**
 *
 * @param conn <B>          -          </B>
 * @param name <B>          </B>
 * @param country <B>          </B>
 * @param area <B>          </B>
 * @param city <B>          </B>

```

```

* @param street <B>          </B>
* @param house <B>           </B>
* @return 0 -                 <Br>1 -
*/
public int ADD_WAREHOUSES(Connection conn, String name, String country,
                          String area, String city, String street,
                          String house)
{
    if (conn==null || name==null || country==null || area==null || city==null ||
        street==null || house==null) return 0;
    try
    {
        //////////////////////////////////////
        if (name.length()==0 || country.length()==0 || area.length()==0 ||
            city.length()==0 || street.length()==0 || house.length()==0)
            return 0;
        int House=Integer.valueOf(house);
        //////////////////////////////////////
        int status;
        CallableStatement cstmt;
        cstmt = conn.prepareStatement
            ("{"? = call "+GetOwner()+"."+ADD_WAREHOUSES(?,?,?,?);"}");
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setString(2,name);
        cstmt.setString(3,country);
        cstmt.setString(4,area);
        cstmt.setString(5,city);
        cstmt.setString(6,street);
        cstmt.setInt(7,House);
        cstmt.execute();
        status=((OracleCallableStatement)cstmt).getInt(1);
        cstmt.close();
        return status;
    }
    catch (SQLException e){SetExceptionADD_WAREHOUSES(e.getMessage()); return 0;}
    catch (Exception e){SetExceptionADD_WAREHOUSES(e.getMessage()); return 0;}
}
/**
 *
 * @param conn <B>          -          </B>
 * @param WID <B>           </B>
 * @param GID <B>           </B>
 * @param AMOUNT <B>        </B>
 * @return 0 -              <Br>1 -      <Br>2 -
 */
public int ISSUE_WAYBILL(Connection conn, String WID, String GID, String AMOUNT)
{
    if (conn==null || WID==null || GID==null || AMOUNT==null) return 0;
    try
    {
        //////////////////////////////////////
        if (WID.length()==0 || GID.length()==0 || AMOUNT.length()==0)
            return 0;
        int wid=Integer.valueOf(WID);
        int gid=Integer.valueOf(GID);
        int amount=Integer.valueOf(AMOUNT);
        //////////////////////////////////////
        int status;
        CallableStatement cstmt;
        cstmt = conn.prepareStatement
            ("{"? = call "+GetOwner()+"."+ISSUE_WAYBILL(?,?,?);"}");
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setInt(2,wid);
        cstmt.setInt(3,gid);
        cstmt.setInt(4,amount);
        cstmt.execute();
        status=((OracleCallableStatement)cstmt).getInt(1);
        cstmt.close();
        return status;
    }
    catch (SQLException e){SetExceptionISSUE_WAYBILL(e.getMessage()); return 0;}
    catch (Exception e){SetExceptionISSUE_WAYBILL(e.getMessage()); return 0;}
}
//////////////////////////////////// #.# => #,# Oracle////////////////////////////////////
private String GetOracleFloatFormat(String COST)
{
    String OraNumber="";
    for (int i=0;i<COST.length();i++)
        if (COST.charAt(i)=='.') OraNumber+=", ";
        else OraNumber+=COST.charAt(i);
}

```

```

    return OraNumber;
}
////////////////////////////////////
private byte [] FtpDownload(String url)
{
    try
    {
        List ls=Collections.synchronizedList(new ArrayList()); //
        URL Url = new URL("ftp://" +url);
        InputStream in = Url.openStream();
        while (in.available()!=0){} //
        int size=in.available(); // 2,4,8
        boolean flag=false;
        int allsize=0; //
        int lastsize=0; //
        int currentsize=size; //
        while (flag==false)
        {
            byte[] buffer=new byte[size];
            int buf=in.read(buffer,0,size);
            ls.add(buffer);
            if (size>buf)
            {
                flag=true; //
                lastsize=buf;
            }
            allsize+=buf;
            size=buf;
        }
        in.close();
        //////////////////////////////////////
        int len=0;
        int k=0; //
        byte [] newbuffer = new byte[allsize];
        for (int i=0;i<ls.size();i++)
        {
            byte [] temp = new byte[currentsize];
            temp = (byte [])ls.get(i);
            if (i==ls.size()-1) len=lastsize; else len=currentsize;
            for (int j=0;j<len;j++)
                newbuffer[j+k]=temp[j];
            k+=currentsize; //
        }
        return newbuffer;
    }
    catch (MalformedURLException e){System.out.println(e.getMessage()); return null;}
    catch (IOException e){System.out.println(e.getMessage()); return null;}
}
////////////////////////////////////
private void SetImageInBase(String remotefile)
{
    // BLOB
    if (remotefile!=null)
    try
    {
        byte [] buffer = FtpDownload(remotefile);
        if (buffer!=null)
        {
            OutputStream o = Getblob().getBinaryOutputStream();
            for (int i=0;i<buffer.length;i++)
                o.write(buffer,i,1);
            o.close(); // BLOB
            Setblob(null); //
        }
    }
    catch (SQLException e){SetExceptionSetImageInBase(e.getMessage());
    System.out.println(e.getMessage());}
    catch (IOException e){SetExceptionSetImageInBase(e.getMessage());
    System.out.println(e.getMessage());}
}
/**
 * @param conn <B> - </B>
 * @param name <B> </B>
 * @param CID <B> </B>
 * @param CH <B> </B>
 * @param Brend <B> </B>
 * @param DN <B> </B>
 * @param WP <B> </B>
 * @param SID <B> </B>
 * @param COST <B> </B>
 * @param file <B> </B>

```



```

* @return 0 -          <Br>1 -
*/
public int REGISTRATION_NEW_GOODS(Connection conn,
                                   String name, String CID, String CH,
                                   String Brend, String DN, String WP,
                                   String SID, String COST, String file)
{
    if (conn==null || name==null || CID==null || CH==null ||
        Brend==null || DN==null || WP==null || SID==null ||
        SID==null || COST==null || file==null) return 0;
    try
    {
        //////////////////////////////////////
        if (name.length()==0 || CH.length()==0 || Brend.length()==0 ||
            DN.length()==0 || file.length()==0) return 0;
        int cid=Integer.valueOf(CID);
        int sid=Integer.valueOf(SID);
        int wp=Integer.valueOf(WP);
        double cost=Double.valueOf(COST);
        if (wp<0 || wp >99) return 0;
        if (cid<0 || sid <0) return 0;
        //////////////////////////////////////
        String PLSQLFunc;
        PLSQLFunc="{? = call "+GetOwner()+".REGISTRATION_NEW_GOODS(?, ?, ?, ?, ?, ?, ?, ?)}";
        CallableStatement cstmt;
        cstmt = conn.prepareStatement(PLSQLFunc);
        cstmt.registerOutParameter(1, OracleTypes.NUMBER);
        cstmt.setString(2,name);
        cstmt.setInt(3,Integer.valueOf(CID));
        cstmt.setString(4,CH);
        cstmt.setString(5,Brend);
        cstmt.setString(6,DN);
        cstmt.setInt(7,Integer.valueOf(WP));
        cstmt.setInt(8,Integer.valueOf(SID));
        cstmt.setString(9,GetOracleFloatFormat(COST));
        cstmt.execute();
        int IM=((OracleCallableStatement)cstmt).getInt(1);
        cstmt.close();
        //
        //
        if (IM>0)
        {
            Statement stmt = conn.createStatement();
            ResultSet rs = stmt.executeQuery
                ("SELECT BLOBS FROM "+GetOwner()+"TABLE_IMAGE WHERE ID="+
                 String.valueOf(IM)+" FOR UPDATE NOWAIT");
            while (rs.next()) //
            {
                BLOB blob = ((OracleResultSet)rs).getBLOB(1);
                Setblob(blob);
                SetImageInBase(file);
            }
            rs.close();
            stmt.close();
            conn.commit();
        }
        return 1;
    }
    catch(SQLException e){SetExceptionREGISTRATION_NEW_GOODS(e.getMessage());return 0;}
    catch(Exception e){SetExceptionREGISTRATION_NEW_GOODS(e.getMessage());return 0;}
}
/**
 *
 * @param conn <B>          -          </B>
 * @param way <B>          </B>
 * @param cost <B>          </B>
 * @return 0 -          <Br>1 -
 */
public int ADD_DELIVERY(Connection conn, String way, String cost)
{
    if (conn==null || way==null || cost==null) return 0;
    try
    {
        if (way.length()==0 || cost.length()==0)
            return 0;
        float Cost=Float.valueOf(cost);
        //////////////////////////////////////
        int status;
        CallableStatement cstmt;
        cstmt = conn.prepareStatement

```

```

        ("{"? = call "+GetOwner()+"ADD_DELIVERY(?,?)");
        pstmt.registerOutParameter(1, OracleTypes.NUMBER);
        pstmt.setString(2, way);
        pstmt.setString(3, GetOracleFloatFormat(cost));
        pstmt.execute();
        status=((OracleCallableStatement)pstmt).getInt(1);
        pstmt.close();
        return status;
    }
    catch (SQLException e){SetExceptionADD_DELIVERY(e.getMessage()); return 0;}
    catch (Exception e){SetExceptionADD_DELIVERY(e.getMessage()); return 0;}
}
/**
 *
 * @param conn <B>          -          </B>
 * @param way <B>            </B>
 * @param cost <B>          </B>
 * @return 0 -               <Br>1 -
 */
public int ADD_PAYMENT(Connection conn, String way, String cost)
{
    if (conn==null || way==null || cost==null) return 0;
    try
    {
        if (way.length()==0 || cost.length()==0)
            return 0;
        float Cost=Float.valueOf(cost);
        ///////////////////////////////////////////////////////////////////
        int status;
        CallableStatement pstmt;
        pstmt = conn.prepareCall
            ("{"? = call "+GetOwner()+"ADD_PAYMENT(?,?)");
        pstmt.registerOutParameter(1, OracleTypes.NUMBER);
        pstmt.setString(2, way);
        pstmt.setString(3, GetOracleFloatFormat(cost));
        pstmt.execute();
        status=((OracleCallableStatement)pstmt).getInt(1);
        pstmt.close();
        return status;
    }
    catch (SQLException e){SetExceptionADD_PAYMENT(e.getMessage()); return 0;}
    catch (Exception e){SetExceptionADD_PAYMENT(e.getMessage()); return 0;}
}
/**
 *
 * @param conn <B>          -          </B>
 * @param name <B>          </B>
 * @return 0 -               <Br>1 -
 */
public int ADD_SUPPLIER(Connection conn, String name)
{
    if (conn==null || name==null) return 0;
    try
    {
        if (name.length()==0)
            return 0;
        ///////////////////////////////////////////////////////////////////
        int status;
        CallableStatement pstmt;
        pstmt = conn.prepareCall
            ("{"? = call "+GetOwner()+"ADD_SUPPLIER(?)");
        pstmt.registerOutParameter(1, OracleTypes.NUMBER);
        pstmt.setString(2, name);
        pstmt.execute();
        status=((OracleCallableStatement)pstmt).getInt(1);
        pstmt.close();
        return status;
    }
    catch (SQLException e){SetExceptionADD_SUPPLIER(e.getMessage()); return 0;}
    catch (Exception e){SetExceptionADD_SUPPLIER(e.getMessage()); return 0;}
}
/**
 *
 * @param conn <B>          -          </B>
 * @param name <B>          </B>
 * @return 0 -               <Br>1 -
 */
public int ADD_CATEGORY(Connection conn, String name)
{
    if (conn==null || name==null) return 0;
    try

```

```

{
    if (name.length()==0)
        return 0;
    ///////////////////////////////////////////////////
    int status;
    CallableStatement cstmt;
    cstmt = conn.prepareCall
        ("{"? = call "+GetOwner()+"."+ADD_CATEGORY(?)}"");
    cstmt.registerOutParameter(1, OracleTypes.NUMBER);
    cstmt.setString(2,name);
    cstmt.execute();
    status=((OracleCallableStatement)cstmt).getInt(1);
    cstmt.close();
    return status;
}
catch (SQLException e){SetExceptionADD_CATEGORY(e.getMessage()); return 0;}
catch (Exception e){SetExceptionADD_CATEGORY(e.getMessage()); return 0;}
}
}

```

## 1.2.4 Basket.java

```

////////////////////////////////03.02.2007          1////////////////////////////////
package shop.client;
import java.util.*;
import java.text.*;
/**
 *
 *
 *
 *
 *
 *
 */
public class Basket
{
    private final String font = "Trebuchet MS";
    private HtmlPage Hp;
    private synchronized void SetHp(HtmlPage a){Hp=a;}
    private HtmlPage GetHp(){return Hp;}
    ///////////////////////////////////////////////////
    private int id;
    private synchronized void Setid(int a){id=a;}
    private int Getid(){return id;}
    private int amount;
    private synchronized void Setamount(int a){amount=a;}
    private int Getamount(){return amount;}
    private float Cost;
    private synchronized void SetCost(float a){Cost=a;}
    private float GetCost(){return Cost;}
    private String name;
    private synchronized void Setname(String a){name=a;}
    private String Getname(){return name;}
    ///////////////////////////////////////////////////
    private List BasketList; //
    private synchronized void SetBasketList(List a){BasketList=a;}
    private List GetBasketList(){return BasketList;}
    private float [] mas; //          3          :          ,          ,
    private synchronized void Setmas(float [] a){mas=a;}
    private float [] Getmas(){return mas;}
    private float Sum;
    private synchronized void SetSum(float a){Sum=a;}
    /**
     *
     * @return
     */
    public float GetSum(){return Sum;}
    ///////////////////////////////////////////////////          ID,AMOUNT,COST          index//////////
    private void GetBasketList(int index) //
    {
        //          GetBasketList(index)
        //          -          3          -
        Object o = GetBasketList().get(index*2); //
        Setmas((float [])o); //          3          -
    }
    ///////////////////////////////////////////////////          //
    private String GetFormat(float f)
    {

```

```

    NumberFormat Df = new DecimalFormat("0.00");
    return Df.format(f);
}
// ( * 1 ) , . ,
private void GetOtherInfoFromBasket(int i)
{
    GetBasketList(i); // mas[] i
    Setid((int)Getmas()[0]);
    Setamount((int)Getmas()[1]);
    SetCost(amount*((float)Getmas()[2])); //
    Setname(String.valueOf(GetBasketList().get(i*2+1))); // + 1 = name
}
/**
 *
 */
public Basket()
{
    SetBasketList(Collections.synchronizedList(new ArrayList()));
    SetHp(new HtmlPage());
}
/**
 *
 * @return
 */
public int GetNumGoodsBasket()
{
    // n => 2*n : ((a11,a12,a13),b11)..((an1,an2,an3),bn1)
    //b - , a - - (ID, , )
    return (GetBasketList().size()/2);
}
/**
 *
 * @return
 */
public int GetNumAllBasket()
{
    int all=0;
    for (int i=0;i<GetNumGoodsBasket();i++)
    {
        GetBasketList(i); // mas[]
        all+=Getmas()[1]; //
    }
    return all;
}
/**
 *
 * : A1:B1;...;An:Bn; . A -
 * B -
 * @return
 */
public String BasketListToStr()
{
    String str="";
    int size=GetNumGoodsBasket(); //
    for (int i=0;i<size;i++)
    {
        GetBasketList(i);
        float a=Getmas()[0]; // ID - = i
        float b=Getmas()[1]; //
        str=str+String.valueOf((int)a)+" "+String.valueOf((int)b)+" ";
    }
    return str;
}
/**
 *
 * @param id <B> </B>
 * @param amount <B> </B>
 * @param cost <B> </B>
 * @param name <B> </B>
 */
public void SaveBasketList(int id, int amount, float cost, String name)
{
    DelBasketList(id);
    AddBasketList(id, amount, cost, name);
}
/**
 *
 */
public void ClearBasket()
{
}

```

```

Setid(0);
Setamount(0);
SetCost(0);
SetName("");
GetBasketList().clear();
SetSum(0);
}
/**
 * @param Id <B> . </B>
 * @param Amount <B> </B>
 * @param Cost <B> </B>
 * @param Name <B> </B>
 */
public void AddBasketList(int Id, int Amount, float Cost, String Name)
{
    //-- , --//
    boolean flag=false;
    for (int i=0;i<GetNumGoodsBasket();i++)
    {
        GetBasketList(i);
        if (Getmas()[0]==Id)
            flag=true; // - - -
    }
    if (flag==false)
    {
        float CostT=0;
        Setmas(new float [3]); // a:b:c
        Getmas()[0]=Id;
        Getmas()[1]=Amount;
        Getmas()[2]=Cost;
        GetBasketList().add(Getmas()); // ( )
        GetBasketList().add(Name); // ( )
        //-----//
        SetSum(0);
        for (int j=0;j<GetNumGoodsBasket();j++)
        {
            GetBasketList(j);
            CostT=Getmas()[1]*Getmas()[2]; // = * 1
            SetSum(GetSum()+CostT);
        }
    }
}
/**
 * @param ID <B> . </B>
 */
public void DelBasketList(int ID)
{
    for (int i=0;i<GetNumGoodsBasket();i++)
    {
        GetBasketList(i);
        int id=(int)Getmas()[0];
        if (id==ID)
        {
            // = record + name = (id+amount+cost)+ name
            GetBasketList().remove(i*2);
            GetBasketList().remove(i*2); // record, name 1
        }
    }
    //-----//
    SetSum(0);
    for (int j=0;j<GetNumGoodsBasket();j++)
    {
        GetBasketList(j);
        float cost=Getmas()[2]*Getmas()[1]; // = * 1
        SetSum(GetSum()+cost);
    }
}
/**
 * html
 *
 * @return Html-
 */
public String HTMLViewBasket()
{
    String bgcolor="00B7FF";
    String color="000000";
    String borcolor="000000";
    HtmlPage hp = new HtmlPage();
    String str="";
    int top=200;

```

