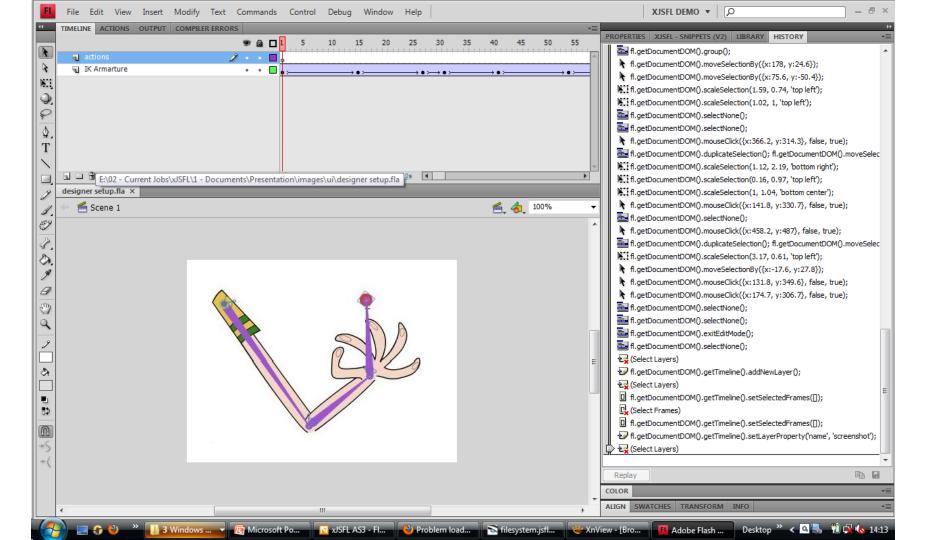
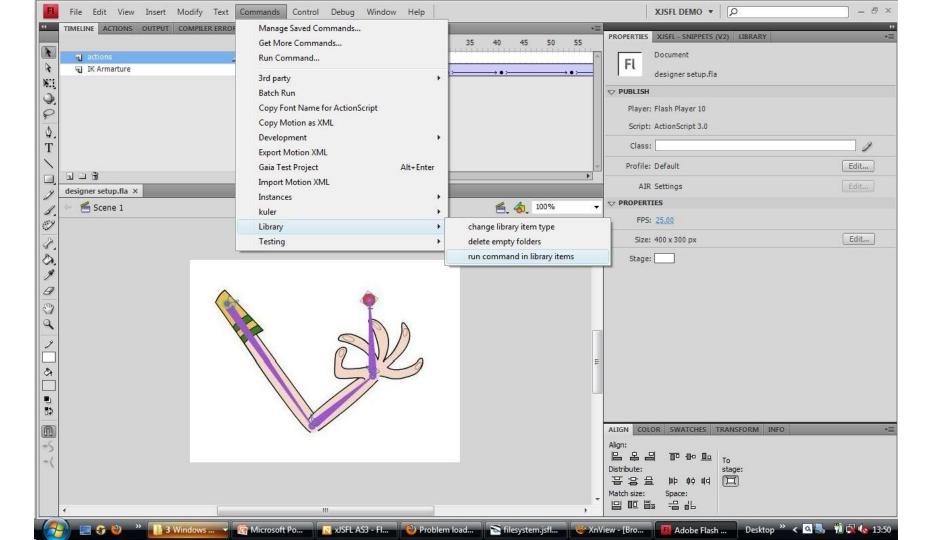


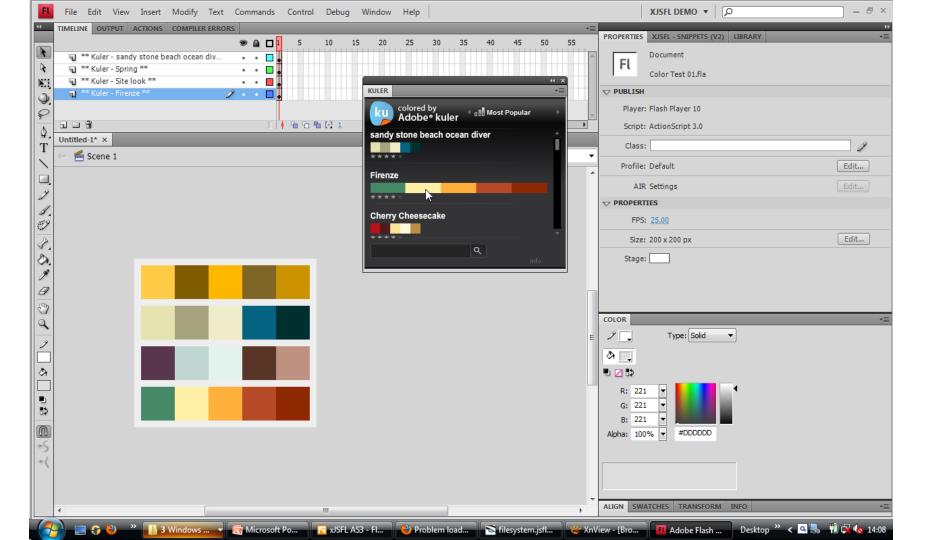
Developing tools for Flash with xJSIII

What is JSFL?









