

MarkLogic XQuery MultiUpload

Some jQuery and XQuery code to load content into a MarkLogic database:

```
'form#uploadForm': function(idx, elm) {
    var form = $(elm)
    form.submit(function(evt) {
        evt.preventDefault();
        rn_util.log('SUBMITTED: ', form);

        $.ajax({
            url: 'spike/uploadController.xqy',
            type: 'POST',
            data: new FormData(elm),
            cache: false,
            contentType: false,
            processData: false,
            beforeSend: function(jqXHR, settings) {
                rn_util.log('beforeSend', jqXHR.upload);
            },
            success: function(data, textStatus, jqXHR) {
                rn_util.log('POST COMPLETED: ', textStatus, ' ', jqXHR);
            }
        });
    });
}
```

```
xquery version "1.0-ml";

declare namespace zip = "xdmp:zip";
declare namespace aib = "co.wlv.xml.aib";

xdmp:log("GREETINGS:UPLOAD"),

for $headerName as xs:string in xdmp:get-request-header-names()
return
    xdmp:log(concat("HEADERNAME: ", $headerName, " = ", xdmp:get-request-header($headerName

for $fieldName as xs:string in xdmp:get-request-field-names()
return
    xdmp:log(concat("FIELDNAME: ", $fieldName)),

for $inputFile as xs:string in xdmp:get-request-field-filename("inputFiles")
return xdmp:log(concat("FILENAME: ", $inputFile)),

let $fileNames as xs:string* := xdmp:get-request-field-filename("inputFiles"),
    $inventory as element(aib:inventory) := doc("/packages/inventory.xml")/aib:inventory
for $inputFile as item() at $i in xdmp:get-request-field("inputFiles")
let $fileName as xs:string := $fileNames[$i],
    $packageUri as xs:anyURI := xs:anyURI(concat("/packages/package-", xdmp:random())),
    $zipManifest as node() := xdmp:zip-manifest($inputFile)
return (
    xdmp:log(concat("FILE: ", $fileName, ";&#10;", xdmp:quote($zipManifest), "&#10;COUNT: "
    xdmp:node-insert-child($inventory, element {QName("co.wlv.xml.aib", "package")} {
        attribute uri {$packageUri},
        attribute name {$fileName},
        attribute added {current-dateTime()},
        for $part as element(zip:part) in $zipManifest/zip:part
        let $file as node()+ := xdmp:zip-get($inputFile, string($part)),
            $XXX := xdmp:log(xs:anyURI(concat($packageUri, "/", replace(string($part), "\\\"
            $fileUri as xs:anyURI := xs:anyURI(concat($packageUri, "/", replace(string($par
        return (
            xdmp:log(concat("PART: ", string($part), " ; COUNT: ", count($file))),
            xdmp:document-insert($fileUri, $file[1]),
            element {QName("co.wlv.xml.aib", "file")} {
                attribute uri {$fileUri},
                attribute size {$part/@uncompressed-size},
```

```
    $part/@last-modified  
  }  
)  
})  
)
```

Published by Wyatt

Sat Oct 26 14:20:00 EDT 2013

<http://blog.wylovan.com/pebble/wyatt/2013/10/26/1382811600000.html>