```

for (int i=0;i<GetNumGoodsBasket();i++)
{
    GetOtherInfoFromBasket(i);
    int id=Getid();
    int amount=Getamount();
    float cost=GetCost();
    String name=Getname();
    str+=GetHp().GetHtmlWindow(top,10,984,100,"E3E3E3");
    str+=GetHp().GetHtmlText(top+10,20,100,30,"",font,color,"12",true);
    str+=GetHp().GetHtmlText(top+40,20,100,30,"(ID)",font,color,"12",true);
    str+=GetHp().GetHtmlText(top+70,20,100,30,"",font,color,"12",true);
    str+=GetHp().GetHtmlEdit(top+40,110,230,23,true,"USEditN",
        font,12,bgcolor,color,borcolor,name+" (" +id+ ")", "text", "");
    str+=GetHp().GetHtmlEdit(top+70,110,230,23,true,"USEditC",font,12,bgcolor,
        color,borcolor,GetFormat(cost), "text", "");
    str+=GetHp().GetHtmlLink(top+6,810,170,30,"",font,
        "delbasket.jsp?ID="+id,"12");
    //---- : -----//
    str+="

```

## 1.2.5 HtmlPage.java

```

//////////03.02.2007 1//////////
package shop.client;
import java.util.*;
import shop.adm.*;
/**
 *      ,      html-      .
 */
public class HtmlPage
{
    private CodingISO ciso;
    private CodingISO Getciso(){return ciso;}
    private synchronized void Setciso(CodingISO s){ciso=s;}
    /**
     *      .
     */
    public HtmlPage()
    {
        Setciso(new CodingISO());
    }
    /**
     *      "      ".
     */
    public String GetHtmlArea(int top, int left, int width, int height,
        String name, String font, String color,
        String borcolor, String baccolor, String size,
        String rows, String cols, String value)
    {
        String str="";
        str+"<textarea class='subheading' name='"+name+"' rows='"+rows+"' " +
            "cols='"+cols+"' style='position:absolute;top:"+
            String.valueOf(top)+";left:"+String.valueOf(left)+";width:"+
            String.valueOf(width)+";height:"+String.valueOf(height)+";padding:0; " +
            "border-width:1; border-style:solid; border-color:#"+borcolor+
            ";background-color:#"+baccolor+";font-family:"+font+
            ";font-size:"+size+";font-weight:bold;color:#"+color+";'> " +
            ciso.Coding(value)+"</textarea>";
        return str;
    }
    /**
     *      "      ".
     */
    public String GetHtmlOption(int top, int left, int width, int height,
        String name, String font, String color,
        String borcolor, String baccolor, String size,
        List ls, boolean EsNullFirstList)
    {

```

```

{
    if (ls==null) return "";
    String str="";
    str="<select class='default_style' name='"+name+"' style=' " +
        "position:absolute;top:"+String.valueOf(top)+"left:"+String.valueOf(left)+
        ";width:"+String.valueOf(width)+"height:"+String.valueOf(height)+
        ";padding:0;border-width:1;border-style:solid;border-color:#"+
        borcolor+"background-color:#"+baccolor+"font-family:"+font+
        ";color:#"+color+"font-size:"+size+"px;overflow:hidden;'>";
    int p=ls.size();
    if (EsNullFirstList==true)
        str=str+"<OPTION></OPTION>";
    for (int i=0;i<p;i++)
    {
        str=str+"<OPTION>";
        str=str+ciso.Coding(String.valueOf(ls.get(i)));
        str=str+"</OPTION>";
    }
    str=str+"</select>";
    return str;
}
/**
 *
 *
 */
public String GetHtmlSubmit(int top, int left, int width, int height,
    String name, String value, String bcolor,
    String color, String font)
{
    String str="";
    str=str+"<input type='submit' class='default_style' name='"+name+"' " +
        "value='"+ciso.Coding(value)+"' style='position:absolute;top:" +
        String.valueOf(top)+"left:"+String.valueOf(left)+"width:"+
        String.valueOf(width)+"height:"+String.valueOf(height)+"padding:0;" +
        "border-width:1;border-style:solid;background-color:#" + bcolor +
        ";font-family:"+font+"color:#"+color+"overflow:hidden;'>";
    return str;
}
/**
 *
 *
 */
public String GetHtmlLink(int top, int left, int width, int height,
    String text, String font, String link,
    String fontsize)
{
    String str="";
    str="<div class='subheading' style='position:absolute;top:"+
    String.valueOf(top)+"left:"+String.valueOf(left)+"width:"+
    String.valueOf(width)+"height:"+String.valueOf(height)+
    ";font-family:"+font+"text-decoration:underline; font-size="+fontsize+";'>"+
    "<a href='"+link+"'>&lt;&lt;"+ciso.Coding(text)+"&gt;&gt;</a></div>";
    return str;
}
/**
 *
 *
 */
public String GetHtmlEdit(int top, int left, int width, int height, boolean ronly,
    String name, String font, int fontsize, String bgcolor,
    String color, String borcolor, String value, String type,
    String maxlen)
{
    String str="";
    String sronly="";
    String maxlen="";
    if (ronly==true) sronly="readonly"; else sronly="";
    if (maxlen.length()>0) maxlen="maxlength='"+maxlen+"'"; else maxlen="";
    str="<input type='"+type+"' class='default_style' "+maxlen+" name='"+
    name+"' " + "value='"+ciso.Coding(value)+"' " +
    sronly+" style='position:absolute;top:"+String.valueOf(top)+"left:"+
    String.valueOf(left)+"width:"+String.valueOf(width)+"height:"+
    String.valueOf(height)+"padding:0; border-width:2;border-style:solid; " +
    "background-color:#"+bgcolor+"color:#"+color+"border-color:#"+borcolor+
    ";font-family:"+font+"font-size:"+
    String.valueOf(fontsize)+"px;overflow:hidden;'>";
    return str;
}
/**
 *
 *
 */
public String GetHtmlWindow(int top, int left, int width, int height,
    String color)
{
    String str="";

```

```

    str="<div class='default_style' style='position:absolute;top:"+
        String.valueOf(top)+";left:"+String.valueOf(left)+";width:"+
        String.valueOf(width)+";height:"+String.valueOf(height)+
        ";border-width:1;border-style:solid;background-color:#"+
        color+";'></div>";
    return str;
}
/**
 *
 *
 */
public String GetHtmlText(int top, int left, int width, int height,
    String text, String font, String color,
    String fontsize, boolean textdecoration)
{
    String str="";
    str="<div class='subheading' style='position:absolute;top:"+
        String.valueOf(top)+";left:"+String.valueOf(left)+";width:"+
        String.valueOf(width)+";height:"+String.valueOf(height)+
        ";font-family:"+font+";color:#"+color+";font-size:"+fontsize+
        "px;'";
    if (textdecoration==true) str+="text-decoration:underline;";
    else str+="';";
    str+=ciso.Coding(text)+"</div>";
    return str;
}
/**
 *
 *
 */
public String GetHtmlTable(int top, int left, int width, int height,
    String cellSpacing, String cellPadding,
    String bgColorBorder, String bgColorTable,
    String fontsize, String font, String bgColorText,
    String bgColorTableBody,
    List lsHead, int numHead, List lsBody, int numBody)
{
    if (lsHead==null || lsBody==null) return "";
    if (lsHead.size()==0) return ""; //
    String str="";
    str="<div class='default_style' style='position:absolute;top: " +
        String.valueOf(top)+";left:"+String.valueOf(left)+";width:"+
        String.valueOf(width)+";height:"+String.valueOf(height)+
        "; OVERFLOW: scroll;'>";
    str=str+"<table cellSpacing="+cellSpacing+" cellPadding="+cellPadding+" "+
        str+"width=100% border=0 bgColor=#"+bgColorBorder+">";
    str=str+"<tr align=middle bgColor=#"+bgColorTable+">";
    //////////////////////////////////////
    for (int i=0;i<numHead;i++)
    {
        str=str+"<td><div style='font-size:"+fontsize+"px'><font face='"+font+
            "' color='"+bgColorText+"'">";
        str=str+(String)lsHead.get(i);
        str=str+"</font></div></td>";
    }
    str=str+"</tr>";
    //////////////////////////////////////
    int i=0;
    int l=0;
    while (i<numBody)
    {
        str=str+"<tr align=middle bgColor=#"+bgColorTableBody+">";
        for (int j=0;j<numHead;j++)
        {
            str=str+"<td><div style='font-size:"+fontsize+"px'><font face='"+font+
                str+font+"' color='"+bgColorText+"'">";
            str=str+lsBody.get(l+j);
            str=str+"</font></div></td>";
        }
        str=str+"</tr>";
        l+=numHead;i++;
    }
    str=str+"</table>";
    str=str+"</div>";
    return str;
}
/**
 *
 *
 */
public String GetHeadHTML(String charset)
{
    String str="";
    str="<!DOCTYPE HTML PUBLIC '-//W3C//DTD HTML 4.01 Transitional//EN'>" +
        "<html><head><meta http-equiv='Content-Type' content='text/html; " +

```



```

        "charset="+charset+"><meta http-equiv='imagetoolbar' content='no'>" +
        "<link rel='stylesheet' type='text/css' href='shop.css' " +
        "id='sitestyles'></head><body class='global'>";
    return str;
}
/**
 *      HTML
 */
public String GetEndHTML(){return "</body></html>";}
/**
 *      -
 */
public String GetHtmlFormWindow(int top, int left, int width, int height,
                                String borderwidth, String bordercolor,
                                String backgroundColor)
{
    String str="";
    str="<div class='default_style' style='position:absolute;top:" +
        String.valueOf(top)+";left:"+String.valueOf(left)+";width:"+
        String.valueOf(width)+";height:"+String.valueOf(height)+
        ";border-width:"+borderwidth+";border-style:solid; " +
        "border-color:#"+bordercolor+";background-color:#"+backgroundColor+
        ";></div>";
    return str;
}
}

```

## 1.3 shop.storekeeper

### 1.3.1 ShopResultSet.java

```

//////////10.02.2007 1//////////
package shop.storekeeper;
import java.sql.*;
import java.util.*;
import java.math.*;
import oracle.jdbc.*;
/**
 *      ResultSet      List
 *
 *      * ResultSet      M[i,j].
 *      *      L[1,1]...L[1,i]...L[j,1]...L[j,i].
 *      *
 *      */
public class ShopResultSet
{
    private final int PrecisionInt=9; //
    private final int PrecisionLong=18; //
    private int LengthMessageClob; // CLOB
    private int count; //
    private int countHead; //
    private List ls; //
    private List ln; //
    Boolean EsClobView; // CLOB
    ////////////Exception//////////
    public synchronized void SetLengthMessageClob(int p){LengthMessageClob=p;}
    private synchronized void SetcountHead(int p){countHead=p;}
    private synchronized void Setcount(int p){count=p;}
    private synchronized void SetLn(List l){ln=l;}
    private synchronized void SetLs(List l){ls=l;}
    public synchronized void SetEsClobView(Boolean p){EsClobView=p;}
    private Boolean GetEsClobView(){return EsClobView;}
    private int GetLengthMessageClob(){return LengthMessageClob;}
    String MessageException;
    private synchronized void SetMessageException(String p){MessageException=p;}
    public String GetMessageException(){return MessageException;}
    /**
     *
     * @return
     */
    public int GetcountHead(){return countHead;}
    /**
     *
     * @return
     */
    public int Getcount(){return count;}
    /**

```

```

*
* @return
*/
public List GetLn(){return ln;}
/**
*
* @return
*/
public List GetLs(){return ls;}
/**
*
*
*/
public ShopResultSet()
{
    SetcountHead(0);
    Setcount(0);
    SetLn(null);
    SetLs(null);
    SetEsClobView(false);
    SetLengthMessageClob(10000); //
}
/**
*
* List , 1 html
* Select.
* @return
*/
public List GetID()
{
    List ls=Collections.synchronizedList(new ArrayList());
    int size=GetLs().size();
    int i=0;
    while (i<size)
    {
        ls.add(GetLs().get(i));
        i+=GetcountHead(); // ID
    }
    return ls;
}
/**
*
* - Ln
* Ls
* @param cursor <B> ResultSet, </B>
*/
public synchronized void GetResultSet(ResultSet cursor)
{
    try
    {
        if (cursor!=null)
        {
            //////////////////////////////////////
            ln=Collections.synchronizedList(new ArrayList());
            ls=Collections.synchronizedList(new ArrayList());
            ResultSetMetaData d;
            d=cursor.getMetaData();
            SetcountHead(d.getColumnCount());
            //////////////////////////////////////
            for (int i=0;i<GetcountHead();i++)
            {
                ln.add(i,d.getColumnName(i+1));
            }
            //////////////////////////////////////
            int p=0; //
            while (cursor.next())
            {
                for (int i=1;i<=GetcountHead();i++)
                {
                    //NUMBER(1,2)<=>NUMBER => = =>
                    if (d.getColumnName(i)=="NUMBER")
                    {
                        if (d.getColumnName(i).equals(" (TABLE_PAYMENT.COST+TABLE_DELIVERY.COST) ") ||
                            d.getColumnName(i).equals("COST*AMOUNT"))
                        {
                            String s=cursor.getString(i);
                            if (s.indexOf("E")>0) //
                                ls.add(p,cursor.getBigDecimal(i)); //
                            else
                                ls.add(p,cursor.getFloat(i)); //
                        }
                    }
                    else
                }
            }
        }
    }
}

```

```

        {
            String s=cursor.getString(i);
            if (s.indexOf("E")>0) //
            {
                if (d.getScale(i)>0) ls.add(p,cursor.getBigDecimal(i));
                else ls.add(p,cursor.getLong(i));
            }
            else
            {
                if (d.getScale(i)==0)
                {
                    //
                    if (d.getPrecision(i)==PrecisionLong) ls.add(p,cursor.getLong(i));
                    if (d.getPrecision(i)<=PrecisionInt) ls.add(p,cursor.getInt(i));
                }
                else
                    ls.add(p,cursor.getFloat(i));
            }
        }
    }
    if (d.getColumnTypeName(i)=="VARCHAR2")
        ls.add(p,cursor.getString(i));
    if (d.getColumnTypeName(i)=="CLOB")
        if (GetEsClobView()==true)
        {
            OracleResultSet ora;
            ora=(oracle.jdbc.OracleResultSet)cursor;
            oracle.sql.CLOB clob = (oracle.sql.CLOB)ora.getClob(i);
            //
            String str = String.valueOf(ora.getClob(i).getSubString(1,GetLengthMessageClob()));
            ls.add(p,str);
        }
        else ls.add(p,"");
    if (d.getColumnTypeName(i)=="DATE")
    {
        String nil=" ";
        String time=String.valueOf(cursor.getDate(i))+nil;
        time=time+String.valueOf(cursor.getTime(i));
        ls.add(p,time);
    }
    p++;
}
}
Setcount(p/GetcountHead()); //
}
}
}
catch (Exception e)
{
    SetMessageException(e.getMessage());System.out.println(e.getMessage());
}
}
}

```

### 1.3.2 FormHTML.java

```

////////////////////////////////11.02.2007 1////////////////////////////////
package shop.storekeeper;
import shop.client.*;
import java.util.*;
/**
 *
 * JSP
 */
public class FormHTML
{
    ////////////////////////////////// HTML //////////////////////////////////
    private final String font = "Trebuchet MS";
    private final String borderwidth = "3";
    private final String bordercolor = "0000FF";
    private final String backgroundcolor = "B5B5B5";
    private final String colorText="0000FF";
    private final String fontsizeText="15";
    private final String fontsizeTextAll="12";
    private final String bgcolorEdit="000000";
    private final String colorEdit="7FFF00";
    private final String borcolorEdit="0000FF";
    /**
     *
     * workW.jsp.
     * @param USER <B>
     * @param LastEntrance <B>
     * @return Html
     */
}

```

