

Application: view Droidscript databases

I created this simple application to learn and play Databases and Dialogs

- Identify the sqlite databases in the default folder used by Droidscript. (var target)
- List the tables
- List Columns of tables
- Dialog contents of columns
- And could also delete a database

On My local Version, I have also 3 icons in subdirectory Img/

The code is now both for icons or text... see the 3 tCol

And if you do not have a database, use the Sample, and verify the database : MyData.

enjoy. Sorry few French comments.

[AdminDB.js](#)

```
// thierry . 2015 04 15
// purpose:
// 1. view contents of databases from application droidscripts
// 2. test sqlite commandes
// verifier si base de donnee ouverte ou fermee
var opened=0;

// pour chercher les images: var target="/Sys/Img";
// pour chercher les databases sqlite de droidscripts
var
target="/data/data/com.smartphoneremote.androidscriptfree/databases/";

var selectedDb='';
var selectedTable='';
var selectedColumn='';

//Called when application is started.
function OnStart()
{
    //Loading other files into the app
    //app.ShowProgress("...Loading Scripts...");
    //app.LoadScript("Misc/Folderpicker.js");
    //app.HideProgress();

    //Create a layout with objects vertically centered.
    lay = app.CreateLayout( "linear", "VTop,FillXY" );

    // je cherchais aussi le langage
    var country= app.GetCountry() ;
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var countrycode= app.GetCountryCode() ;
var language= app.GetLanguage() ;
var languagecode= app.GetLanguageCode() ;

// affiche mon titre
titre = app.CreateText( "Yep Database View", 1 );
titre.SetTextSize(20);
titre.SetTextColor( "#8855ff" );
titre.SetTextShadow( 10, 5,10, "#ff88ff" );
titre.SetOnTouchUp(about);
titre.SetOnTouchDown(longabout);
lay.AddChild( titre );

lh0=app.CreateLayout("linear","horizontal");
lh1=app.CreateLayout("linear","horizontal");
lh2=app.CreateLayout("linear","horizontal");
lh3=app.CreateLayout("linear","horizontal");
lay.AddChild( lh0 );
lay.AddChild( lh1 );
lay.AddChild( lh2 );
lay.AddChild( lh3 );
lh0.SetBackGradient( "#444444", "#888888" );
lh1.SetBackGradient( "#888888", "#444444" );

remindDb=app.CreateText("Db:",0.33);
lh0.AddChild(remindDb);
remindTable=app.CreateText("T:",0.33);
lh0.AddChild(remindTable);
remindColumn=app.CreateText("C:",0.33);
lh0.AddChild(remindColumn);
var colorTitle="#77BBFF";
remindDb.SetTextColor( colorTitle );
remindTable.SetTextColor( colorTitle );
remindColumn.SetTextColor( colorTitle );

// titles 3 columns, text or image if found
colorTitle="#0033dd";
if (app.FileExists( "Img/database.png")){
    tColGauche= app.CreateImage( "Img/database.png",0.07);
    tColGauche.SetMargins( 0.1,0.003,0,0.004 );
} else {
    tColGauche=app.CreateText("db files",0.33);
    tColGauche.SetTextColor( colorTitle );
}
lh1.AddChild(tColGauche);
tColGauche.SetOnTouch( btnD_OnTouch );

if (app.FileExists( "Img/table.png")){
    tColCentre=app.CreateImage( "Img/table.png",0.07);
    tColCentre.SetMargins( 0.29,0.003,0.29,0.004 );
} else {

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    tColCentre=app.CreateText("tables",0.33);
    tColCentre.SetTextColor( colorTitle );
}
lh1.AddChild(tColCentre);
tColCentre.SetOnTouch( btnT_OnTouch );

if (app.FileExists( "Img/column.png")){
    tColDroite=app.CreateImage("Img/column.png",0.07);
    tColDroite.SetMargins( 0,0.003,0.1,0.004 );
} else {
    tColDroite=app.CreateText("column",0.33);
    tColDroite.SetTextColor( colorTitle );
}
lh1.AddChild(tColDroite);
tColDroite.SetOnTouch( btnF_OnTouch );

