

Sample File Picker

This is a simple file choosing dialog which is offered for use on DroidScript v1.12

When the next version of DroidScript is released, I will tidy it up a bit and add a filter for file extensions.

Thanks to Tony Jones for testing it on DroidScript v1.12 and confirming that it works.

See also [Sample Folder Picker](#)

The code

[filepicker.js](#)

```
//Called when application is started
function onStart(){
    //Create a layout with objects vertically centered.
    lay = app.CreateLayout( "linear", "Vertical,FillXY" );

    //Create a text label and add it to layout.
    btn = app.CreateButton( "FilePicker demo" );
    lay.AddChild( btn );
    btn.SetOnTouch(btn_OnTouch);
    pick = new FilePicker(mycallback);
    // don't show hidden files
    pick.SetHideFiles(true);
    //Add layout to app.
    app.AddLayout( lay );
}

function btn_OnTouch(){
    pick.SetFolder("/sdcard");
    pick.Show();
}

function mycallback(fullpath){
    app.Alert("user chose " + fullpath)
}

function FilePicker(Callback,basePath){
    var self = this;
    this.basePath = basePath || "/sdcard";
    this.callback = Callback || function(){};
    this.FolderPath = this.basePath;
    this.hideHiddenFiles = false;
}
```

```
this.dlg = app.CreateDialog(this.basePath);
this.lay = app.CreateLayout( "linear", "horizontal,fillxy,left" );
this.lstFolds = app.CreateList("blank" , 0.35, 0.7 );
this.lstFolds.parent = self;
this.lstFolds.SetOnTouch(FilePicker_NewFolder);
this.lay.AddChild(this.lstFolds);
this.lstFiles = app.CreateList("blank" , 0.35, 0.7 );
this.lstFiles.parent = self;
this.lstFiles.SetOnTouch(FilePicker_NewFile);
this.lay.AddChild(this.lstFiles);
this.dlg.AddLayout(this.lay);

this.Show = function(){
    self.dlg.Show();
}
this.SetHideFiles=function(val){
    if(val == undefined) val = true;
    self.hideHiddenFiles = val;
}
this.Hide = function(){
    self.dlg.Hide();
}
this.SetFilter = function(filter){
    self.fileFilter = filter;
}
this.GetFolder = function(){
    return self.FolderPath;
}
this.SetFolder = function(folderPath){
    self.FolderPath = folderPath;
    self.dlg.SetTitle(folderPath);
    app.ShowProgress( "Loading..." );
    var lst = app.ListFolder(folderPath);
    lst.sort(function(x,y){return (x.toLowerCase() > y.toLowerCase())?1
:-1});
    var ths = lst.shift();
    self.lstFolds.SetList("");
    if( self.FolderPath != self.basePath )
        self.lstFolds.AddItem("..",null,"folder");
    self.lstFiles.SetList("");
    while (undefined != ths) {
        if ((! self.hideHiddenFiles) || (ths.indexOf(".") != 0)){
            var pth = folderPath + "/" + ths;
            if (app.IsFolder(pth))
                self.lstFolds.AddItem(ths,null,"folder")
            else
                self.lstFiles.AddItem(ths)
        }
        ths = lst.shift();
    }
}
```

```
    app.HideProgress();
  }
} //function FilePicker()

function FilePicker_NewFolder(fil){
  var par = this.parent;
  var pth = par.GetFolder();
  if (fil != "..") {
    pth += "/" + fil
  }
  else{
    if( pth == par.basePath || pth == "/" ){
      par.Hide()
      return;
    }
    var tst = pth.split("/");
    tmp = tst.pop();
    pth = (tst.join("/"));
  }

  par.SetFolder(pth);
} //function FilePicker_NewFolder()

function FilePicker_NewFile(fil){
  var par = this.parent;
  var pth = par.GetFolder();
  par.Hide();
  par.callback(pth += "/" + fil);
} //function FilePicker_NewFile()
```

How to use it

You need three function from the code above

```
function FilePicker
```

```
function FilePicker_NewFolder
```

```
function FilePicker_NewFile
```

In your main code, you need something like

```
pick = new FilePicker(myCallBack);
pick.SetFolder("/sdcard");
pick.Show();
```

where myCallBack is a function which is called when a file is chosen. It is defined like

```
function myCallBack(fullpath){  
    app.ShowPopup("user chose " + fullpath)  
}
```

and it passes you the full path of the file that is chosen.

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<https://wiki.droidsript.me.uk/> - **DroidScript wiki**

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