```

public String workp(String USER, String LastEntrance)
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(0,0,1004,800,borderwidth, bordercolor,"000000");
    str+=hp.GetHtmlFormWindow(80,0,1004,110,borderwidth,bordercolor,"00B7FF");
    str+=hp.GetHtmlText(10,300,530,50,"",font,
        "FFF1BF", "29", false);
    str+=hp.GetHtmlText(200,400,210,40,"",font,
        "FFF1BF", "20", false);
    str+=hp.GetHtmlText(90,10,970,50,"! . " +
        ".",font,"0000FF", "18", false);
    str+=hp.GetHtmlText(120,10,110,30," :",font,"000000", "18", true);
    str+=hp.GetHtmlText(150,10,230,30," :",font,"000000", "18", true);
    str+=hp.GetHtmlEdit(122,220,310,25,true,"",font,16,
        bgcolorEdit,colorEdit,borcolorEdit,USER,"text","");
    str+=hp.GetHtmlEdit(152,220,310,25,true,"",font,16,
        bgcolorEdit,colorEdit,borcolorEdit,LastEntrance,"text","");
    str+=hp.GetHtmlLink(240,10,700,220,"&quot; &quot;";
        font,"WarehousesFirm.jsp", "17");
    str+=hp.GetHtmlLink(270,10,700,220,"&quot; &quot;";
        font,"WaybillsGoods.jsp", "17");
    str+=hp.GetHtmlLink(300,10,700,220,"&quot; &quot;";
        font,"GoodsWarehouses.jsp", "17");
    str+=hp.GetHtmlLink(330,10,700,220,"&quot; &quot;";
        font,"Category.jsp", "17");
    str+=hp.GetHtmlLink(360,10,700,220,"&quot; &quot;";
        font,"Supplier.jsp", "17");
    str+=hp.GetHtmlLink(390,10,700,220,"&quot; &quot;";
        font,"Goods.jsp", "17");
    str+=hp.GetHtmlLink(420,10,700,220,"&quot; &quot;";
        font,"Payment.jsp", "17");
    str+=hp.GetHtmlLink(450,10,700,220,"&quot; &quot;";
        font,"Delivery.jsp", "17");
    str+=hp.GetHtmlLink(480,10,700,220,"&quot; &quot;";
        font,"OrderMain.jsp", "17");
    return str;
}
/**
 * indexW.jsp.
 * @return Html
 * @param lenLOGIN <B> Edit " " Html</B>
 * @param lenPASSWORD <B> Edit " " Html</B>
 */
public String indexW(int lenLOGIN, int lenPASSWORD)
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(220,280,480,170,borderwidth,
        bordercolor,backgroundColor);
    str+=hp.GetHtmlText(40,260,550,50,"",font,
        "0000FF", "29", false);
    str+=hp.GetHtmlText(248,320,100,30," :",font,colorText,fontSizeText,true);
    str+=hp.GetHtmlText(278,320,100,30," :",font,colorText,fontSizeText,true);
    str+="<form action='passW.jsp' method='post'>";
    str+=hp.GetHtmlEdit(250,530,200,23,false,"IWeditL",font,14,
        bgcolorEdit,colorEdit,borcolorEdit,"","text",
        String.valueOf(lenLOGIN));
    str+=hp.GetHtmlEdit(280,530,200,23,false,"IWeditP",font,14,
        bgcolorEdit,colorEdit,borcolorEdit,"","password",
        String.valueOf(lenPASSWORD));
    str+=hp.GetHtmlSubmit(340,470,100,24,"IWbutton","","000000",colorEdit,font);
    str+="</form>";
    return str;
}
/**
 * Delivery.jsp.
 * @param status <B> </B>
 * @return Html
 * @param lenWAY <B> Edit " " Html</B>
 * @param lenCOST <B> Edit " " Html</B>
 */
public String Delivery(String status, int lenWAY, int lenCOST)
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(0,0,1004,720,borderwidth, bordercolor,"000000");
    str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");
    str+=hp.GetHtmlText(10,250,600,50,"&quot; &quot;";
        "FFF1BF", "29", false);
    str+=hp.GetHtmlFormWindow(180,10,430,70,borderwidth, bordercolor,backgroundColor);

```

```

str+=hp.GetHtmlFormWindow(180,470,490,70,borderwidth,bordercolor,backgroundcolor);
str+=hp.GetHtmlText(190,480,300,30,"",font,colorText,fontSizeText,true);
str+=hp.GetHtmlEdit(222,480,470,20,true,"",font,12,
    bgcolorEdit,colorEdit,borcolorEdit,status,"text","");
str+=hp.GetHtmlText(190,20,100,30,"",font,colorText,fontSizeTextAll,false);
str+=hp.GetHtmlText(212,20,100,30,"",font,colorText,fontSizeTextAll,false);
////////////////////////////////////
str+="

```

```

        bgcolorEdit,colorEdit,borcolorEdit,"","text",String.valueOf(lenNAME));
str+=hp.GetHtmlSubmit(90,230,210,60,"SRbutton1","","000000",colorEdit,font);
str+="</form>";
//////////
str+="<form action='workW.jsp' method='post'>";
str+=hp.GetHtmlSubmit(90,10,210,60,"SRbutton2","","000000",colorEdit,font);
str+="</form>";
//////////
return str;
}
/**
 * @param status <B> Category.jsp. </B>
 * @return Html
 * @param lenNAME <B> Edit " " Html</B>
 */
public String Category(String status, int lenNAME)
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(0,0,1004,720,borderwidth, bordercolor,"000000");
    str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");
    str+=hp.GetHtmlText(10,230,600,50,"&quot;&quot;",font,
        "FFF1BF","29",false);
    str+=hp.GetHtmlFormWindow(180,10,430,70,borderwidth, bordercolor,backgroundcolor);
    str+=hp.GetHtmlFormWindow(180,470,490,70,borderwidth,bordercolor,backgroundcolor);
    str+=hp.GetHtmlText(190,480,300,30,"",font,colorText,fontSizeText,true);
    str+=hp.GetHtmlEdit(222,480,470,20,true,"",font,12,
        bgcolorEdit,colorEdit,borcolorEdit,status,"text","");
    str+=hp.GetHtmlText(190,20,100,30,"",font,colorText,fontSizeTextAll,false);
    //////////
    str+="<form action='nextCategory.jsp' method='post'>";
    str+=hp.GetHtmlEdit(192,130,300,20,false,"CYeditN",font,12,
        bgcolorEdit,colorEdit,borcolorEdit,"","text",String.valueOf(lenNAME));
    str+=hp.GetHtmlSubmit(90,230,210,60,"CYbutton1","","000000",colorEdit,font);
    str+="</form>";
    //////////
    str+="<form action='workW.jsp' method='post'>";
    str+=hp.GetHtmlSubmit(90,10,210,60,"CYbutton2","","000000",colorEdit,font);
    str+="</form>";
    //////////
    return str;
}
/**
 * @return Html
 */
public String AuthorizationError()
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(220,280,480,170,borderwidth,
        bordercolor,backgroundcolor);
    str+=hp.GetHtmlText(40,260,550,50,"",font,
        "0000FF","29",false);
    str+=hp.GetHtmlText(260,390,320,50,"!",font,
        "0000FF","18",false);
    str+="<form action='indexW.jsp' method='post'>";
    str+=hp.GetHtmlSubmit(340,470,100,24,"ARbutton","","000000",colorEdit,font);
    str+="</form>";
    return str;
}
/**
 * @param status <B> WarehousesFirm.jsp. </B>
 * @return Html
 * @param lenNAME <B> Edit " " Html</B>
 * @param lenCOUNTRY <B> Edit " " Html</B>
 * @param lenAREA <B> Edit " " Html</B>
 * @param lenCITY <B> Edit " " Html</B>
 * @param lenSTREET <B> Edit " " Html</B>
 * @param lenHOUSE <B> Edit " " Html</B>
 */
public String WarehousesFirm(String status, int lenNAME, int lenCOUNTRY,
    int lenAREA, int lenCITY, int lenSTREET,
    int lenHOUSE)
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(0,0,1004,1100,borderwidth, bordercolor,"000000");
    str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");

```

```

str+=hp.GetHtmlText(10,260,600,50,"                &quot;                &quot;;",font,
                    "FFF1BF", "29",false);
str+=hp.GetHtmlFormWindow(180,10,550,170,borderwidth, bordercolor,backgroundcolor);
str+=hp.GetHtmlFormWindow(180,600,390,170,borderwidth,bordercolor,backgroundcolor);
////////////////////////////////////
str+=hp.GetHtmlText(190,610,200,30,"                ",font,colorText,fontsizeText,true);
str+=hp.GetHtmlEdit(222,610,370,20,true,"",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,status,"text","");
////////////////////////////////////
str+=hp.GetHtmlText(370,390,370,40,"                ",font,"FFF1BF", "20",false);
str+=hp.GetHtmlText(400,340,370,40,"                &quot;                &quot;; TABLE_ADDRESS_W",font,
                    "FFF1BF", "15",false);
str+=hp.GetHtmlText(740,350,370,40,"                &quot;                &quot;; TABLE_WAREHOUSES",font,
                    "FFF1BF", "15",false);
////////////////////////////////////
str+=hp.GetHtmlText(190,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(212,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(234,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(256,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(278,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(300,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
////////////////////////////////////
str+="<<form action='nextWarehousesFirm.jsp' method='post'>";
str+=hp.GetHtmlEdit(192,130,400,20,false,"WFeditN",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,"", "text",String.valueOf(lenNAME));
str+=hp.GetHtmlEdit(214,130,400,20,false,"WFeditS",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,"", "text",String.valueOf(lenCOUNTRY));
str+=hp.GetHtmlEdit(236,130,400,20,false,"WFeditO",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,"", "text",String.valueOf(lenAREA));
str+=hp.GetHtmlEdit(258,130,400,20,false,"WFeditG",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,"", "text",String.valueOf(lenCITY));
str+=hp.GetHtmlEdit(280,130,400,20,false,"WFeditU",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,"", "text",String.valueOf(lenSTREET));
str+=hp.GetHtmlEdit(302,130,400,20,false,"WFeditD",font,12,
                    bgcolorEdit,colorEdit,borcolorEdit,"", "text",String.valueOf(lenHOUSE));
str+=hp.GetHtmlSubmit(90,450,210,60,"WFbutton1","                ", "000000",colorEdit,font);
str+="<</form>";
////////////////////////////////////
str+="<<form action='workW.jsp' method='post'>";
str+=hp.GetHtmlSubmit(90,10,210,60,"WFbutton2","                ", "000000",colorEdit,font);
str+="<</form>";
////////////////////////////////////
str+="<<form action='nextWarehousesFirm.jsp' method='post'>";
str+=hp.GetHtmlSubmit(90,230,210,60,"WFbutton3","                ", "000000",colorEdit,font);
str+="<</form>";
////////////////////////////////////
return str;
}
/**
 *                WaybillsGoods.jsp.
 * @param status <B>                </B>
 * @return        Html
 * @param ls1 <B>                </B>
 * @param ls2 <B>                </B>
 * @param lenAmount <B>                Edit "                "                Html</B>
 */
public String WaybillsGoods(List ls1, List ls2, String status, int lenAmount)
{
String str="";
HtmlPage hp = new HtmlPage();
str+=hp.GetHtmlFormWindow(0,0,1004,1450,borderwidth, bordercolor,"000000");
str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");
str+=hp.GetHtmlText(10,230,600,50,"                &quot;                &quot;;",font,
                    "FFF1BF", "29",false);
str+=hp.GetHtmlFormWindow(180,10,550,120,borderwidth,bordercolor,backgroundcolor);
str+=hp.GetHtmlFormWindow(180,600,390,120,borderwidth,bordercolor,backgroundcolor);
str+=hp.GetHtmlText(300,360,370,40,"                ",font,"FFF1BF", "20",false);
str+=hp.GetHtmlText(370,390,370,40,"                ",font,"FFF1BF", "20",false);
str+=hp.GetHtmlText(400,380,370,40,"                &quot;                &quot;; TABLE_GOODS",font,
                    "FFF1BF", "15",false);
str+=hp.GetHtmlText(740,360,370,40,"                &quot;                &quot;; TABLE_WAREHOUSES",font,
                    "FFF1BF", "15",false);
str+=hp.GetHtmlText(1080,360,370,40,"                &quot;                &quot;; TABLE_WAYBILL",font,
                    "FFF1BF", "15",false);
str+=hp.GetHtmlLink(330,20,280,40,"                ",font,"Goods.jsp", "15");
str+=hp.GetHtmlText(190,20,370,40,"                ",font,colorText, "16",true);
str+=hp.GetHtmlText(220,20,100,30,"ID                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(244,20,100,30,"ID                ",font,colorText,fontsizeTextAll,false);
str+=hp.GetHtmlText(266,20,100,30,"                ",font,colorText,fontsizeTextAll,false);
////////////////////////////////////

```



```

str+=hp.GetHtmlText(190,610,200,30,"",font,colorText,fontSizeText,true);
str+=hp.GetHtmlEdit(222,610,370,20,true,"",font,12,
    bgcolorEdit,colorEdit,borcolorEdit,status,"text","");
//////////
str+="

```



```

str+=hp.GetHtmlText(366,20,370,40,"                :",font,colorText,"12",false);
str+=hp.GetHtmlText(446,20,370,40,"                :",font,colorText,"12",false);
str+=hp.GetHtmlText(468,20,370,40,"                :",font,colorText,"12",false);
str+=hp.GetHtmlText(490,20,370,40,"                :",font,colorText,"12",false);
str+=hp.GetHtmlText(512,20,370,40,"Login:Pass@IP/Image",font,colorText,"12",false);
////////////////////////////////////
str+=hp.GetHtmlText(570,360,370,40,"                ",font,"FFFlBF", "20",false);
str+=hp.GetHtmlLink(600,20,280,40,"                ",font,"EditGoods.jsp", "15");
str+=hp.GetHtmlLink(625,20,280,40,"                ",font,"ViewGoods.jsp", "15");
////////////////////////////////////
str+=hp.GetHtmlText(655,390,370,40,"                ",font,"FFFlBF", "20",false);
str+=hp.GetHtmlText(690,380,370,40,"                &quot;                &quot; TABLE_GOODS",font,
                "FFFlBF", "15",false);
str+=hp.GetHtmlText(1030,340,370,40,"                &quot;                &quot; TABLE_CATEGORY",
                font,"FFFlBF", "15",false);
str+=hp.GetHtmlText(1370,340,370,40,"                &quot;                &quot; TABLE_SUPPLIER",
                font,"FFFlBF", "15",false);
////////////////////////////////////
str+=hp.GetHtmlText(190,610,200,30,"                ",font,colorText,fontsizeText,true);
str+=hp.GetHtmlEdit(222,610,370,20,true,"",font,12,
                bgcolorEdit,colorEdit,borcolorEdit,status,"text","");
////////////////////////////////////
str+=<form action='nextGoods.jsp' method='post'>;
str+=hp.GetHtmlEdit(222,180,360,20,false,"GeditNT",font,12,
                bgcolorEdit,colorEdit,borcolorEdit,"","text",String.valueOf(lenNAME));
str+=hp.GetHtmlOption(244,180,360,20,"GoptionIK",font,colorEdit,borcolorEdit,
                bgcolorEdit,fontsizeTextAll,ls1,false);
str+=hp.GetHtmlArea(270,180,360,76,"GareaXT",font,colorEdit,borcolorEdit,bgcolorEdit,
                "12","5","20","");
str+=hp.GetHtmlEdit(349,180,360,20,false,"GeditB",font,12,
                bgcolorEdit,colorEdit,borcolorEdit,"","text",String.valueOf(lenBREND));
str+=hp.GetHtmlArea(372,180,360,76,"GareaOT",font,colorEdit,borcolorEdit,bgcolorEdit,
                "12","5","20","");
str+=hp.GetHtmlEdit(452,180,360,20,false,"GeditGT",font,12,
                bgcolorEdit,colorEdit,borcolorEdit,"","text",
                String.valueOf(lenWARRANTY_PERIOD));
str+=hp.GetHtmlOption(474,180,360,20,"GoptionIP",font,colorEdit,borcolorEdit,
                bgcolorEdit,fontsizeTextAll,ls2,false);
str+=hp.GetHtmlEdit(498,180,360,20,false,"GeditC",font,12,
                bgcolorEdit,colorEdit,borcolorEdit,"","text",String.valueOf(lenCOST));
str+=hp.GetHtmlEdit(520,180,360,20,false,"GeditI",font,12,
                bgcolorEdit,colorEdit,borcolorEdit,"","text","");
str+=hp.GetHtmlSubmit(90,450,210,60,"Gbutton1","","000000",colorEdit,font);
str+=</form>;
////////////////////////////////////
str+=<form action='workW.jsp' method='post'>;
str+=hp.GetHtmlSubmit(90,10,210,60,"Gbutton2","","000000",colorEdit,font);
str+=</form>;
////////////////////////////////////
str+=<form action='nextGoods.jsp' method='post'>;
str+=hp.GetHtmlSubmit(90,230,210,60,"Gbutton3","","000000",colorEdit,font);
str+=</form>;
return str;
}
/**
 *
 * EditGoods.jsp.
 * @param status <B>                </B>
 * @return      Html
 * @param ls1 <B>                </B>
 * @param ls2 <B>                </B>
 * @param ls3 <B>                </B>
 * @param ls4 <B>                </B>
 * @param lenNAME <B>                Edit "                "                Html</B>
 * @param lenBREND <B>                Edit "                "                Html</B>
 * @param lenWARRANTY_PERIOD <B>                Edit                Edit
 * "                "                Html</B>
 * @param lenCOST <B>                Edit "                "                Html</B>
 * @param D1 <B>                "                "</B>
 * @param D2 <B>                "                "</B>
 * @param D3 <B>                "                "</B>
 * @param D4 <B>                "                "</B>
 * @param D5 <B>                "                "</B>
 * @param D6 <B>                "                "</B>
 * @param D7 <B>                "                "</B>
 * @param D8 <B>                "                "</B>
 * @param D9 <B>                "                "</B>
 */
public String EditGoods(String D1,String D2,String D3,String D4,String D5,
                String D6,String D7,String D8,String D9,
                List ls1, List ls2, List ls3, List ls4, String status,
                int lenNAME, int lenBREND, int lenWARRANTY_PERIOD,

```

