Mobile XPage Controls

License: Apache License v2
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Author: Niklas Heidloff, Steve Castledine
Platform: Lotus Domino 8.5.1,
        Android 2.0 (Motorola Milestone),
        iPod Touch 3. generation, Apple Safari 4.0.4,
        Blackberry 9550 simulator
        [Firefox 3.6]
Version: 0.2.0

Description

This project contains these main parts:

1. View control to display N view entries. The next N view entries can be loaded manually when pressing the 'more' button. On webkit based browsers they are loaded automatically when the users scroll to the bottom of the page

2. Document control that displays a specific blog entry. Specific documents can be bookmarked

3. Simple transitions between the view page and the document page

4. Login control for mobile apps (using Lotus iNotes Ultralite)

Technically the main aspect that is demonstrated is the ability to use Ajax to do 1. view paging and 2. opening documents. No browser refresh is done. The sample also shows various other smaller things like a stylesheets that looks similar to native apps and how to hide the address bar.

The # is used in the URLs to to be able to Ajax and no browser refreshes but at the same time keep bookmarks. In order to keep browser navigation via back and forward the Dojo 1.4 class dojo.hash is used and pulled from http://o.aolcdn.com/dojo/1.4/dojo/hash.js.

For the view paging HTTP requests are done in this format: http://.../All?
ReadViewEntries&Start=5&Count=5&OutputFormat=JSON

In order to run the sample copy the NSF into your Notes data directory, open it in Designer, select the XPage 'm' and choose 'Design-Preview in Safari Apple'.
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Designer Extension to search entire Application from Ferry Kranenburg

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LotusScript to manipulate XPages and other file-based Elements

I've recently updated my collection of fancy LotusScript libraries (see here) with a new tool for reading the contents of file-based design elements, such as image resources, stylesheets, XPages and Composite Applications -- anything that has a $FileData item in the design note. This lets you, for instance, read the XML source out of an XPage, manipulate it, and put it back with changes. Because there's not yet a "descriptive" DXL notation for some of these design elements, the code contains logic to read the CD records in the binary data and extract out just the file data. Domino Designer plugins can access design element contents by using the Eclipse IFile interface, but there wasn't previously a way to do this in agents and client applications.

This release of the toolkit also includes an add-on version of the Script/Eclipse plugin.
OpenNTF.Org

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Domino Login Control for Mobile Apps
Login Control

Lotus Domino allows customizing the login page that is used for session based authentication. Here is an example:
IBM Lotus iNotes comes with an optimized login page for the iPhone and other webkit based browsers. The same core functionality can be used to build custom login pages for custom mobile apps.

This video describes the necessary setup steps:


There is also documentation ...


... and an article:

http://www.intranetjournal.com/articles/200807/ij_07_22_08a.html

**Step 1:** Create an IBM Lotus iNotes redirect application

Follow the step 1 in the video.

In the simplest case use fixed redirect type to your server, e.g. http://nheidloff-1.

In order to allow the password to be stored overwrite the default 'enable login options' and set it to 'true'.

Choose the 'ultra-light mode' and add your mobile devices, e.g. 'webkit'.

![Server Settings](image1)

![UI Setup](image2)

![Ultra-light/Mobile Settings](image3)

![Application Setup](image4)

Enable 'ultra-light mode' radio button?

Help

Mobile Device User Agent Keywords (All keywords should be lowercase)

- ipod
- iphone
- webkit
Step 2: Create a Domino web server configuration application that maps the Redirector to the web server

Follow the step 2 in the video.

As target form define 'OpenNTFWebkitLoginForm':

*Sign In* Form Mapping

**Site Information**

- Applies To: All Web Sites/Ente Server
- Comment: 

**Form Mapping**

- Target Database: redirect.nsf
- Target Form: OpenNTFWebkitLoginForm

Step 3: Edit the current server document and map the home URL to the redirector application

If you use Internet Sites you'll find the settings in your internet site documents:

**Web Site nheidloff**

Default Mapping Rules

<table>
<thead>
<tr>
<th>Home URL</th>
<th>/redirect.nsf?open</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTML directory</td>
<td>dominohtml</td>
</tr>
<tr>
<td>Icon directory</td>
<td>dominoicons</td>
</tr>
<tr>
<td>Icon URL path</td>
<td>/icons</td>
</tr>
<tr>
<td>CGI directory</td>
<td>dominoicgi-bin</td>
</tr>
<tr>
<td>CGI URL path</td>
<td>/cgi-bin</td>
</tr>
<tr>
<td>Java applet directory</td>
<td>dominojava</td>
</tr>
<tr>
<td>Java URL path</td>
<td>/domjava</td>
</tr>
<tr>
<td>JavaScript directory</td>
<td>dominojavascript</td>
</tr>
<tr>
<td>JavaScript path</td>
<td>/domjs</td>
</tr>
<tr>
<td>Default home page</td>
<td></td>
</tr>
</tbody>
</table>
Also make sure you have selected session based authentication:

<table>
<thead>
<tr>
<th>HTTP</th>
<th>Domino Web Engine</th>
<th>DIIOP</th>
<th>LDAP</th>
</tr>
</thead>
</table>

**HTTP Sessions**

- Session authentication: Single Server
- Idle session timeout: 30 minutes
- Force login on SSL: No
- Maximum active sessions: 1000

**Step 4:** Copy WebKit page with OpenNTF branding

Paste the one form and one subfrom from 'login.nsf' in this project's zip file into redirect.nsf.

OpenNTFWebkitLoginSubForm

OpenNTFWebkitLoginForm

You can modify these forms for your own branding.