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import java.sql.*;
import java.io.*;
import java.util.*;

public class phBean {

    private int      dcnr = 0;           // Document number

    private String   dcnm = "no-dc";    // Document name

    private int      defaultLgnr = 0;   // Documents default language number

    private String   defaultLgnm = "no-lg"; // Documents default language name

    private int      lgnr = 0;          // Desired language number.
                                        // If no such language then
                                        // default language number

    private String   lgnm = "no-lg";    // Language name of
                                        // the language lgnr

    private String[] phtxs;             // The texts of the document
                                        // in lgnr-language.
                                        // If some text is missing
                                        // then that text segment
                                        // in the default language

    private int      phTotal = 0;       // Number of text segments in
                                        // the document written in the
                                        // lgnr-language.

    private int      phsq = 0;          // position to next phtx-output

    private String   phtx = "no-phtx";  // Last phtx-output

    private ResultSet recs;             // Container for the results
                                        // of a SQL-query

    private int      sqlErr = 0;

    //-----//
    // Get the the information about the required document //
    // from the database and store it into private variables. //
    //-----//

    public void setTxt (int inDcnr, int inLgnr){

        dcnr = inDcnr;

        try{
            // Load the Oracle JDBC driver
            DriverManager.registerDriver(new oracle.jdbc.driver.OracleDriver());

            // Connect to the database
            // You must put a database name after the @ sign in the connection URL.
            // You can use either the fully specified SQL*net syntax or a short cut
            // syntax as <host>:<port>:<sid>. The example uses the short cut syntax.
            Connection conn =
                DriverManager.getConnection(
                    "jdbc:oracle:thin:@localhost:1521:XXX", // @IP:listener-port:databasename
                    "abc", // user-ID
                    "xyz" // password
                );

            // Create Statement object
            Statement stmt = conn.createStatement();

            // Set
            // documents name:          dcnm
            // documents default language number: defaultLgnr
            // documents default language name: defaultLgnm

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recs =
    stmt.executeQuery(
        "select dc.dcnm, dc.lgnr, lg.lgnm " +
        " from dc, lg " +
        " where dcnr = " + inDcnr + " and dc.lgnr = lg.lgnr"
    );
recs.next();
dcnm      = recs.getString(1);
defaultLgnr = recs.getInt(2);
defaultLgnm = recs.getString(3);

// Set the desired language number: lgnr.
// If the desired language does't exist in the language table
// then use the documents default language as the desired language
recs = stmt.executeQuery("select count(*) from lg where lgnr = " + inLgnr);
recs.next();
if(recs.getInt(1)>0)
    lgnr = inLgnr;
else
    lgnr = defaultLgnr;
;

// set lgnm
recs = stmt.executeQuery("select lgnm from lg where lgnr = " + lgnr);
recs.next();
lgnm = recs.getString(1);

// set phTotal
recs = stmt.executeQuery(
    "select count(*) from txd "
    + " where      dcnr = " + inDcnr +
    " and lgnr = " + lgnr
);
recs.next();
phTotal = recs.getInt(1);

// set phtxs
recs = stmt.executeQuery(
    "select txtx from txd "
    + " where      dcnr = " + inDcnr +
    " and lgnr = " + lgnr +
    " order by depo "
);
phtxs = new String[phTotal];
int i = 0;
while (recs.next()) {
    phtxs[i++] = recs.getString(1);
};

recs.close();
phsq = 0; // position to next phtx-output
phtx = "no-phtx"; // last phtx-output

//Close connection
conn.close();
}
catch (SQLException t){sqlErr=t.getErrorCode();};
}

//-----//
// Methods to retrieve information //
//-----//

public int getSqlErr(){
    return(sqlErr);
}

public int getDcnr(){
    return(dcnr);
}

public String getDcnm(){

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    return(dcnm);
}

public int getLgnr(){
    return(lgnr);
}

public int getDefaultLgnr(){
    return(defaultLgnr);
}

public String getLgnm(){
    return(lgnm);
}

public String getDefaultLgnm(){
    return(defaultLgnm);
}

public int getPhTotal(){
    return(phTotal);
}

public String getPtx(){
    return(phtx = phtxs[phsq++]);
}

}
```