```

        int lenCOST)
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(0,0,1004,700,borderwidth, bordercolor,"000000");
    str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");
    str+=hp.GetHtmlText(10,130,800,50,
        "                &quot;                                &quot;;",font,
        "FFF1BF", "29",false);
    str+=hp.GetHtmlFormWindow(180,10,550,380,borderwidth,bordercolor,backgroundcolor);
    str+=hp.GetHtmlFormWindow(180,600,390,380,borderwidth,bordercolor,backgroundcolor);
    str+=hp.GetHtmlText(198,20,370,40,"                ",font,colorText,"12",false);
    str+=hp.GetHtmlText(220,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(244,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(266,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(346,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(368,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(448,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(470,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(492,20,370,40,"                : ",font,colorText,"12",false);
    str+=hp.GetHtmlText(514,20,370,40,"                : ",font,colorText,"12",false);
    ////////////////////////////////////////////////////
    str+=hp.GetHtmlText(190,610,200,30,"                ",font,colorText,fontSizeText,true);
    str+=hp.GetHtmlEdit(222,610,370,20,true,"",font,12,
        bgcolorEdit,colorEdit,borcolorEdit,status,"text","");
    ////////////////////////////////////////////////////
    str+="

```

[illegible]

$$\left. \begin{array}{l} \{ \\ \} \end{array} \right\}$$

### 1.3.3 GoodsWarehousesClass.java

```

/ **
*
Html

```

```

* @return      Html
*/
public String GetstrMainWindow(){return strMainWindow;}
private int GethtmlDelta1(){return htmlDelta1;}
private int GethtmlDelta2(){return htmlDelta2;}
private int GethtmlDelta3(){return htmlDelta3;}
private String GetstrPanel1(){return strPanel1;}
private String GetstrPanel2(){return strPanel2;}
private String GetstrPanel3(){return strPanel3;}
private String GetstrPanel4(){return strPanel4;}
private int GetsizeHMainWindow(){return sizeHMainWindow;}
private HtmlPage hp;
private synchronized void Sethp(HtmlPage a){hp=a;}
private HtmlPage Gethp(){return hp;}
/**
*
*
*/
public GoodsWarehousesClass()
{
    Sethp(new HtmlPage());
}
/**
*
* @param ps <B>          ,          JDBC</B>
* @return Html
*/
public String Panels(PLSQLStored ps)
{
    try
    {
        if (ps!=null)
        {
            Setlist1(Stat0(ps.GetsrstG().GetLs(),ps.GetsrstI().GetLs(),
                ps.GetsrstG().Getcount(),ps.GetsrstI().Getcount(),
                ps.GetsrstG().GetcountHead(),ps.GetsrstI().GetcountHead()));
            Setlist2(Stat1(ps.GetsrstG().GetLs(),ps.GetsrstI().GetLs(),
                ps.GetsrstG().Getcount(),ps.GetsrstI().Getcount(),
                ps.GetsrstG().GetcountHead(),ps.GetsrstI().GetcountHead()));
            Setlist3(Stat2(ps.GetsrstW().GetLs(),ps.GetsrstI().GetLs(),
                ps.GetsrstW().Getcount(),ps.GetsrstI().Getcount(),
                ps.GetsrstW().GetcountHead(),ps.GetsrstI().GetcountHead()));
            Setlist4(Stat3(ps.GetsrstW().GetLs(),ps.GetsrstI().GetLs(),
                ps.GetsrstW().Getcount(),ps.GetsrstI().Getcount(),
                ps.GetsrstW().GetcountHead(),ps.GetsrstI().GetcountHead()));
            Setlist5(Stat4(ps.GetsrstG().GetLs(),ps.GetsrstI().GetLs(),
                ps.GetsrstG().Getcount(),ps.GetsrstI().Getcount(),
                ps.GetsrstG().GetcountHead(),ps.GetsrstI().GetcountHead()));
            HTMLPanel1("1270","25");
            HTMLPanel2(String.valueOf(GethtmlDelta1()),"25");
            HTMLPanel3(String.valueOf(GethtmlDelta2()),"25");
            HTMLPanel4(String.valueOf(GethtmlDelta3()),"25");
            MainWindow(GetsizeHMainWindow());
            String str="";
            str+=GetstrPanel1()+GetstrPanel2()+GetstrPanel3()+GetstrPanel4();
            return str;
        }
        return "";
    }
    catch(Exception e){return "";}
}
/**
*
*          a1a2 b1b2 .. n1n2,          a1 - ID          , a2 -
*
* @return
* @param l_TG <B>          ,          TABLE_GOODS</B>
* @param l_TI <B>          ,          TABLE_INVENTORIES</B>
* @param num_TG <B>          TABLE_GOODS</B>
* @param num_TI <B>          TABLE_INVENTORIES</B>
* @param num_TG_Head <B>          TABLE_GOODS</B>
* @param num_TI_Head <B>          TABLE_INVENTORIES</B>
*/
private List Stat0(List l_TG,List l_TI,int num_TG,int num_TI,int num_TG_Head,int num_TI_Head)
{
    if (l_TG==null || l_TI==null) return null;
    List l=Collections.synchronizedList(new ArrayList());
    int next_ls_TG=0; int index=0; int sum; int next_ls_TI;
    for (int i=0;i<num_TG;i++)
    {
        ////////////////////////////////////
        int GOODS=(Integer)l_TG.get(next_ls_TG); //ID          TABLE_GOODS
        next_ls_TI=0; sum=0;
    }
}

```

```

    for (int j=0;j<num_TI;j++)
    {
        ////////////////////////////////////////////////////
        if ((Integer)l_TI.get(next_ls_TI+2)==GOODS) //      3      GOODS
        {
            String ss=String.valueOf(l_TI.get(next_ls_TI+3));
            int p=Math.round(Float.valueOf(ss));
            sum+=p; //
        }
        next_ls_TI+=num_TI_Head; //
    }
    l.add(index,GOODS); //
    index++;
    l.add(index,sum); //
    index++;
    next_ls_TG+=num_TG_Head; //
}
return l;
}
/**
 *
 *          a1a2 b1b2 .. n1n2,      a1 - ID      , a2 -
 *
 * @return
 * @param l_TG <B>      ,      TABLE_GOODS</B>
 * @param l_TI <B>      ,      TABLE_INVENTORIES</B>
 * @param num_TG <B>      TABLE_GOODS</B>
 * @param num_TI <B>      TABLE_INVENTORIES</B>
 * @param num_TG_Head <B>      TABLE_GOODS</B>
 * @param num_TI_Head <B>      TABLE_INVENTORIES</B>
 */
private List Stat1(List l_TG,List l_TI,int num_TG,int num_TI,int num_TG_Head,int num_TI_Head)
{
    if (l_TG==null || l_TI==null) return null;
    List l=Collections.synchronizedList(new ArrayList());
    int next_ls_TG=0; int next_ls_TI; int index=0; int GOODS;
    for (int i=0;i<num_TG;i++)
    {
        ////////////////////////////////////////////////////
        GOODS=(Integer)l_TG.get(next_ls_TG); //ID      TABLE_GOODS
        next_ls_TI=0;
        for (int j=0;j<num_TI;j++)
        {
            ////////////////////////////////////////////////////
            if ((Integer)l_TI.get(next_ls_TI+2)==GOODS) //      3      GOODS
            {
                l.add(index,l_TI.get(next_ls_TI+1)); //      ID
                index++;
                l.add(index,l_TI.get(next_ls_TI+3)); //      (      0
                //      )      ID
                index++;
            }
            next_ls_TI+=num_TI_Head; //
        }
        next_ls_TG+=num_TG_Head; //
    }
    return l;
}
/**
 *
 *          a1a2 b1b2 .. n1n2,      a1 - ID      , a2 -
 *
 * @return
 * @param l_TW <B>      ,      TABLE_WAREHOUSES</B>
 * @param l_TI <B>      ,      TABLE_INVENTORIES</B>
 * @param num_TW <B>      TABLE_WAREHOUSES</B>
 * @param num_TI <B>      TABLE_INVENTORIES</B>
 * @param num_TW_Head <B>      TABLE_WAREHOUSES</B>
 * @param num_TI_Head <B>      TABLE_INVENTORIES</B>
 */
private List Stat2(List l_TW,List l_TI,int num_TW,int num_TI,int num_TW_Head,int num_TI_Head)
{
    if (l_TW==null || l_TI==null) return null;
    List l=Collections.synchronizedList(new ArrayList());
    int next_ls_TW=0; int index=0; int next_ls_TI; int sum;
    for (int i=0;i<num_TW;i++)
    {
        ////////////////////////////////////////////////////
        int WAREHOUSE=(Integer)l_TW.get(next_ls_TW); //ID      TABLE_WAREHOUSES
        next_ls_TI=0; sum=0;
        for (int j=0;j<num_TI;j++)
        {
            ////////////////////////////////////////////////////
            if ((Integer)l_TI.get(next_ls_TI+1)==WAREHOUSE) //      2      WAREHOUSE
            {
                String ss=String.valueOf(l_TI.get(next_ls_TI+3));
                int p=Math.round(Float.valueOf(ss));
                sum=sum+p; //
            }
        }
    }
}

```

```

        next_ls_TI+=num_TI_Head; //                                TABLE_INV.
    }
    l.add(index,l_TW.get(next_ls_TW)); //                                ID
    index++;
    l.add(index,sum); //
    index++;
    next_ls_TW+=num_TW_Head; //                                ID                                TABLE_WAREHOUSES
}
return l;
}
/**
 *                                a1 b1 .. n1,        a1 - ID                                .
 * @return
 * @param l_TW <B>                                ,                                TABLE_WAREHOUSES</B>
 * @param l_TI <B>                                ,                                TABLE_INVENTORIES</B>
 * @param num_TW <B>                                TABLE_WAREHOUSES</B>
 * @param num_TI <B>                                TABLE_INVENTORIES</B>
 * @param num_TW_Head <B>                                TABLE_WAREHOUSES</B>
 * @param num_TI_Head <B>                                TABLE_INVENTORIES</B>
 */
private List Stat3(List l_TW,List l_TI,int num_TW,int num_TI,int num_TW_Head,int num_TI_Head)
{
    if (l_TW==null || l_TI==null) return null;
    List l=Collections.synchronizedList(new ArrayList());
    int next_ls_TW=0; int index=0; int next_ls_TI; int sum;
    for (int i=0;i<num_TW;i++)
    {
        ////////////////////////////////// TABLE_WAREHOUSES////////////////////////////////////
        int WAREHOUSE=(Integer)l_TW.get(next_ls_TW); //ID                                TABLE_WAREHOUSES
        next_ls_TI=0; sum=0;
        for (int j=0;j<num_TI;j++)
        {
            ////////////////////////////////// TABLE_INVENTORIES////////////////////////////////////
            if ((Integer)l_TI.get(next_ls_TI+1)==WAREHOUSE) // 2                                WAREHOUSE
            {
                String ss=String.valueOf(l_TI.get(next_ls_TI+3));
                int p=Math.round(Float.valueOf(ss));
                sum=sum+p; //
            }
            next_ls_TI+=num_TI_Head; //                                TABLE_INV.
        }
        if (sum==0)
        {
            //////////////////////////////////////
            l.add(index,l_TW.get(next_ls_TW)); //                                ID
            index++;
        }
        next_ls_TW+=num_TW_Head; //                                ID                                TABLE_WAREHOUSES
    }
    return l;
}
/**
 *                                a1 b1 .. n1,        a1 - ID                                ,
 * @return
 * @param l_TG <B>                                ,                                TABLE_GOODS</B>
 * @param l_TI <B>                                ,                                TABLE_INVENTORIES</B>
 * @param num_TG <B>                                TABLE_GOODS</B>
 * @param num_TI <B>                                TABLE_INVENTORIES</B>
 * @param num_TG_Head <B>                                TABLE_GOODS</B>
 * @param num_TI_Head <B>                                TABLE_INVENTORIES</B>
 */
private List Stat4(List l_TG,List l_TI,int num_TG,int num_TI,int num_TG_Head,int num_TI_Head)
{
    if (l_TG==null || l_TI==null) return null;
    List l=Collections.synchronizedList(new ArrayList());
    int next_ls_TG=0; int index=0; int next_ls_TI; int sum;
    for (int i=0;i<num_TG;i++)
    {
        ////////////////////////////////// TABLE_GOODS////////////////////////////////////
        int GOODS=(Integer)l_TG.get(next_ls_TG); //ID                                TABLE_GOODS
        next_ls_TI=0; sum=0;
        for (int j=0;j<num_TI;j++)
        {
            ////////////////////////////////// TABLE_INVENTORIES////////////////////////////////////
            if ((Integer)l_TI.get(next_ls_TI+2)==GOODS) // 3                                GOODS
            {
                String ss=String.valueOf(l_TI.get(next_ls_TI+3));
                int p=Math.round(Float.valueOf(ss));
                sum=sum+p; //
            }
            next_ls_TI+=num_TI_Head; //                                TABLE_INV.
        }
        if (sum==0)
        {
            //////////////////////////////////////
            l.add(index,l_TG.get(next_ls_TG)); //                                ID
            index++;
        }
    }
}

```



```

        next_ls_TG+=num_TG_Head; //
    }
    return l;
}
//      : ProcHtml1
//      :      HTML-      <ID      /      >
private String ProcHtml1(int t, int l,
                        String num1, String num2,
                        String str1, String str2)
{
    String str="";
    str+=Gethp().GetHtmlText(t,l,120,30,str1,font,"FFFFFF","13",false);
    str+=Gethp().GetHtmlText(t-20,l,120,30,str2,font,"FFFFFF","13",false);
    str+=Gethp().GetHtmlText(t-20,l+110,590,30,num1,font,"FFFFFF","13",false);
    str+=Gethp().GetHtmlText(t,l+110,550,30,num2,font,"FFFFFF","13",false);
    return str;
}
//      : ProcHtml2
//      :      HTML-      <ID      /      >
private String ProcHtml2(int t, int l,
                        String num1, String num2,
                        String str1, String str2)
{
    String str="";
    str+=Gethp().GetHtmlText(t,l,120,30,str1,font,"000000","13",false);
    str+=Gethp().GetHtmlText(t+20,l,120,30,str2,font,"000000","13",false);
    str+=Gethp().GetHtmlText(t,l+100,550,30,num1,font,"000000","13",false);
    str+=Gethp().GetHtmlText(t+20,l+100,550,30,num2,font,"000000","13",false);
    return str;
}
//      : ProcHtml3
//      :      HTML-      <ID      >
//      :      HTML-      <ID      >
private String ProcHtml3(int t, int l, String num1, String str1)
{
    String str="";
    str+=Gethp().GetHtmlText(t,l,120,30,str1,font,"FFFFFF","13",false);
    str+=Gethp().GetHtmlText(t,l+100,550,30,num1,font,"FFFFFF","13",false);
    return str;
}
//////////
private String Frame(int t, int l, int h, String name)
{
    String str="";
    str+=Gethp().GetHtmlFormWindow(t,l,950,h,borderwidth,bordercolor,"00B7FF");
    str+=Gethp().GetHtmlText(t+10,l+13,680,30,name,font,"000000","18",false);
    return str;
}
/**
 *
 *
 * @param h <B>      </B>
 */
private void MainWindow(int h)
{
    SetstrMainWindow(Gethp().GetHtmlFormWindow(0,0,1004,h,borderwidth, bordercolor,"000000"));
}
//////////      HTML      //////////
private String IntoFrame(int t, int l, int h)
{
    return Gethp().GetHtmlFormWindow(t,l,910,h,borderwidth, bordercolor,"5F9EA0");
}
/**
 *      HTML-      .
 * @param TOP <B>      top</B>
 * @param LEFT <B>      left</B>
 */
private void HTMLPanel1(String TOP, String LEFT)
{
    List ls1=GetList1();
    List ls2=GetList2();
    if (ls1!=null && ls2!=null)
    {
        String str="";
        int PANEL_H=0; //      H
        int MainPanelH=0;
        int HEIGHT_INT0_PANEL=0; //
        int next_ls1=0; //      ID      /
        int next_ls2=0; //      ID      /
        int size_ls1 = ls1.size();
        int size_ls2 = ls2.size(); //size_ls2 = 2 *
    }
}

```



```

////////////////////////////////////
int goods=Math.round(size_ls1/2); //
int warehouse=0;
if (goods>0) warehouse=Math.round(size_ls2/(goods*2)); //
int left=Integer.valueOf(LEFT)+0;
int top=Integer.valueOf(TOP)+70;
int left_text2=Integer.valueOf(LEFT)+40;
////////////////////////////////////
if (goods>0)
{
while (next_ls1<size_ls1)
{
    PANEL_H=top-20;
    ////////////////////////////////// ID //////////////////////////////////
    str=str+ProcHtml1(top,left+30,
        String.valueOf(ls1.get(next_ls1)),
        String.valueOf(ls1.get(next_ls1+1)),
        " : ", "ID : ");

    next_ls1+=2;
    //////////////////////////////////
    int sum=0;
    for (int j=0;j<warehouse;j++)
    { ////////////////////////////////// ID //////////////////////////////////
        String ss=String.valueOf(ls2.get(next_ls2+1));
        int p=Math.round(Float.valueOf(ss));
        if (p>0) // , < 0
        {str=str+ProcHtml2(top+25,left_text2,
            String.valueOf(ls2.get(next_ls2)),
            String.valueOf(ls2.get(next_ls2+1)),
            " ID: ", " : ");

            top+=50; // JSP 50
            sum++;
        }
        next_ls2+=2;
    }

    //////////////////////////////////
    top+=70;
    MainPanelH+=70+sum*50;
    HEIGHT_INTO_PANEL=50+sum*50;
    str=IntoFrame(PANEL_H,left+20,HEIGHT_INTO_PANEL)+str; //
}
int H1=40; //
int H2=25; //
str=Frame(Integer.valueOf(TOP),Integer.valueOf(LEFT),MainPanelH+H1+H2,
    " ") +str;