Why have you not heard of it?



fl.getDocumentDOM().getTimeline(). .layers[i].frames[f].property = blah



So, what is xJSEL?



xJSIII is a new programming framework written in JSFL & AS3 that makes it easy to write new tools for Flash





(syntax)



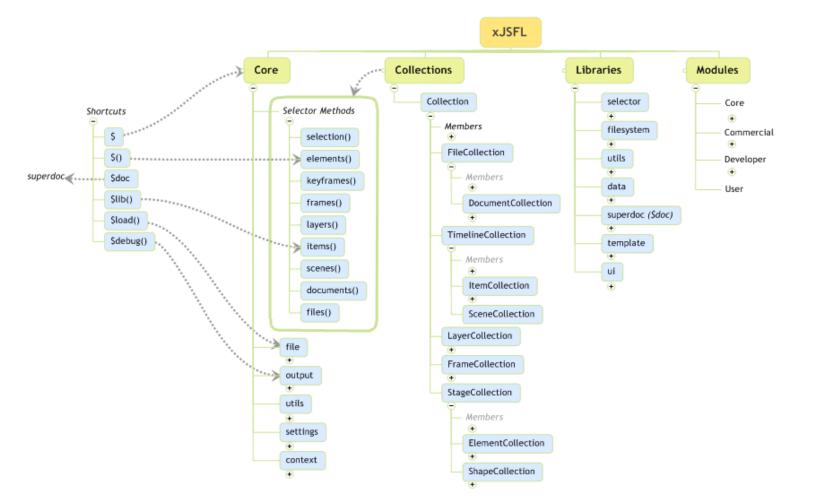
(file handling)



\$(':elements').do().cool().stuff('yay!');

No more fl.getDocumentDOM()!







- - - D la Console
 - Developer Tools
 - Narrator
 - D Inippets
 - - - data
 - 🗅 📗 jsfl
 - templates
 - - assets
 - 📗 data
 - 🗅 鷆 jsfl
 - templates