// faire des listes
lstLeft = app.CreateList( "", 0.7, 0.6 );
loadLeftList();
lh2.AddChild( lstLeft );
lstLeft.SetOnTouch( lstLeft_OnTouch );
lstLeft.SetOnLongTouch( lstLeft_OnLongTouch );

lstCentre = app.CreateList( "", 0.15, 0.6 );
lh2.AddChild( lstCentre );
lstCentre.SetOnTouch( lstCentre_OnTouch );

lstRight= app.CreateList( "", 0.15, 0.6 );
lh2.AddChild( lstRight );
lstRight.SetOnTouch( lstRight_OnTouch );
lstRight.SetOnLongTouch( lstRight_OnLongTouch );

//Create buttons width columns.
btnD = app.CreateButton( "Db", 0.3 ,-1,"alumn");
lh3.AddChild( btnD );
btnD.SetOnTouch( btnD_OnTouch );
btnT = app.CreateButton( "Table", 0.3 ,-1,"alumn");
lh3.AddChild( btnT );
btnT.SetOnTouch( btnT_OnTouch );
btnF = app.CreateButton( "Column", 0.3 ,-1,"alumn");
lh3.AddChild( btnF );
btnF.SetOnTouch( btnF_OnTouch );

//Add layout to app.
app.AddLayout( lay );
}

function about() { app.ShowPopup( target );}
function longabout() { app.ShowPopup( "Thierry 2015 04 15."

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bis40@free.fr" );}

function loadLeftList() {
    var F = app.ListFolder( target );
    for (var i in F ) {
        var text=F[i];var rien;
        if( text.indexOf("journal") >-1) rien++
        else lstLeft.AddItem( text );
    }
}

//Called when user touches our button
function btnD_OnTouch(){resizeListes(0.8,0.1,0.1);}
function btnT_OnTouch(){resizeListes(0.1,0.8,0.1);}
function btnF_OnTouch(){resizeListes(0.1,0.1,0.8);}
function resizeListes(a,b,c){
    lstLeft.SetSize(a);
    lstCentre.SetSize(b);
    lstRight.SetSize(c);
}

function emptyListSlow(list) {
    // pas certain des separateurs: virgule ou CR ou autre?
    var itemString=list.GetList(",");
    var itemArray=itemString.split(",");
    for (var i in itemArray ) {
        list.RemoveItem(itemArray[i] );
    }
    var itemString=list.GetList("\n");
    var itemArray=itemString.split("\n");
    for (var i in itemArray ) {
        list.RemoveItem(itemArray[i] );
    }
}
function emptyList(list) {
    // I learnt this is possible
    list.SetList(""); ;
}

function lstLeft_OnTouch( database ){
    if (opened) { db.Close(); }
    selectedDb = database ;
    db=app.OpenDatabase( database );
    opened=1;
    emptyList(lstCentre);
    emptyList( lstRight );
    remindDb.SetText( database );
    resizeListes(0.15,0.7,0.15);
    db.ExecuteSql("SELECT * FROM sqlite_master where type='table'
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" , [], OnFoundTables );
}

function OnFoundTables(results)
{
    var len = results.rows.length;
    for(var i = 0; i < len; i++ )
    {
        var item = results.rows.item(i) ;
        lstCentre.AddItem(item.tbl_name);
    }
}

function lstLeft_OnLongTouch( item )
{
    //Create dialog window.
    dlgTxt=app.CreateDialog("confirm delete database?");
    var txtSize = 12 ;
    //Create a layout for dialog gui
    layDlg = app.CreateLayout( "linear", "vertical,fillxy,left" );
    //layDlg.SetPadding( 0.02, 0, 0.02, 0.02 );
    dlgTxt.AddLayout( layDlg );
    descItem=app.CreateText( item, 1, 0.06);
    layDlg.AddChild(descItem);
    descItem.SetTextSize( txtSize );
    //Create btns
    btnYDlg = app.CreateButton( "delete "+item, 1, 0.06 );
    btnNDlg = app.CreateButton( "no", 1,0.1);

    btnYDlg.SetTextColor( "#ff2222" );
    btnNDlg.SetTextColor( "#22FF22" );
    btnYDlg.SetTextSize( txtSize );
    btnNDlg.SetTextSize( txtSize );

    btnYDlg.SetOnTouch( btnY_OnTouch );
    btnNDlg.SetOnTouch( btnN_OnTouch );
    layDlg.AddChild( btnYDlg );
    layDlg.AddChild( btnNDlg );
    //Show dialog. }
    dlgTxt.Show();
}

function btnY_OnTouch(item) {