SethtmlDelta1(Integer.valueOf(TOP)+MainPanelH+90);
SetstrPanel1(str);
}
else
{ ////////////////////////////////// //////////////////////////////////
    str=Frame(Integer.valueOf(TOP),Integer.valueOf(LEFT),100,
        " ") +str;

    SethtmlDelta1(Integer.valueOf(TOP)+120);
    SetstrPanel1(str);
}
}
}
/**
 * HTML- .
 * @param TOP <B> top</B>
 * @param LEFT <B> left</B>
 */
private void HTMLPanel2(String TOP, String LEFT)
{
    List ls=GetList3();
    if (ls!=null)
    {
        String str=""; int MainPanelH=0; int sum=0;
        int left=Integer.valueOf(LEFT)+0; int top=Integer.valueOf(TOP)+70;
        int size_ls = ls.size();
        int next_ls=0; // ID /
        while (next_ls<size_ls)
        {
            str=str+ProcHtml1(top,left+30,
                String.valueOf(ls.get(next_ls)),
                String.valueOf(ls.get(next_ls+1)),
                " : ", "ID : ");

            top+=50;next_ls+=2;sum++;
        }
        str=IntoFrame(Integer.valueOf(TOP)+50,left+20,50*sum)+str;
        int MinusH=20; // , =0
    }
}

```

```

        if (size_ls==0) { //
            MinusH=0;sum=1;}
        str=Frame(Integer.valueOf(TOP),left,50+50*sum+MinusH,
            " ")+str;
        MainPanelH+=50+50*sum;
        SethtmlDelta2(Integer.valueOf(TOP)+(MainPanelH+20)+MinusH);
        SetstrPanel2(str);
    }
}
/**
 * HTML-
 * @param TOP <B> top</B>
 * @param LEFT <B> left</B>
 */
private void HTMLPanel3(String TOP, String LEFT)
{
    List ls=GetList4();
    if (ls!=null)
    {
        String str=""; int MainPanelH=0; int sum=0;
        int left=Integer.valueOf(LEFT)+0;int top=Integer.valueOf(TOP)+50;
        int size_ls = ls.size();
        int next_ls=0; // ID /
        while (next_ls<size_ls)
        {
            str=str+ProcHtml3(top,left+30,
                String.valueOf(ls.get(next_ls)),
                "ID ":"");
            top+=25;next_ls+=1;sum++;
        }
        str=IntoFrame(Integer.valueOf(TOP)+50,left+20,25*sum)+str;
        if (size_ls==0) sum=1; //
        str=Frame(Integer.valueOf(TOP),left,70+25*sum,
            " ")+str;
        MainPanelH+=50+25*sum;
        SethtmlDelta3(Integer.valueOf(TOP)+(MainPanelH+20)+20);
        SetstrPanel3(str);
    }
}
/**
 * HTML-
 * @param TOP <B> top</B>
 * @param LEFT <B> left</B>
 */
private void HTMLPanel4(String TOP, String LEFT)
{
    List ls=GetList5();
    if (ls!=null)
    {
        String str=""; int MainPanelH=0; int sum=0;
        int next_ls=0; // ID
        int left=Integer.valueOf(LEFT)+0;int top=Integer.valueOf(TOP)+50;
        int size_ls = ls.size();
        while (next_ls<size_ls)
        {
            str=str+ProcHtml3(top,left+30,
                String.valueOf(ls.get(next_ls)),
                "ID ":"");
            top+=25;next_ls+=1;sum++;
        }
        str=IntoFrame(Integer.valueOf(TOP)+50,left+20,25*sum)+str;
        if (size_ls==0) sum=1; //
        str=Frame(Integer.valueOf(TOP),left,70+25*sum,
            " ")+str;
        MainPanelH+=50+25*sum;
        SetstrPanel4(str);
        SetsizeHMainWindow(60+Integer.valueOf(TOP)+MainPanelH);
    }
}
}

```

### 1.3.4 ShopCipher.java

```

//////////04.02.2007 1//////////
package shop.storekeeper;
import java.security.*;
import java.security.spec.*;
import javax.crypto.*;

```

```

import javax.crypto.spec.*;
import java.io.*;
/**
 *
 * -
 *
 * DES: National Institute of Standards and Technology (NIST).
 * DES - 64- 56-bits (
 * 8 , . DES-EDE -
 * DES. 55 (56 )
 *
 * . 1 , . . . ISO
 * 24 . 7
 */
public class ShopCipher
{
    private byte maxLen=56;
    private String CipherCode="DESede";
    private byte size = 24;
    private String errorCreateKey;
    private String errorReadKey;
    private String errorShopEnCrypt;
    private String errorShopDeCrypt;
    private synchronized void SeterrorCreateKey(String a){errorCreateKey=a;}
    private synchronized void SeterrorReadKey(String a){errorReadKey=a;}
    private synchronized void SeterrorShopEnCrypt(String a){errorShopEnCrypt=a;}
    private synchronized void SeterrorShopDeCrypt(String a){errorShopDeCrypt=a;}
    public String GeterrorCreateKey(){return errorCreateKey;}
    public String GeterrorReadKey(){return errorReadKey;}
    public String GeterrorShopEnCrypt(){return errorShopEnCrypt;}
    public String GeterrorShopDeCrypt(){return errorShopDeCrypt;}
    /**
     *
     * @param s <B> </B>
     * @return true - <Br>false -
     */
    public boolean CheckWord(String s)
    {
        if (s==null) return true;
        boolean flag=false;
        for (int i=0;i<s.length();i++)
        {
            int p=Integer.valueOf(s.charAt(i));
            if (p<33 || p>146) flag=true;
        }
        if (flag)
        {
            System.out.println("The word should contain only latin letters and special symbols");
            return true;
        }
        return false;
    }
    /**
     *
     * @param file <B> </B>
     * @param in <B> </B>
     * @return
     */
    public String ShopDeCrypt(String file, String in)
    {
        try
        {
            if (in.length()==0) return null;
            if (in.length())>maxLen return null; // (max=56 )
            Cipher cipher = Cipher.getInstance(CipherCode);
            cipher.init(Cipher.DECRYPT_MODE, ReadKey(file));
            char [] chin = new char [in.length()];
            byte [] data = new byte [in.length()];
            for (int i=0;i<in.length();i++) chin[i]=in.charAt(i);
            for (int i=0;i<in.length();i++) data[i]=(byte)chin[i];
            byte[] end = cipher.doFinal(data);
            char [] chend = new char [end.length];
            for (int i=0;i<end.length;i++) chend[i]=(char)end[i];
            return (new String(chend));
        }
        catch (NoSuchAlgorithmException e)
        {SeterrorShopDeCrypt(e.getMessage()); return null;}
        catch (NoSuchPaddingException e)
        {SeterrorShopDeCrypt(e.getMessage()); return null;}
        catch (InvalidKeyException e)

```

```

        {SeterrorShopDeCrypt(e.getMessage()); return null;}
    catch (IllegalBlockSizeException e)
    {SeterrorShopDeCrypt(e.getMessage()); return null;}
    catch (BadPaddingException e)
    {SeterrorShopDeCrypt(e.getMessage()); return null;}
}
/**
 * @param file <B>
 * @param in <B>
 * @return
 */
public String ShopEnCrypt(String file, String in)
{
    try
    {
        if (in.length()==0)
        {
            System.out.print("The password has zero length!");
            System.out.println();
            return null;
        };
        if (in.length()>=maxLen) // =56 , 64
        {
            System.out.print("The length of the password should be between 0 and 56 symbols!");
            System.out.println();
            return null;
        }
        if (CheckWord(in)) return null;
        ///////////////////////////////////////////////////
        Cipher cipher = Cipher.getInstance(CipherCode);
        cipher.init(Cipher.ENCRYPT_MODE, ReadKey(file));
        byte [] bcipher;
        char [] chout;
        char [] chin = new char [in.length()];
        byte [] data = new byte [in.length()];
        for (int i=0;i<in.length();i++) chin[i]=in.charAt(i);
        for (int i=0;i<in.length();i++) data[i]=(byte)chin[i];
        bcipher = cipher.doFinal(data);
        chout = new char[bcipher.length];
        for (int i=0;i<bcipher.length;i++) chout[i]=(char)bcipher[i];
        return (new String(chout));
    }
    catch (NoSuchAlgorithmException e)
    {SeterrorShopEnCrypt(e.getMessage()); return null;}
    catch (NoSuchPaddingException e)
    {SeterrorShopEnCrypt(e.getMessage()); return null;}
    catch (InvalidKeyException e)
    {SeterrorShopEnCrypt(e.getMessage()); return null;}
    catch (IllegalBlockSizeException e)
    {SeterrorShopEnCrypt(e.getMessage()); return null;}
    catch (BadPaddingException e)
    {SeterrorShopEnCrypt(e.getMessage()); return null;}
}
/**
 * @return
 * @param file <B>
 */
public SecretKey ReadKey(String file)
{
    try
    {
        DataInputStream in = new DataInputStream(new FileInputStream(file));
        byte [] byteDES = new byte[size];
        in.readFully(byteDES);
        in.close();
        DESedeKeySpec keySpec = new DESedeKeySpec(byteDES);
        SecretKeyFactory keyFactory = SecretKeyFactory.getInstance(CipherCode);
        return keyFactory.generateSecret(keySpec);
    }
    catch (NoSuchAlgorithmException e){SeterrorReadKey(e.getMessage()); return null;}
    catch (InvalidKeyException e){SeterrorReadKey(e.getMessage()); return null;}
    catch (InvalidKeySpecException e){SeterrorReadKey(e.getMessage()); return null;}
    catch (IOException e){SeterrorReadKey(e.getMessage()); return null;}
}
/**
 * @param file <B>

```

```

*/
public void CreateKey(String file)
{
    try
    {
        Class clDES = DESedeKeySpec.class;
        KeyGenerator keyGen = KeyGenerator.getInstance(CipherCode);
        SecretKeyFactory keyFactory = SecretKeyFactory.getInstance(CipherCode);
        SecretKey key = keyGen.generateKey();
        DESedeKeySpec keySpec = (DESedeKeySpec)keyFactory.getKeySpec(key, clDES);
        byte[] byteDES = keySpec.getKey();
        FileOutputStream out = new FileOutputStream(file);
        out.write(byteDES);
        out.close();
    }
    catch (NoSuchAlgorithmException e){SeterrorCreateKey(e.getMessage());}
    catch (InvalidKeySpecException e){SeterrorCreateKey(e.getMessage());}
    catch (IOException e){SeterrorCreateKey(e.getMessage());}
}
}

```

### 1.3.5 GoodsEdit.java

```

////////////////////20.01.2007 1////////////////////
package shop.storekeeper;
import java.sql.*;
import oracle.jdbc.*;
/**
 *
 *
 */
public class GoodsEdit
{
    private Connection myConnection;
    private int id;
    private String name;
    private int cid;
    private String cs;
    private String brend;
    private String dn;
    private int wp;
    private int sid;
    private float cost;
    private int iid;
    private String error;
    private Boolean flag; //
    //////////////////////
    private synchronized void SetmyConnection(Connection conn){myConnection=conn;}
    private synchronized void Setflag(Boolean a){flag=a;}
    private synchronized void Seterror(String a){error=a;}
    private Connection GetmyConnection(){return myConnection;}
    private Boolean Getflag(){return flag;}
    public String Geterror(){return error;}
    private String USER;
    private synchronized void SetUSER(String a){USER=a;}
    private String GetUSER(){return USER;}
    private int LengthMessageClob;
    /**
     *
     * @param p <B> CLOB. </B>
     */
    public synchronized void SetLengthMessageClob(int p){LengthMessageClob=p;}
    private int GetLengthMessageClob(){return LengthMessageClob;}
    /**
     *
     * @param a <B> </B>
     */
    public synchronized void Setid(int a){id=a;}
    /**
     *
     * @param a <B> </B>
     */
    public synchronized void Setcid(int a){cid=a;}
    /**
     *
     * @param a <B> </B>
     */
    public synchronized void Setsid(int a){sid=a;}
}

```

```

/**
 *
 * @param a <B>
 */
public synchronized void Setiid(int a){iid=a;}
/**
 *
 * @param a <B>
 */
public synchronized void Setname(String a){name=a;}
/**
 *
 * @param a <B>
 */
public synchronized void Setcs(String a){cs=a;}
/**
 *
 * @param a <B>
 */
public synchronized void Setbrend(String a){brend=a;}
/**
 *
 * @param a
 */
public synchronized void Setdn(String a){dn=a;}
/**
 *
 * @param a <B>
 */
public synchronized void Setwp(int a){wp=a;}
/**
 *
 * @param a <B>
 */
public synchronized void Setcost(float a){cost=a;}
private int Getid(){return id;}
/**
 *
 * @return
 */
public int Getcid(){return cid;}
/**
 *
 * @return
 */
public int Getsid(){return sid;}
/**
 *
 * @return
 */
public int Getiid(){return iid;}
/**
 *
 * @return
 */
public String Getname(){return name;}
/**
 *
 * @return
 */
public String Getcs(){return cs;}
/**
 *
 * @return
 */
public String Getbrend(){return brend;}
/**
 *
 * @return
 */
public String Getdn(){return dn;}
/**
 *
 * @return
 */
public int Getwp(){return wp;}
/**
 *
 * @return
 */
public float Getcost(){return cost;}

```

```

* @param conn <B>          -          </B>
* @param login <B>          ,          </B>
*/
public GoodsEdit(Connection conn, String login)
{
    SetmyConnection(conn);
    NullRecord();
    Seterror("          !");
    Setflag(false);
    SetUSER(login);
    SetLengthMessageClob(10000); //          ,
}
/**
 *          .
 */
public void finalize() throws SQLException
{
    GetmyConnection().rollback();
}
////////////////////////////////////
private void NullRecord()
{
    Setid(0);
    Setname("          !");
    Setcid(0);
    Setcs("          !");
    Setdn("          !");
    Setbrend("          !");
    Setwp(0);
    Setsid(0);
    Setcost(0);
    Setiid(0);
}
/**
 *          .
 */
public void RecordCommit()
{
    try
    {
        if (Getflag())
        {
            String str;
            str="UPDATE "+GetUSER()+" .TABLE_GOODS SET ";
            str=str+"NAME='"+Getname()+"', ";
            str=str+"CATEGORY_ID='"+Getcid()+"', ";
            str=str+"CHARACTERISTICS='"+Getcs()+"', ";
            str=str+"BREND='"+Getbrend()+"', ";
            str=str+"DESCRIPTION='"+Getdn()+"', ";
            str=str+"WARRANTY_PERIOD='"+Getwp()+"', ";
            str=str+"SUPPLIER_ID='"+Getsid()+"', ";
            str=str+"COST='"+Getcost()+"', ";
            str=str+"IMAGE_ID='"+Getiid()+"';
            str=str+" WHERE ID='"+Getid();
            Statement stmt = GetmyConnection().createStatement();
            stmt.executeUpdate(str);
            stmt.close();
            GetmyConnection().commit();
            NullRecord();
            Seterror("          !");
            Setflag(false); //
        }
        else {Seterror("          !"); NullRecord();}
    }
    catch(SQLException e)
    {
        switch (e.getErrorCode())
        {
            default : Seterror("          : "+e.getMessage());
                    NullRecord();
                    Setflag(false);
        }
    }
}
/**
 * @param id <B>          </B>
 */
public void RecordUpdate(int id)
{

```

```

try
{
    if (Getflag()==false)
    {
        //////////////////////////////////////
        String str="SELECT * FROM "+GetUSER()+" .TABLE_GOODS ";
        str=str+"WHERE ID="+id+" FOR UPDATE NOWAIT";
        Statement stmt = GetmyConnection().createStatement();
        ResultSet rs = stmt.executeQuery(str);
        while (rs.next()) //
        {
            Setid(rs.getInt(1));
            Setname(rs.getString(2));
            Setcid(rs.getInt(3));
            ////////////////////////////////// CLOB //////////////////////////////////
            OracleResultSet ora;
            ora=(oracle.jdbc.OracleResultSet)rs;
            oracle.sql.CLOB clob = (oracle.sql.CLOB)ora.getClob(4);
            // , LengthMessageClob
            String st = String.valueOf(ora.getClob(4).getSubString(1,GetLengthMessageClob()));
            Setcs(st);
            st = String.valueOf(ora.getClob(6).getSubString(1,GetLengthMessageClob()));
            Setdn(st);
            //////////////////////////////////
            Setbrend(rs.getString(5));
            Setwp(rs.getInt(7));
            Setsid(rs.getInt(8));
            Setcost(rs.getFloat(9));
            Setiid(rs.getInt(10));
            Seterror(" !");
            Setflag(true); //
        }
        rs.close();
        stmt.close();
        //////////////////////////////////
    }
    else {Seterror(" !");}
}
catch(SQLException e)
{
    switch (e.getErrorCode())
    {
        case 54: Seterror(" !");
                NullRecord();
                break;
        default : Seterror(" : "+e.getMessage()); NullRecord();
    }
}
}
}
}

```

### 1.3.6 ShowGoods.java

```

////////////////////////////////19.01.2007 1////////////////////////////////
package shop.storekeeper;
import java.sql.*;
import java.util.*;
import shop.client.*;
/**
 * , " "
 */
public class ShowGoods
{
    String [] Mark = { ">", "<", ">=", "<=", "=" };
    private String USER;
    private final String font = "Trebuchet MS";
    private final String fontsizeTextAll="12";
    private Connection myConnection;
    private ResultSet cursorViewTG; // ID:NAME TABLE_GOODS
    private List lsViewTG;
    private int numViewTG;
    private int IDG; //ID ,
    private synchronized void SetmyConnection(Connection conn){myConnection=conn;}
    /**
     * " "
     *
     * @param a <B> </B>
     */
}

```