user













<table-of-contents> File IO

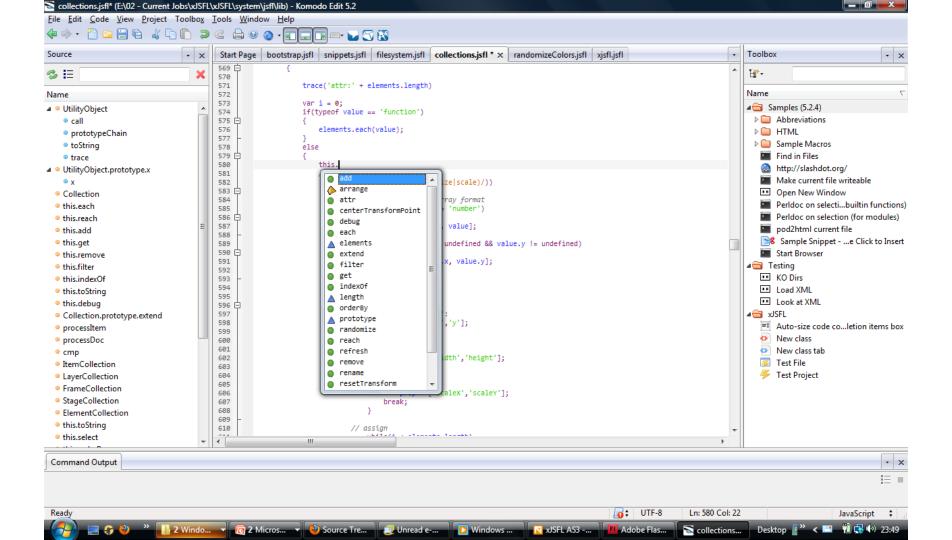
JSFL Communication

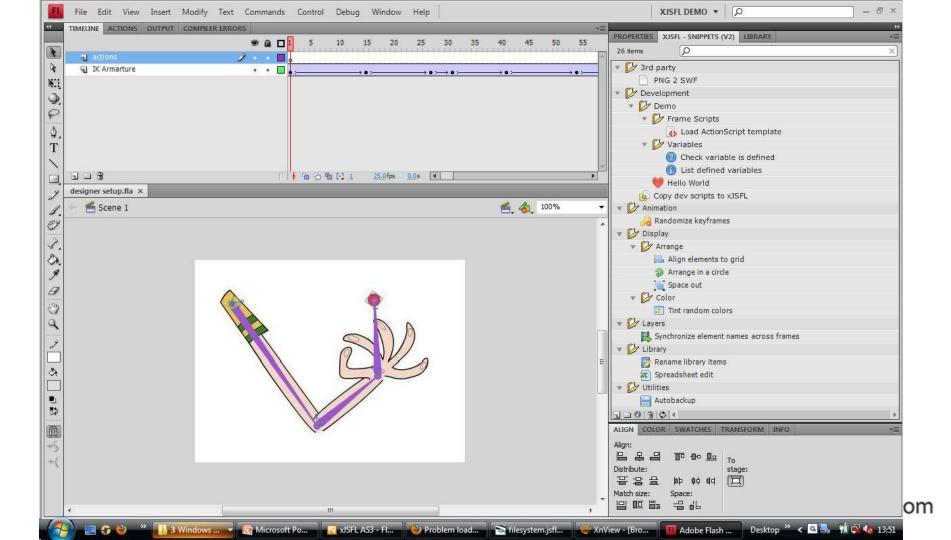
🖺 Application Logic

Visual Layout

🚐 Utilities







xJS highlights



Collections do the hard work so you don't have to



```
$lib(':bitmap').attr('smoothing', false);
$frames('1-50').randomize(1, 4, true);
$ ('text').breakApart().arrange('circle', true);
```



Files and folders are real objects



var str = new File('c:/some/file.jsfl').contents



var path = 'c:/some/file.jsfl';
var uri = Flfile.platformPathToURI();
 var str = FLfile.read(uri);



Code is almost magically small



```
var n = '\t';
function list(e) {
    trace (n + \frac{1}{2} + e.name);
    if (e instanceof Folder) {
         n += '\t';
         e.each (list);
         n = n.substr(1);
var f = new Folder('c:/temp');
list(f);
```



```
OUTPUT
     /scripts
         /3rd party
             /List Layers.as
             /PNG 2 SWF.jsfl
         /Development
             /Copy dev scripts to xJSFL.jsfl
             /copy script files.bat
             /Demo
                 /Frame Scripts
                     /Load ActionScript template.jsfl
                 /Hello World.jsfl
                 /Variables
                     /Check variable is defined.jsfl
                     /List defined variables.jsfl
         /Instances
             /change item type.jsfl
             /instance name from library item.jsfl
         /Library
             /change library item type.jsfl
             /delete empty folders.jsfl
             /run command in library items.jsfl
         /Testing
             /FLfile.jsfl
             /library.jsfl
             /Make test Sprites.jsfl
             /New Snippet.jsfl
             /New Test File.jsfl
             /Something Else
                 /test.jsfl
```



■ Lists ▼



That's you!

@FOTB Indented recursion in 99
chars! function I(e){ \$\$.output.hier(
e.name,i); if(e.isFolder) { i++;
e.each(I); i--} } i=0;I(new Folder
('c:/temp'))

half a minute ago via web





Errors and traces are actually helpful



```
OUTPUT
  - [Error] => [Object]
     message: File "jsfl/collections.jsfl" not found in search paths
     [stack] => Array
         [0] => Object
             code: ("jsfl/collections.jsfl")
             file: E:\02 - Current Jobs\xJSFL\xJSFL\system\xjsfl.jsfl
             line: 562
         [1] => Object
             code: ("collections",undefined,undefined)
             file: E:\02 - Current Jobs\xJSFL\xJSFL\system\xjsfl.jsfl
             line: 589
         [2] => Object
             code: ("collections, class")
             file: E:\02 - Current Jobs\xJSFL\xJSFL\system\xjsfl.jsfl
             line: 581
         [3] => Object
             code:
             file: E:\02 - Current Jobs\xJSFL\xJSFL\system\xjsfl.jsfl
             line: 939
     [attempted filepaths] => Array
         0: <xjsfl>/system/jsfl/collections.jsfl
```



```
OUTPUT
    Debug: Test
    Object =>
        a: 1
        b: "hello"
        c: Thu Sep 16 15:16:06 GMT+0100 2010
        [d] => Array
             0: 1
            1: 2
           [2] => Array
                0: null
                1: undefined
                2: true
                3: false
                4: <xml a="1"/>
                5: [object Sprite]
                6: [object URLLoader]
             3: 4
```



Supporting code lives in libraries



\$load('filesystem', 'utils', 'etc');



It is fully extensible



```
function someAwesomeFunction (takes, these, params)
   // take a bunch of objects
    // change their colours
    // add stuff from the library
   // transform some stuff
   // etc
```



ElementCollection.extend ({ someAwesomePlugin : someAwesomeFunction })





user overrides modules overrides system



\$().someAwesomePlugin(do, these, things);



So why use xJSEL?



Developers: write JSFL as easily as you write ActionScript Designers: awesome new tools to enhance your workflow



is currently under development and will launch in October 2010.

Sign up for a launch notification at www.xjsfl.com, follow progress on Twitter at oxjsfl.com, or if you're not too hungover, come talk to me face-to-face:)