    dlgTxt.Hide();
    var database=descItem.GetText();
    //app.ShowPopup( "ok faut effacer " + database );
    db = app.OpenDatabase( database );
    db.Delete();
    //dlgTxt.Dismiss();
}
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    emptyList(lstLeft);
    loadLeftList();
}
function btnN_OnTouch() {
    dlgTxt.Hide();
}

function lstCentre_OnTouch( table )
{
    emptyList( lstRight );
    selectedTable = table ;
    remindTable.SetText(table);
    //app.ShowPopup( "ItemCentre = " + table, "Short" );
    db.ExecuteSql("SELECT sql FROM sqlite_master where type='table' and
tbl_name='"+table+"'",[], OnFoundColumns );
    resizeListes(0.15,0.15,0.7);
}

function OnFoundColumns01(results)
{
    var len = results.rows.length;
    for(var i = 0; i < len; i++ )
    {
        var item = results.rows.item(i) ;
        lstRight.AddItem(JSON.stringify(item,null,3));
    }
}

function OnFoundColumns(results)
{
    var objet = results.rows.item(0) ;
    //emptyList( lstRight );
    var arraytext= parseSqliteMasterSql( objet['sql']);
    for(var column in arraytext )
    {
        lstRight.AddItem( arraytext[column] );
    }
}

function parseSqliteMasterSql(val) {
    var arrayOne=val.split('(');
    var arrayTwo=arrayOne[1].split(',');
    var last=arrayTwo.pop();
    var clean = last.replace('"', "");
    arrayTwo.push( clean );
    return arrayTwo;
}

function parseSqliteMasterSql02(val) {
    var arrayOne=val.split("\W");
    var toRemove=arrayOne.shift();

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    return arrayOne;
}

function lstRight_OnLongTouch(column){
    var array=column.split(" ");
    selectedColumn = array[0] ;
    remindColumn.SetText(selectedColumn);
    //app.ShowPopup(selectedTable + " _ " + selectedColumn , "Short" );
    db.ExecuteSql("SELECT count(DISTINCT "+ selectedColumn + " ) FROM
    "+selectedTable,[], OnFoundRecord );
}
function OnFoundRecord(q) {
    var len = q.rows.length;
    var output='L='+len+" ";
    for(var i = 0; i < len; i++ )
    {
        var item = q.rows.item(i) ;
        //lstRight.AddItem(JSON.stringify(item,null,3));
        output+= JSON.stringify(item,null,3);
    }
    app.ShowPopup( output, "long");
}

function lstRight_OnTouch(column){
    var array=column.split(" ");
    selectedColumn = array[0] ;
    //app.ShowPopup( JSON.stringify(selectedColumn,null,3) );
    db.ExecuteSql("SELECT "+ selectedColumn + " FROM "+selectedTable,[],
    OnFoundRecord02 );
}
function OnFoundRecord02(results) {
    //Create dialog window.
    dlgContent=app.CreateDialog("Content from "+ selectedDb+' '+
    selectedTable+ ' ' +selectedColumn );
    var txtSize = 10 ;
    //Create a layout for dialog gui
    layDlgContent = app.CreateLayout( "linear", "vertical,fillxy,left" );
    dlgContent.AddLayout( layDlgContent );
    lstDlg = app.CreateList( '', 0.8, 0.3 );
    lstDlg.SetTextSize( txtSize );
    layDlgContent.AddChild( lstDlg );
    btnOkvu = app.CreateButton( "ok ", 1 );
    layDlgContent.AddChild( btnOkvu );
    btnOkvu.SetOnTouch( closeDialog02 );

    var len = results.rows.length;
    //app.ShowPopup( JSON.stringify(results,null,3) );
    var s = "";
    for(var i = 0; i < len; i++ )
    {
        var item = results.rows.item(i)

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//s += JSON.stringify( item ) + "\n";
lstDlg.AddItem( JSON.stringify( item ) ) ;
}
// app.ShowPopup( s );
dlgContent.Show();
}
function closeDialog02(){dlgContent.Hide()}
```

enjoyed? — [thierry DERICK](#) 2015/04/17 00:40

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Last update: **2015/04/23 12:59**