```

public synchronized void SetIDG(int a){IDG=a;}
private synchronized void SetnumViewTG(int a){numViewTG=a;}
private synchronized void SetlsViewTG(List a){lsViewTG=a;}
private synchronized void SetcursorViewTG(ResultSet a){cursorViewTG=a;}
private synchronized void SetUSER(String a){USER=a;}
////////////////////////////////////
private Connection GetmyConnection(){return myConnection;}
private ResultSet GetcursorViewTG(){return cursorViewTG;}
private int GetnumViewTG(){return numViewTG;}
private int GetIDG(){return IDG;}
private List GetlsViewTG(){return lsViewTG;}
private String GetUSER(){return USER;}
private HtmlPage hp;
private synchronized void Sethp(HtmlPage a){hp=a;}
private HtmlPage Gethp(){return hp;}
private String ExceptionProcView;
public String GetExceptionProcView(){return ExceptionProcView;}
private synchronized void SetExceptionProcView(String s){ExceptionProcView=s;}
/**
 *
 * @param conn <B> - </B>
 * @param USER <B> , </B>
 */
public ShowGoods(Connection conn, String USER)
{
    SetmyConnection(conn);
    SetUSER(USER);
    Sethp(new HtmlPage());
    SetlsViewTG(Collections.synchronizedList(new ArrayList()));
}
/**
 * HTML
 * @return Html
 */
public String GetMainWindow()
{
    HtmlPage hp = new HtmlPage();
    int H=1150;
    for (int i=0;i<GetnumViewTG();i++)
        H+=30;
    return hp.GetHtmlFormWindow(0,0,1004,H,"2","0000FF","000000");
}
/**
 *
 * @return Html
 */
public String GetHtmlView()
{
    String str="";
    int k=0;
    int top=1100;
    for (int i=0;i<GetnumViewTG();i++)
    {
        str+=Gethp().GetHtmlLink(top,25,950,30,
                                GetlsViewTG().get(k)+". "+GetlsViewTG().get(k+1),
                                font,"GoodViewGoods.jsp?ID="+GetlsViewTG().get(k),
                                fontsizeTextAll);

        k+=10;
        top+=30;
    }
    return str;
}
//////////////////////////////////// IMAGE_ID ID //////////////////////////////////////
private int GetIDImage()
{
    int k=0;
    for (int i=0;i<GetnumViewTG();i++)
    {
        if ((Integer)GetlsViewTG().get(k)==GetIDG())
            return (Integer)GetlsViewTG().get(k+9);
        k+=10;
    }
    return 0;
}
/**
 * Html
 *
 * @param x <B> x</B>
 * @param y <B> y</B>

```

```

* @return      html
*/
public String GetImageApplet(int x, int y)
{
    String str="";
    str=str+"<div class='default_style' style='position:absolute;";
    str=str+"top:"+String.valueOf(y)+"left:"+String.valueOf(x)+"";
    str=str+"width:266;height:266;";
    str=str+"border-width:3;border-style:solid;border-color:#0000FF;";
    str=str+"background-color:#000000;'>";
    str=str+"<applet code='ShowImage.class' width=250 height=250>";
    str=str+"<PARAM NAME='id' VALUE='"+String.valueOf(GetIDImage())+"'>";
    str=str+"<PARAM NAME='x' VALUE='0'>";
    str=str+"<PARAM NAME='y' VALUE='0'>";
    str=str+"</applet></div>";
    return str;
}
//////////      SQL-      //////////////////////////////////////
private String View(String cid, String sid, String brend, String iff1, String iffS1,
                    String iff2, String iffS2)
{
    try
    {
        //////////////////////////////////////
        int CID=0;
        int SID=0;
        double COST=0;
        double WP=0;
        if (cid.length()>0) CID=Integer.valueOf(cid);
        if (sid.length()>0) SID=Integer.valueOf(sid);
        if (brend.length()>1000) return ""; //
        if (iff1.length()>0)
            if (!iff1.equals(Mark[0]) && !iff1.equals(Mark[1]) &&
                !iff1.equals(Mark[2]) && !iff1.equals(Mark[3]) &&
                !iff1.equals(Mark[4])) return "";
        if (iff2.length()>0)
            if (!iff2.equals(Mark[0]) && !iff2.equals(Mark[1]) &&
                !iff2.equals(Mark[2]) && !iff2.equals(Mark[3]) &&
                !iff2.equals(Mark[4])) return "";
        if (iffS2.length()>0) COST = Double.valueOf(iffS2);
        if (iffS1.length()>0) WP = Integer.valueOf(iffS1);
        //////////////////////////////////////
        String select="";
        if (cid.length()!=0||sid.length()!=0||brend.length()!=0||
            iffS1.length()!=0||iffS2.length()!=0)
        {
            //      WHERE
            String str1="";String str2="";String str3="";String str4="";String str5="";
            select="SELECT * FROM "+GetUSER()+".TABLE_GOODS WHERE ";
            if (cid.length()!=0) str1="(CATEGORY_ID="+cid+")"; else str1="(ID=ID)"; //ID=ID -      true
            if (sid.length()!=0) str2="(SUPPLIER_ID="+sid+")"; else str2="(ID=ID)";
            if (brend.length()!=0) str3="(BREND='"+brend+"'"; else str3="(ID=ID)";
            if (iffS1.length()!=0) str4="(WARRANTY_PERIOD "+iff1+" "+iffS1+")"; else str4="(ID=ID)";
            if (iffS2.length()!=0) str5="(COST "+iff2+" "+iffS2+")"; else str5="(ID=ID)";
            select+=str1+"AND"+str2+"AND"+str3+"AND"+str4+"AND"+str5;
            select+=" ORDER BY ID";
        }
        else
            select="SELECT * FROM "+GetUSER()+".TABLE_GOODS ORDER BY ID";
        return select;
    }
    catch(Exception e){return " ";}
}
/**
 *
 * @param cid <B>                                </B>
 * @param sid <B>                                </B>
 * @param brend <B>                                </B>
 * @param iff1 <B>                                </B>
 * @param iffS1 <B>                                </B>
 * @param iff2 <B>                                </B>
 * @param iffS2 <B>                                </B>
 */
public void ProcView(String cid, String sid, String brend, String iff1, String iffS1,
                    String iff2, String iffS2)
{
    try
    {
        String str="";
        str=View(cid, sid, brend, iff1, iffS1, iff2, iffS2);
        if (str!="")
        {

```

```

    GetmyConnection().setTransactionIsolation(Connection.TRANSACTION_SERIALIZABLE);
    Statement stmt = (Statement)GetmyConnection().createStatement();
    ResultSet rs = (ResultSet)stmt.executeQuery(View(cid, sid, brend, iff1, iffS1, iff2, iffS2));
    SetcursorViewTG(rs);
    GetmyConnection().commit();
    ShopResultSet SRS = new ShopResultSet();
    SRS.SetEsClobView(true);
    SRS.GetResultSet(GetcursorViewTG());
    SetlsViewTG(SRS.Getls());
    SetnumViewTG(SRS.Getcount());
    rs.close();
    stmt.close();
}
}
catch (SQLException e){SetExceptionProcView(e.getMessage());}
}
/**
 *
 * ID
 * @return
 * @param param <B>
 * </B>
 */
public String GetData(int param)
{
    int k=0;
    for (int i=0;i<GetnumViewTG();i++)
    {
        if ((Integer)GetlsViewTG().get(k)==GetIDG())
            switch (param)
            {
                case 1: return (String.valueOf(GetlsViewTG().get(k)));
                case 2: return (String.valueOf(GetlsViewTG().get(k+1)));
                case 3: return (String.valueOf(GetlsViewTG().get(k+2)));
                case 4: return (String.valueOf(GetlsViewTG().get(k+3)));
                case 5: return (String.valueOf(GetlsViewTG().get(k+4)));
                case 6: return (String.valueOf(GetlsViewTG().get(k+5)));
                case 7: return (String.valueOf(GetlsViewTG().get(k+6)));
                case 8: return (String.valueOf(GetlsViewTG().get(k+7)));
                case 9: return (String.valueOf(GetlsViewTG().get(k+8)));
            }
        k+=10;
    }
    return null;
}
}
}

```

### 1.3.7 Orders.java

```

//////////10.02.2007 1//////////
package shop.storekeeper;
import java.util.*;
import java.sql.*;
import java.text.*;
import oracle.jdbc.*;
import shop.client.*;
/**
 *
 * OrderMain.jsp, OrderOne.jsp OrderTwo.jsp.
 *
 */
public class Orders
{
    //////////// HTML ////////////
    private final String font = "Trebuchet MS";
    private final String borderwidth = "3";
    private final String bordercolor = "0000FF";
    private final String backgroundcolor = "B5B5B5";
    private final String colorText="0000FF";
    private final String fontsizeText="15";
    private final String fontsizeTextAll="12";
    private final String bgcolorEdit="000000";
    private final String colorEdit="7FFF00";
    private final String borcolorEdit="0000FF";
    //////////// Oracle ////////////
    private String USER;
    private synchronized void SetUSER(String a){USER=a;}
    private String GetUSER(){return USER;}
    ////////////
    private Connection myConnection;
}

```

```
private synchronized void SetMyConnection(Connection conn){myConnection=conn;}
private Connection GetMyConnection(){return myConnection;}
///////////////////////////////////////////////////
private ShopResultSet SRS_A;
private synchronized void SetSRS_A(ShopResultSet a){SRS_A=a;}
/**
 * " " " " " " " "
 * @return
 */
public ShopResultSet GetSRS_A(){return SRS_A;}
private ShopResultSet SRS_B;
private synchronized void SetSRS_B(ShopResultSet a){SRS_B=a;}
private ShopResultSet GetSRS_B(){return SRS_B;}
private ShopResultSet SRS_C;
private synchronized void SetSRS_C(ShopResultSet a){SRS_C=a;}
private ShopResultSet GetSRS_C(){return SRS_C;}
private ShopResultSet SRS_D;
private synchronized void SetSRS_D(ShopResultSet a){SRS_D=a;}
private ShopResultSet GetSRS_D(){return SRS_D;}
///////////////////////////////////////////////////
private int ErrorOrNotError;
private synchronized void SetErrorOrNotError(int a){ErrorOrNotError=a;}
private int GetErrorOrNotError(){return ErrorOrNotError;}
///////////////////////////////////////////////////
private float Sum;
private synchronized void SetSum(float a){Sum=a;}
private float GetSum(){return Sum;}
////////////////////////////////////Exception////////////////////////////////////
String ExceptionGetSQLSRS_A;
private synchronized void SetExceptionGetSQLSRS_A(String a){ExceptionGetSQLSRS_A=a;}
public String GetExceptionGetSQLSRS_A(){return ExceptionGetSQLSRS_A;}
String ExceptionGetSQLSRS_B;
private synchronized void SetExceptionGetSQLSRS_B(String a){ExceptionGetSQLSRS_B=a;}
public String GetExceptionGetSQLSRS_B(){return ExceptionGetSQLSRS_B;}
String ExceptionGetSQLSRS_C;
private synchronized void SetExceptionGetSQLSRS_C(String a){ExceptionGetSQLSRS_C=a;}
public String GetExceptionGetSQLSRS_C(){return ExceptionGetSQLSRS_C;}
String ExceptionGetSQLSRS_D;
private synchronized void SetExceptionGetSQLSRS_D(String a){ExceptionGetSQLSRS_D=a;}
public String GetExceptionGetSQLSRS_D(){return ExceptionGetSQLSRS_D;}
String ExceptionSQLUpdate;
private synchronized void SetExceptionSQLUpdate(String a){ExceptionSQLUpdate=a;}
public String GetExceptionSQLUpdate(){return ExceptionSQLUpdate;}
String ExceptionSQLUpdateTwo;
private synchronized void SetExceptionSQLUpdateTwo(String a){ExceptionSQLUpdateTwo=a;}
public String GetExceptionSQLUpdateTwo(){return ExceptionSQLUpdateTwo;}
String ExceptionSQLOrderMain;
private synchronized void SetExceptionSQLOrderMain(String a){ExceptionSQLOrderMain=a;}
public String GetExceptionSQLOrderMain(){return ExceptionSQLOrderMain;}
String ExceptionSQLOrderOne;
private synchronized void SetExceptionSQLOrderOne(String a){ExceptionSQLOrderOne=a;}
public String GetExceptionOrderOne(){return ExceptionSQLOrderOne;}
String ExceptionSQLOrderTwo;
private synchronized void SetExceptionSQLOrderTwo(String a){ExceptionSQLOrderTwo=a;}
public String GetExceptionOrderTwo(){return ExceptionSQLOrderTwo;}
///////////////////////////////////////////////////
private String GetFormat(float f)
{
    NumberFormat Df = new DecimalFormat("0.00");
    return Df.format(f);
}
///////////////////////////////////////////////////
private String Procedurehtml(HtmlPage hp, ShopResultSet srs)
{
    String str="";
    str+=hp.GetHtmlText(260,30,100,40,"ID",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(262,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(0)),
        "text","");
    str+=hp.GetHtmlText(282,30,100,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(284,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(1)),
        "text","");
    str+=hp.GetHtmlText(304,30,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(306,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(2)),
        "text","");
    str+=hp.GetHtmlText(326,30,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(328,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
```

```

        String.valueOf(srs.GetLs().get(4)),
        "text", "");
    str+=hp.GetHtmlText(348,30,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(350,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(6)),
        "text", "");
    str+=hp.GetHtmlText(370,30,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(372,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(7)),
        "text", "");
    str+=hp.GetHtmlText(392,30,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(394,150,360,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(8)),
        "text", "");

    int h=246;
    str+=hp.GetHtmlText(h,540,100,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(9)),
        "text", "");
    str+=hp.GetHtmlText(h+22*1,540,100,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*1+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(10)),
        "text", "");
    str+=hp.GetHtmlText(h+22*2,540,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*2+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(11)),
        "text", "");
    str+=hp.GetHtmlText(h+22*3,540,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*3+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(12)),
        "text", "");
    str+=hp.GetHtmlText(h+22*4,540,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*4+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(13)),
        "text", "");
    str+=hp.GetHtmlText(h+22*5,540,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*5+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(14)),
        "text", "");
    str+=hp.GetHtmlText(h+22*6,540,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*6+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(15)),
        "text", "");
    str+=hp.GetHtmlText(h+22*7,540,140,40,"",font,colorText,"12",false);
    str+=hp.GetHtmlEdit(h+22*7+2,660,310,20,true,"",font,12,bgcolorEdit,colorEdit,borcolorEdit,
        String.valueOf(srs.GetLs().get(16)),
        "text", "");

    return str;
}
/**
 * @param conn <B> - </B>
 * @param login <B> Oracle</B>
 * <BR> " "
 */
public Orders(Connection conn, String login)
{
    SetmyConnection(conn);
    SetUSER(login);
    SetSum(0);
    SetSRS_A(null);
    SetSRS_B(null);
    SetSRS_C(null);
    SetSRS_D(null);
    SetErrorOrNotError(0);
    SetExceptionGetSQLSRS_A("");
    SetExceptionGetSQLSRS_B("");
    SetExceptionGetSQLSRS_C("");
    SetExceptionGetSQLSRS_D("");
    SetExceptionSQLUpdate("");
    SetExceptionSQLUpdateTwo("");
    SetExceptionSQLOrderMain("");
    SetExceptionSQLOrderOne("");
    SetExceptionSQLOrderTwo("");
}
/**
 * @return Html OrderMain.jsp.
 */
public String OrderMain()

```

```

{
String str="";
HtmlPage hp = new HtmlPage();
str+=hp.GetHtmlFormWindow(0,0,1004,800,borderwidth, bordercolor,"000000");
str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");
str+=hp.GetHtmlText(10,220,650,50,"&quot;";font,
"FFF1BF","29",false);
str+=hp.GetHtmlFormWindow(180,20,500,140,borderwidth,bordercolor,backgroundcolor);
//-----//
str+="

```

```

*/
public String OrderTwo()
{
    String str="";
    HtmlPage hp = new HtmlPage();
    str+=hp.GetHtmlFormWindow(0,0,1004,800,borderwidth, bordercolor,"000000");
    str+=hp.GetHtmlFormWindow(80,0,1004,90,borderwidth,bordercolor,"00B7FF");
    str+=hp.GetHtmlText(10,240,600,50,"                &quot;                &quot;;",font,
                        "FFF1BF","29",false);
    if (GetErrorOrNotError()==0)
    {
        str+=hp.GetHtmlFormWindow(235,20,500,200,borderwidth,bordercolor,backgroundcolor);
        str+=hp.GetHtmlFormWindow(235,530,450,200,borderwidth,bordercolor,backgroundcolor);
        str+=hp.GetHtmlText(170,20,970,100,
            "                &quot;                &quot;;",
            font,"FFF1BF","20",false);
        str+=hp.GetHtmlText(233,30,900,40,"                "+GetFormat(GetSum())+" . .",
            font,colorText,"15",false);
        str+=Procedurehtml(hp,GetSRS_B());
    }
    if (GetErrorOrNotError()==1)
    {
        str+=hp.GetHtmlText(180,20,970,100,
            "                " +
            "                !",font,"FFF1BF","20",false);
    }
    if (GetErrorOrNotError()==2)
    {
        str+=hp.GetHtmlText(180,20,970,100,
            "                !",font,"FFF1BF","20",false);
    }
    //////////////////////////////////////
    str+="

```



```

        "SNP,PHONE,MAIL," +
        "INDEXX,COUNTRY,AREA,CITY,STREET,HOUSE,CASES,APARTMENT " +
        "FROM "+GetUSER()+"."+TABLE_WAYBILL_ORDER,"+GetUSER()+"."+TABLE_PAYMENT," +
        GetUSER()+"."+TABLE_DELIVERY," +GetUSER()+"."+TABLE_USER,"+
        GetUSER()+"."+TABLE_ADDRESS_U " +
        "WHERE (PAYMENT_ID=TABLE_PAYMENT.ID)AND(DELIVERY_ID=TABLE_DELIVERY.ID)AND" +
        "(USER_ID=TABLE_USER.ID)AND(ADDRESS_U_ID=TABLE_ADDRESS_U.ID)AND"+
        "(TABLE_WAYBILL_ORDER.ID="+String.valueOf(TABLE_WAYBILL_ORDER_ID)+" )";
Statement stmt = GetmyConnection().createStatement();
ResultSet rs = stmt.executeQuery(SQL);
ShopResultSet SRS = new ShopResultSet();
SRS.SetEsClobView(false);
SRS.GetResultSet(rs);
SetSRS_B(SRS);
//////////
float m1=0;float m2=0;
m1=(Float)GetSRS_B().GetLs().get(3);
m2=(Float)GetSRS_B().GetLs().get(5);
SetSum(GetSum()+m1+m2);
}
catch(SQLException e){SetExceptionGetSQLSRS_B(e.getMessage());}
}
//////////
private void GetSQLSRS_C()
{
    try
    {
        String SQL="SELECT ID FROM "+GetUSER()+"."+TABLE_WAYBILL_ORDER WHERE STATUS=0";
        Statement stmt = GetmyConnection().createStatement();
        ResultSet rs = stmt.executeQuery(SQL);
        ShopResultSet SRS = new ShopResultSet();
        SRS.SetEsClobView(false);
        SRS.GetResultSet(rs);
        SetSRS_C(SRS);
    }
    catch(SQLException e){SetExceptionGetSQLSRS_C(e.getMessage());}
}
//////////
private void GetSQLSRS_D()
{
    try
    {
        String SQL="SELECT ID FROM "+GetUSER()+"."+TABLE_WAYBILL_ORDER WHERE STATUS=1";
        Statement stmt = GetmyConnection().createStatement();
        ResultSet rs = stmt.executeQuery(SQL);
        ShopResultSet SRS = new ShopResultSet();
        SRS.SetEsClobView(false);
        SRS.GetResultSet(rs);
        SetSRS_D(SRS);
    }
    catch(SQLException e){SetExceptionGetSQLSRS_D(e.getMessage());}
}
//////////
private int SQLUpdate(int TABLE_WAYBILL_ORDER_ID)
{
    try
    {
        //////////////////////////////////////
        //
        // 1 UPDATE = 1, 2- OR.jsp - 1
        // .=>
        //
        // , 8177 - 1- commit
        //////////////////////////////////////
        String SQL_="SELECT STATUS FROM "+GetUSER()+"."+TABLE_WAYBILL_ORDER " +
            "WHERE ID="+String.valueOf(TABLE_WAYBILL_ORDER_ID);
        Statement stmt_ = GetmyConnection().createStatement();
        ResultSet rs_ = stmt_.executeQuery(SQL_);
        int ST=0;
        while (rs_.next())
        {
            ST=rs_.getInt(1);
        }
        if (ST==1) // 8177
            return 3;
        String SQL="UPDATE "+GetUSER()+"."+TABLE_WAYBILL_ORDER SET STATUS=1 " +
            "WHERE ID="+String.valueOf(TABLE_WAYBILL_ORDER_ID);
        Statement stmt = GetmyConnection().createStatement();
        int res = stmt.executeUpdate(SQL);
        return 0; //
    }
}

```



```

}
catch(SQLException e)
{
    switch (e.getErrorCode())
    {
        //
        case 8177: SetExceptionsSQLUpdate(e.getMessage()); return 1;
        //
        default: SetExceptionsSQLUpdate(e.getMessage()); return 2;
    }
}
}
////// 2 - //////////////////////////////////////
private int SQLUpdateTwo(int TABLE_WAYBILL_ORDER_ID)
{
    try
    {
        String SQL="UPDATE "+GetUSER()+".TABLE_WAYBILL_ORDER SET STATUS=2 " +
            "WHERE ID="+String.valueOf(TABLE_WAYBILL_ORDER_ID);
        Statement stmt = GetmyConnection().createStatement();
        int res = stmt.executeUpdate(SQL);
        return 0; //
    }
    catch(SQLException e)
    {
        switch (e.getErrorCode())
        {
            //
            case 8177: SetExceptionsSQLUpdateTwo(e.getMessage()); return 1;
            //
            default: SetExceptionsSQLUpdateTwo(e.getMessage()); return 2;
        }
    }
}
}
/**
 *
 */
public void SQLOrderMain()
{
    int i=0;
    try
    {
        GetmyConnection().setTransactionIsolation(GetmyConnection().TRANSACTION_SERIALIZABLE);
        GetSQLSRS_C();
        GetSQLSRS_D();
        GetmyConnection().commit();
    }
    catch(SQLException e){SetExceptionSQLOrderMain(e.getMessage());
        try {GetmyConnection().rollback();} catch (SQLException e_){}}
}
/**
 *
 * @param TABLE_WAYBILL_ORDER_ID <B> , OrderOne.jsp. </B>
 */
public void SQLOrderOne(int TABLE_WAYBILL_ORDER_ID)
{
    int i=0;
    try
    {
        GetmyConnection().setTransactionIsolation(GetmyConnection().TRANSACTION_SERIALIZABLE);
        i=SQLUpdate(TABLE_WAYBILL_ORDER_ID); // = 1
        if (i==0) //
        {
            GetSQLSRS_A(TABLE_WAYBILL_ORDER_ID);
            GetSQLSRS_B(TABLE_WAYBILL_ORDER_ID);
        }
        GetmyConnection().commit();
        SetErrorOrNotError(i);
    }
    catch(SQLException e){SetExceptionSQLOrderOne(e.getMessage());
        SetErrorOrNotError(i);
        try {GetmyConnection().rollback();} catch (SQLException e_){}}
}
/**
 *
 * @param TABLE_WAYBILL_ORDER_ID <B> , OrderTwo.jsp. </B>
 */
public void SQLOrderTwo(int TABLE_WAYBILL_ORDER_ID)
{
    int i=0;
    try

```

```

{
    GetmyConnection().setTransactionIsolation(GetmyConnection().TRANSACTION_SERIALIZABLE);
    i=SQLUpdateTwo(TABLE_WAYBILL_ORDER_ID); // = 2
    if (i==0) //
    {
        GetSQLSRS_A(TABLE_WAYBILL_ORDER_ID);
        GetSQLSRS_B(TABLE_WAYBILL_ORDER_ID);
    }
    GetmyConnection().commit();
    SetErrorOrNotError(i);
}
catch(SQLException e){SetExceptionSQLOrderTwo(e.getMessage());
    SetErrorOrNotError(i);
    try {GetmyConnection().rollback();} catch (SQLException e_){}}
}
}

```

### 1.3.8 StorekeeperBean.java

```

//////////04.02.2007 1//////////
package shop.storekeeper;
import java.sql.*;
import oracle.jdbc.*;
import shop.client.*;
import java.util.*;
import shop.adm.*;
/**
 * JavaBean
 *
 */
public class StorekeeperBean
{
    ////////////
    boolean EsWork;
    private synchronized void SetEsWork(boolean a){EsWork=a;}
    public boolean GetEsWork(){return EsWork;}
    ////////////
    private final int ISO_CONST_CYR=7; // 1
    private final int lenNAMESupplier=100; //
    private final int lenNAMECategory=100; //
    private final int lenWAY=200; //
    private final int lenCOST=20;
    private final int WFlenNAME=200; //
    private final int WFlenCOUNTRY=200; //
    private final int WFlenAREA=200; //
    private final int WFlenCITY=200; //
    private final int WFlenSTREET=300; //
    private final int WFlenHOUSE=9;
    private final int WGlenAmount=18;
    private final int GlenNAME=100; //
    private final int GlenBREND=50; //
    private final int GlenWARRANTY_PERIOD=2;
    private final int GlenCOST=20;
    private final int VGlenBREND=50; //
    private final int VGlenWARRANTY_PERIOD=2;
    private final int VGlenCOST=20;
    private final int EGlenNAME=100; //
    private final int EGlenBREND=50; //
    private final int EGlenWARRANTY_PERIOD=2;
    private final int EGlenCOST=20;
    private final int lenLOGIN=15; //
    private final int lenPASSWORD=55; //
    ////////////
    private final String charset="ISO-8859-1";
    private final String OwnerTable="SHOP";
    private final String LOGIN="SHOP";
    private final String PASSWORD="AsP6_45?F!@/?$%fdER3";
    private final String Error="";
    private final String Ok="!";
    //////////// HTML ////////////
    private final int TopWindow=0;
    private final int LeftWindow=0;
    private final int WidthWindow=1004;
    private final int HeightWindow=800;
    private final String bgColorWindow="000000";
    private final int LeftTable=20;
    private final int WidthTable=960;

```

```

private final int HeightTable=300;
private final String fontsize ="12";
private final String font ="Trebuchet MS";
private final String bgColorTableBody="00BFFF";
private final String bgColorText="8B0000";
private final String bgColorTableHead="1E90FF";
private final String bgColorBorder="0000FF";
private final String cellPadding="5"; //
private final String cellSpacing="2"; //
//////////
private Connection myConnection;
private synchronized void SetmyConnection(Connection conn){myConnection=conn;}
private Connection GetmyConnection(){return myConnection;}
private String key;
private String host_ora;
private String sid_ora;
private String port_ora;
String LastEntrance;
String User;
private synchronized void SetLastEntrance(String a){LastEntrance=a;}
private String GetLastEntrance(){return LastEntrance;}
private synchronized void SetUser(String a){User=a;}
private String GetUser(){return User;}
//////////
private PLSQLStored Ps;
private PLSQLStored GetPs(){return Ps;}
private synchronized void SetPs(PLSQLStored s){Ps=s;}
private CodingISO Ciso;
private CodingISO GetCiso(){return Ciso;}
private synchronized void SetCiso(CodingISO s){Ciso=s;}
private ShowGoods Sg;
private ShowGoods GetSg(){return Sg;}
private synchronized void SetSg(ShowGoods s){Sg=s;}
private GoodsEdit Ge;
private GoodsEdit GetGe(){return Ge;}
private synchronized void SetGe(GoodsEdit s){Ge=s;}
private FormHTML Fhtml;
private FormHTML GetFhtml(){return Fhtml;}
private synchronized void SetFhtml(FormHTML s){Fhtml=s;}
private HtmlPage Hp;
private HtmlPage GetHp(){return Hp;}
private synchronized void SetHp(HtmlPage s){Hp=s;}
//////////Exception//////////
private String ExceptionStorekeeperBean;
private void SetExceptionStorekeeperBean(String a){ExceptionStorekeeperBean=a;}
public String GetExceptionStorekeeperBean(){return ExceptionStorekeeperBean;}
private String ExceptionGetConnection;
public String GetExceptionGetConnection(){return ExceptionGetConnection;}
private synchronized void SetExceptionGetConnection(String s){ExceptionGetConnection=s;}
private String ExceptionJSPOrderOne;
public String GetExceptionJSPOrderOne(){return ExceptionJSPOrderOne;}
private synchronized void SetExceptionJSPOrderOne(String s){ExceptionJSPOrderOne=s;}
private String ExceptionJSPOrderTwo;
public String GetExceptionJSPOrderTwo(){return ExceptionJSPOrderTwo;}
private synchronized void SetExceptionJSPOrderTwo(String s){ExceptionJSPOrderTwo=s;}
private boolean boolJSPGetView;
public boolean GetboolJSPGetView(){return boolJSPGetView;}
private synchronized void SetboolJSPGetView(boolean s){boolJSPGetView=s;}
//////////
private String SessionID;
private String GetSessionID(){return SessionID;}
/**
 * @param s <B> , </B>
 */
public synchronized void SetSessionID(String s){SessionID=s;}
//////////
private String statusJSPPayment;
private String GetstatusJSPPayment(){return statusJSPPayment;}
private synchronized void SetstatusJSPPayment(String s){statusJSPPayment=s;}
private String statusJSPDelivery;
private String GetstatusJSPDelivery(){return statusJSPDelivery;}
private synchronized void SetstatusJSPDelivery(String s){statusJSPDelivery=s;}
private String statusJSPSupplier;
private String GetstatusJSPSupplier(){return statusJSPSupplier;}
private synchronized void SetstatusJSPSupplier(String s){statusJSPSupplier=s;}
private String statusJSPCategory;
private String GetstatusJSPCategory(){return statusJSPCategory;}
private synchronized void SetstatusJSPCategory(String s){statusJSPCategory=s;}

```

```
private String statusJSPWarehousesFirm();  
private String GetstatusJSPWarehousesFirm(){return statusJSPWarehousesFirm;}  
private synchronized void SetstatusJSPWarehousesFirm(String s){statusJSPWarehousesFirm=s;}  
private String statusJSPWaybillsGoods();  
private String GetstatusJSPWaybillsGoods(){return statusJSPWaybillsGoods;}  
private synchronized void SetstatusJSPWaybillsGoods(String s){statusJSPWaybillsGoods=s;}  
private String statusJSPGoods();  
private String GetstatusJSPGoods(){return statusJSPGoods;}  
private synchronized void SetstatusJSPGoods(String s){statusJSPGoods=s;}  
////////////////////////////////////  
private String GetTable(ShopResultSet srs, int top)  
{  
    return GetHp().GetHtmlTable(top,LeftTable,WidthTable,HeightTable,  
        cellSpacing,cellPadding,bgColorBorder,bgColorTableHead,  
        fontsize,font, bgColorText, bgColorTableBody,  
        srs.GetLn(),srs.GetcountHead(),  
        srs.GetLs(),srs.Getcount());  
}  
/**  
 *      Html  
 * @return      Html  
 */  
public String JSPGetHeadHTML(){return GetHp().GetHeadHTML(charset);}  
/**  
 *      Html  
 * @return      Html  
 */  
public String JSPGetEndHTML(){return GetHp().GetEndHTML();}  
/**  
 *      Html.  
 * @return      Html  
 */  
public String JSPGetHtmlWindow(){return GetHp().GetHtmlWindow(TopWindow,LeftWindow,  
        WidthWindow,HeightWindow,bgColorWindow);}  
////////////////////////////////////  
private Connection GetConnection(String log, String pas,  
        String service, String host, int port)  
{  
    try  
    {  
        DriverManager.registerDriver(new oracle.jdbc.OracleDriver());  
        Connection conn = DriverManager.getConnection  
            ("jdbc:oracle:thin:@"+host+": "+String.valueOf(port)+" ":"service,log,pas");  
        conn.setAutoCommit(false);  
        return conn;  
    }  
    catch(SQLException e){SetExceptionGetConnection(e.getMessage());return null;}  
}  
/**  
 *      <B>  
 * @param login <B>                </B>  
 * @param password <B>            </B>  
 * @return 1 -  
 * 0 -  
 */  
public int JSPAUTH(String login, String password)  
{  
    if (login.length()!=0 && password.length()!=0 &&  
        login.length()<=lenLOGIN && password.length()<=lenPASSWORD)  
    {  
        if (GetPs().Auth(GetmyConnection(),login,password,key)==1)  
        {  
            SetUser(login);  
            SetLastEntrance(GetPs().GetAuthDate());  
            return 1;  
        }  
        else  
            return 0;  
    }  
    return 0;  
}  
/**  
 *      , JavaBean ,  
 *      , JavaBean ,  
 *      , JavaBean.  
 * @param id <B>                </B>  
 * @return true -  
 * false -  
 */
```

```

public boolean BoolSessionID(String id)
{
    if (id==null) return false;
    if (id.length()==0) return false;
    if (id.equals(GetSessionID()))
        return true;
    else return false;
}
/**
 * Supplier.jsp
 * @return      Html
 */
public String JSPSupplier(){return Fhtml.Supplier(GetstatusJSPSupplier(),lenNAMESupplier);}
/**
 * ADD_SUPPLIER      PLSQLStored      JSP.
 * @param N <B>      "      "</B>
 */
public void JSPNewSupplier(String N)
{
    if (N.length()<=lenNAMESupplier*ISO_CONST_CYR && N.length()!=0)
    {
        if (GetPs().ADD_SUPPLIER(GetmyConnection(),N)==1)
            SetstatusJSPSupplier(GetCiso().Coding(Ok));
        else
            SetstatusJSPSupplier(GetCiso().Coding(Error)+GetPs().GetExceptionADD_SUPPLIER());
    }
}
/**
 * Category.jsp
 * @return      Html
 */
public String JSPCategory(){return GetFhtml().Category(GetstatusJSPCategory(),lenNAMECategory);}
/**
 * ADD_CATEGORY      PLSQLStored      JSP.
 * @param N <B>      "      "</B>
 */
public void JSPNewCategory(String N)
{
    if (N.length()<=lenNAMECategory*ISO_CONST_CYR && N.length()!=0)
    {
        if (GetPs().ADD_CATEGORY(GetmyConnection(),N)==1)
            SetstatusJSPCategory(GetCiso().Coding(Ok));
        else
            SetstatusJSPCategory(GetCiso().Coding(Error)+GetPs().GetExceptionADD_CATEGORY());
    }
}
/**
 * AuthorizationError.jsp
 * @return      Html
 */
public String JSPAuthorizationError(){return GetFhtml().AuthorizationError();}
/**
 * OrderMain.jsp
 * @return      Html
 */
public String JSPOrderMain()
{
    Orders or = new Orders(GetmyConnection(),OwnerTable);
    or.SQLOrderMain();
    return or.OrderMain();
}
/**
 * OrderOne.jsp
 * @return      Html
 * @param TABLE_WAYBILL_ORDER_ID <B>      "</B>
 */
public String JSPOrderOne(String TABLE_WAYBILL_ORDER_ID)
{
    try
    {
        int i=Integer.valueOf(TABLE_WAYBILL_ORDER_ID);
        if (i==0) return "";
        Orders or = new Orders(GetmyConnection(),OwnerTable);
        or.SQLOrderOne(i);
        String str="";
        str+=or.OrderOne();
        if (or.GetErrorOrNotError()==0) str+=GetTable(or.GetSRS_A(),450);
        return str;
    }
    catch(Exception e){SetExceptionJSPOrderOne(e.getMessage());return "";}
}

```

```

/**
 *                               OrderTwo.jsp
 * @param TABLE_WAYBILL_ORDER_ID <B>                               </B>
 * @return                               Html
 */
public String JSPOrderTwo(String TABLE_WAYBILL_ORDER_ID)
{
    try
    {
        int i=Integer.valueOf(TABLE_WAYBILL_ORDER_ID);
        if (i==0) return "";
        Orders or = new Orders(GetmyConnection(),OwnerTable);
        or.SQLOrderTwo(i);
        String str="";
        str+=or.OrderTwo();
        if (or.GetErrorOrNotError()==0) str+=GetTable(or.GetSRS_A(),450);
        return str;
    }
    catch(Exception e){SetExceptionJSPOrderTwo(e.getMessage());return "";}
}
/**
 *                               Delivery.jsp
 * @return                               Html
 */
public String JSPDelivery(){return GetFhtml().Delivery(GetstatusJSPDelivery(),lenWAY,lenCOST);}
/**
 *                               ADD_DELIVERY                PLSQLStored                JSP.
 * @param S <B>                "                "</B>
 * @param C <B>                "                "</B>
 */
public void JSPNewDelivery(String S, String C)
{
    try
    {
        float c=Float.valueOf(C);
        if (S.length()<=lenWAY*ISO_CONST_CYR && S.length()!=0)
        {
            if (GetPs().ADD_DELIVERY(GetmyConnection(),S,C)==1)
                SetstatusJSPDelivery(GetCiso().Coding(Ok));
            else
                SetstatusJSPDelivery(GetCiso().Coding(Error)+GetPs().GetExceptionADD_DELIVERY());
        }
    }
    catch(Exception e){SetstatusJSPDelivery(e.getMessage());};
}
/**
 *                               Payment.jsp
 * @return                               Html
 */
public String JSPPayment(){return GetFhtml().Payment(GetstatusJSPPayment(),lenWAY,lenCOST);}
/**
 *                               ADD_PAYMENT                PLSQLStored                JSP.
 * @param S <B>                "                "</B>
 * @param C <B>                "                "</B>
 */
public void JSPNewPayment(String S, String C)
{
    try
    {
        float c=Float.valueOf(C);
        if (S.length()<=lenWAY*ISO_CONST_CYR && S.length()!=0)
        {
            if (GetPs().ADD_PAYMENT(GetmyConnection(),S,C)==1)
                SetstatusJSPPayment(GetCiso().Coding(Ok));
            else
                SetstatusJSPPayment(GetCiso().Coding(Error)+GetPs().GetExceptionADD_PAYMENT());
        }
    }
    catch(Exception e){SetstatusJSPPayment(e.getMessage());};
}
/**
 *                               GoodsWarehouses.jsp
 * @return                               Html
 */
public String JSPGoodsWarehouses()
{
    GoodsWarehousesClass gwc = new GoodsWarehousesClass();
    GetPs().JSPGoodsWarehouses(GetmyConnection());
    String str="";
    str+=GetFhtml().GoodsWarehouses(" ");
    str+=gwc.Panels(GetPs());
}

```

```

    str+=gwc.GetstrMainWindow()+str;
    str+=GetTable(GetPs().GetsrsTG(),260);
    str+=GetTable(GetPs().GetsrsTI(),600);
    str+=GetTable(GetPs().GetsrsTW(),940);
    return str;
}
/**
 * @return      Html      indexW.jsp
 */
public String JSPindexW(){return GetFhtml().indexW(lenLOGIN,lenPASSWORD);}
/**
 * @return      Html      workW.jsp
 */
public String JSPworkW(){return GetFhtml().workW(GetUser(),GetLastEntrance());}
/**
 * @return      Html      WarehousesFirm.jsp
 */
public String JSPWarehousesFirm()
{
    GetPs().JSPWarehousesFirm(GetmyConnection());
    String str="";
    str+=GetFhtml().WarehousesFirm(GetstatusJSPWarehousesFirm(),WFlenNAME,
                                   WFlenCOUNTRY,WFlenAREA,WFlenCITY,
                                   WFlenSTREET,WFlenHOUSE);

    str+=GetTable(GetPs().GetsrsTAW(),430);
    str+=GetTable(GetPs().GetsrsTW(),770);
    return str;
}
/**
 * @return      Html      WaybillsGoods.jsp
 */
public String JSPWaybillsGoods()
{
    GetPs().JSPWaybillsGoods(GetmyConnection());
    String str="";
    str+=GetFhtml().WaybillsGoods(GetPs().GetsrsTW().GetID(),GetPs().GetsrsTG().GetID(),
                                   GetstatusJSPWaybillsGoods(),WGlenAmount);

    str+=GetTable(GetPs().GetsrsTG(),430);
    str+=GetTable(GetPs().GetsrsTW(),770);
    str+=GetTable(GetPs().GetsrsTWL(),1110);
    return str;
}
/**
 * @return      Html      Goods.jsp
 */
public String JSPGoods()
{
    GetPs().JSPGoods(GetmyConnection());
    String str="";
    str+=GetFhtml().Goods(GetPs().GetsrsTC().GetID(),GetPs().GetsrsTS().GetID(),
                           GetstatusJSPGoods(),GlenNAME,GlenBREND,
                           GlenWARRANTY_PERIOD,GlenCOST);

    str+=GetTable(GetPs().GetsrsTG(),720);
    str+=GetTable(GetPs().GetsrsTC(),1060);
    str+=GetTable(GetPs().GetsrsTS(),1400);
    return str;
}
/**
 * @return      Html      ViewGoods.jsp
 */
public String JSPViewGoods()
{
    GetPs().JSPGoods(GetmyConnection());
    String str="";
    str+=GetFhtml().ViewGoods(GetPs().GetsrsTC().GetID(),GetPs().GetsrsTS().GetID(),
                               VGlenBREND,VGlenWARRANTY_PERIOD,VGlenCOST);

    str+=GetTable(GetPs().GetsrsTC(),400);
    str+=GetTable(GetPs().GetsrsTS(),740);
    if (GetboolJSPGetView()) str+=GetSg().GetHtmlView();
    str=GetSg().GetMainWindow()+str;
    return str;
}
/**
 * @return      Html      EditGoods.jsp

```

```

    */
    public String JSPEditGoods()
    {
        GetPs().JSPGoods(GetmyConnection());
        return GetFhtml().EditGoods(GetGe().Getname(),String.valueOf(GetGe().Getcid()),GetGe().Getcs(),
            GetGe().Getbrend(),GetGe().Getdn(),String.valueOf(GetGe().Getwp()),
            String.valueOf(GetGe().Getsid()),String.valueOf(GetGe().Getcost()),
            String.valueOf(GetGe().Getiid()),
            GetPs().GetsrsTG().GetID(),GetPs().GetsrsTC().GetID(),
            GetPs().GetsrsTS().GetID(),GetPs().GetsrsTIM().GetID(),GetGe().Geterror(),
            EGlenNAME,EGlenBREND,EGlenWARRANTY_PERIOD,EGlenCOST);
    }
    /**
     *
     * @return      Html
     */
    public String JSPGoodViewGoods()
    {
        String str="";
        str+=GetFhtml().GoodViewGoods(GetSg().GetData(1),GetSg().GetData(2),
            GetSg().GetData(3),GetSg().GetData(4),
            GetSg().GetData(5),GetSg().GetData(6),
            GetSg().GetData(7),GetSg().GetData(8),
            GetSg().GetData(9));
        str+=GetSg().GetImageApplet(640,215);
        return str;
    }
    /**
     *
     * @param id <B>
     */
    public void JSPRecordUpdate(String id)
    {
        try
        {
            int Id=Integer.valueOf(id);
            GetGe().RecordUpdate(Id);
            GetGe().Setid(Id);
        }
        catch(Exception e){}
    }
    /**
     *
     * @return true -      false -
     */
    public boolean JSPRecordCommit(String name, String cid, String cs,
        String brend, String dn, String wp,
        String sid, String cost, String iid)
    {
        try
        {
            int i=Integer.valueOf(cid);
            i=Integer.valueOf(wp);
            i=Integer.valueOf(iid);
            float f=Float.valueOf(cost);
            if (f<=0 || Integer.valueOf(iid)<=0 || Integer.valueOf(wp)<=0 ||
                Integer.valueOf(cid)<=0) return false;
        }
        catch(Exception e){return false;}
        GetGe().Setname(name);
        GetGe().Setcid(Integer.valueOf(cid));
        GetGe().Setcs(cs);
        GetGe().Setbrend(brend);
        GetGe().Setdn(dn);
        GetGe().Setwp(Integer.valueOf(wp));
        GetGe().Setsid(Integer.valueOf(sid));
        GetGe().Setcost(Float.valueOf(cost));
        GetGe().Setiid(Integer.valueOf(iid));
        GetGe().RecordCommit();
        return true;
    }
    /**
     *
     * @return true -      false -      JSP-
     */
    public void JSPGetView(String cid, String sid, String brend,
        String iff1, String iffS1,String iff2, String iffS2)
    {
        try
        {

```



```

    GetSg().ProcView(cid,sid,brend,iff1,iffS1,iff2,iffS2);
    SetboolJSPGetView(true); // - JSP-
}
catch(Exception e){}
}
/**
 * @param id <B>          </B>
 */
public void JSPSetIDG(String id)
{
    try
    {
        int ID=Integer.valueOf(id);
        GetSg().SetIDG(ID);
    }
    catch(Exception e){}
}
/**
 *
 * @param WID <B>          </B>
 * @param GID <B>          </B>
 * @param AMOUNT <B>      </B>
 */
public void JSPISSUE_WAYBILL(String WID, String GID, String AMOUNT)
{
    try
    {
        int wid=Integer.valueOf(WID);
        int gid=Integer.valueOf(GID);
        int amount=Integer.valueOf(AMOUNT);
        if (GetPs().ISSUE_WAYBILL(GetmyConnection(),WID,GID,AMOUNT)==1)
            SetstatusJSPWaybillsGoods(GetCiso().Coding(Ok));
        else
            SetstatusJSPWaybillsGoods(GetCiso().Coding(Error)+GetPs().GetExceptionISSUE_WAYBILL());
    }
    catch(Exception e){SetstatusJSPWaybillsGoods(e.getMessage());}
}
/**
 *
 */
public void JSPADD_WAREHOUSES(String name, String country, String area,
                             String city, String street, String house)
{
    if (GetPs().ADD_WAREHOUSES(GetmyConnection(),name, country, area, city,
                             street, house)==1)
        SetstatusJSPWarehousesFirm(GetCiso().Coding(Ok));
    else
        SetstatusJSPWarehousesFirm(GetCiso().Coding(Error)+GetPs().GetExceptionADD_WAREHOUSES());
}
/**
 *
 */
public void JSPREGISTRATION_NEW_GOODS(String name, String CID, String CH,
                                       String Brend, String DN, String WP,
                                       String SID, String COST, String file)
{
    if (GetPs().REGISTRATION_NEW_GOODS(GetmyConnection(),name,CID,CH,Brend,DN,WP,
                                       SID,COST,file)==1)
        SetstatusJSPGoods(GetCiso().Coding(Ok));
    else
        SetstatusJSPGoods(GetCiso().Coding(Error)+GetPs().GetExceptionREGISTRATION_NEW_GOODS());
}
/**
 *
 */
public StorekeeperBean()
{
    try
    {
        SetEsWork(false);
        key=System.getenv("SHOP_KEY");
        host_ora=System.getenv("HOST_ORA");
        sid_ora=System.getenv("SID_ORA");
        port_ora=System.getenv("PORT_ORA");
        int port=Integer.valueOf(port_ora);
        SetmyConnection(GetConnection(LOGIN,PASSWORD,sid_ora,host_ora,port));
        if (GetmyConnection()!=null)
        {
            SetUser("");
            SetSessionID("");
        }
    }
}

```

```

        SetLastEntrance("");
        SetCiso(new CodingISO());
        SetPs(new PLSQLStored(OwnerTable));
        SetHp(new HtmlPage());
        SetSg(new ShowGoods(GetmyConnection(), OwnerTable));
        SetFhtml(new FormHTML());
        // ge - - . .
        SetGe(new GoodsEdit(GetConnection(LOGIN, PASSWORD, sid_ora, host_ora, port), OwnerTable));
        SetstatusJSPWarehousesFirm(GetCiso().Coding(""));
        SetstatusJSPWaybillsGoods(GetCiso().Coding(""));
        SetstatusJSPGoods(GetCiso().Coding(""));
        SetstatusJSPDelivery(GetCiso().Coding(""));
        SetstatusJSPPayment(GetCiso().Coding(""));
        SetstatusJSPSupplier(GetCiso().Coding(""));
        SetstatusJSPCategory(GetCiso().Coding(""));
        SetboolJSPGetView(false);
        SetEsWork(true);
    }
}
catch(Exception e){SetExceptionStorekeeperBean(e.getMessage());SetEsWork(false);}
}
}

```

## 1.4 shop.web

### 1.4.1 ImageServlet.java

```

//////////03.02.2007 1//////////
package shop.web;
import java.sql.*;
import oracle.jdbc.*;
import oracle.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.*;
/**
 * BLOB- .
 */
public class ImageServlet extends HttpServlet
{
    private final String OwnerTable="SHOP";
    private final String LOGIN="SHOPMIN"; //
    private final String PASSWORD="qwerty";
    private Connection conn;
    private synchronized void SetConnection(Connection a){conn=a;};
    private Connection GetConnection(){return conn;};
    ////////////
    private Connection ServConnection(String log, String pas,
                                     String service, String host, String port)
    {
        if (log==null || pas==null || service==null || host==null || port==null)
            return null;
        try
        {
            DriverManager.registerDriver(new oracle.jdbc.OracleDriver());
            conn = DriverManager.getConnection
                ("jdbc:oracle:thin:@"+host+":"+port+":"+service,log, pas);
            return conn;
        }
        catch(SQLException e){return null;}
    }
    /**
     * Get- ,
     * @param req <B> </B>
     * @param res <B> </B>
     */
    public void doGet(HttpServletRequest req, HttpServletResponse res)
    {
        try
        {
            ////////////
            int ids=Integer.valueOf(req.getParameter("id"));
            if (ids<=0 || ids>1000000) System.exit(0);
            String id =String.valueOf(ids);
            String sid=System.getenv("SID_ORA");
            String host_ora=System.getenv("HOST_ORA");
            String port_ora=System.getenv("PORT_ORA");

```

```

int port=Integer.valueOf(port_ora);
////////////////////////////////////
ServletOutputStream out = res.getOutputStream();
res.setContentType("image/jpeg");
BLOB blobs=null;
SetConnection(ServConnection(LOGIN,PASSWORD,sid,host_ora,port_ora));
Statement st = GetConnection().createStatement();
ResultSet rset = st.executeQuery("SELECT blobs FROM "+OwnerTable+
                                ".TABLE_IMAGE WHERE ID="+id);

while (rset.next())
{
    blobs = (BLOB)rset.getObject(1);
}
long size_blob=blobs.length();
InputStream is = blobs.getBinaryStream();
byte[] buf = new byte[(int)size_blob];
is.read(buf);
for (int i=0; i<size_blob;i++)
    out.write(buf, i, 1); //
}
catch(SQLException e){System.out.println(e.getMessage());}
catch(IOException e){System.out.println(e.getMessage());}
catch(Exception e){System.out.println(e.getMessage());}
}
}

```

## 1.4.2 ShowImage.java

```

////////////////////////////////03.02.2007          1////////////////////////////////
import java.applet.*;
import java.awt.*;
import java.net.*;
/**
 *
 *
 * x
 *
 * CodeBase
 */
public class ShowImage extends Applet
{
    private Image image;
    private String AppletHost="";
    private int x;
    private int y;
    private boolean flag;
    //////////////////////////////////////
    public void init()
    {
        URL url=null;
        String AppletHost=String.valueOf(this.getCodeBase());
        try
        {
            url= new URL(AppletHost+"ImageServlet?id="+this.getParameter("id"));
        }
        catch(MalformedURLException e){}
        if (url!=null) image = this.getImage(url);
        if (image!=null)
        {
            try
            {
                x=Integer.valueOf(this.getParameter("x"));
                y=Integer.valueOf(this.getParameter("y"));
                flag=true;
            }
            catch(Exception e){flag=false;}
        }
    }
    //////////////////////////////////////
    public void paint(Graphics g)
    {
        if (flag)
            g.drawImage(image,x,y,this);
    }
}

```