Cocktail

cross-platform haXe UIs

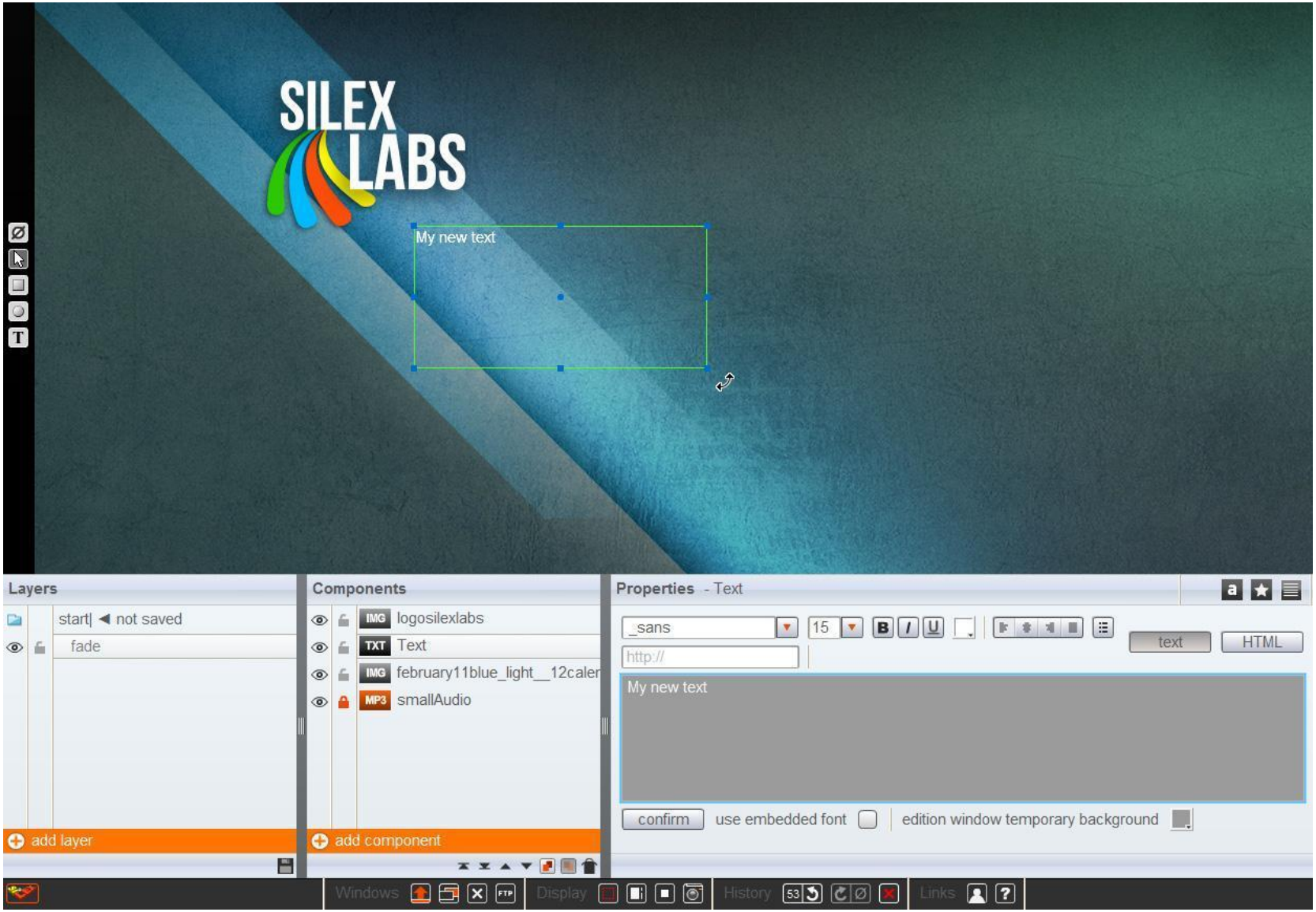
Alexandre Hoyau

Yannick Dominguez

intermedia
paris

SILEX

Online authoring tool

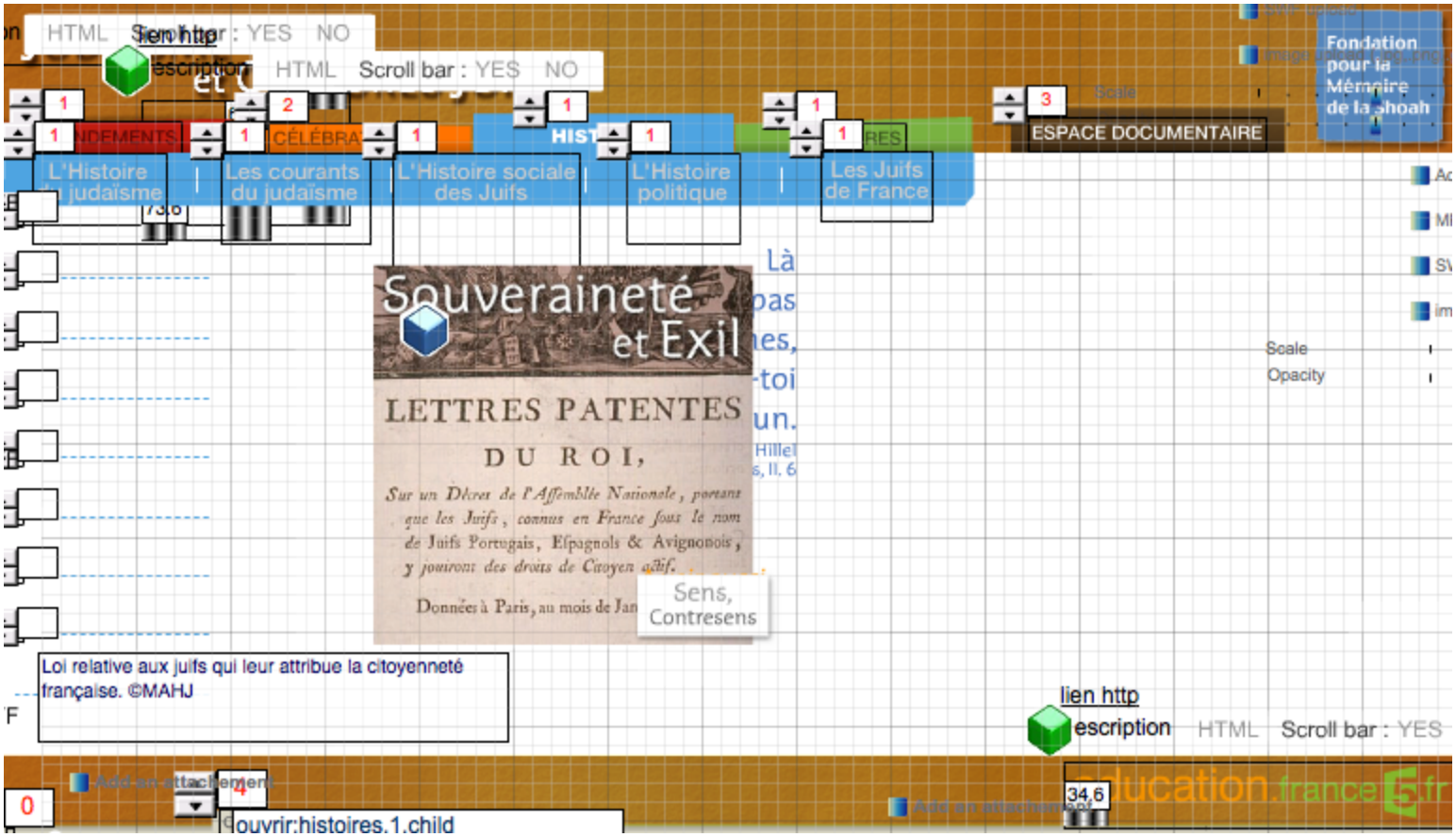


For designers

lowers entry barriers to web design

SILEX
LABS

Started 8 years ago



Silex v2

=

silex v1 + cross-platform

iOS
Phones & tablets
Windows phone
www

Desktop
www

Google TV
TVs
HbbTV

For designers

lowers entry barriers to multi-screen applications

HAXE

The gaps encountered

Lack of **cross-platform**

Layout

Lack of **cross-platform**

Layout
UIs

Lack of **cross-platform**

Layout

UIs

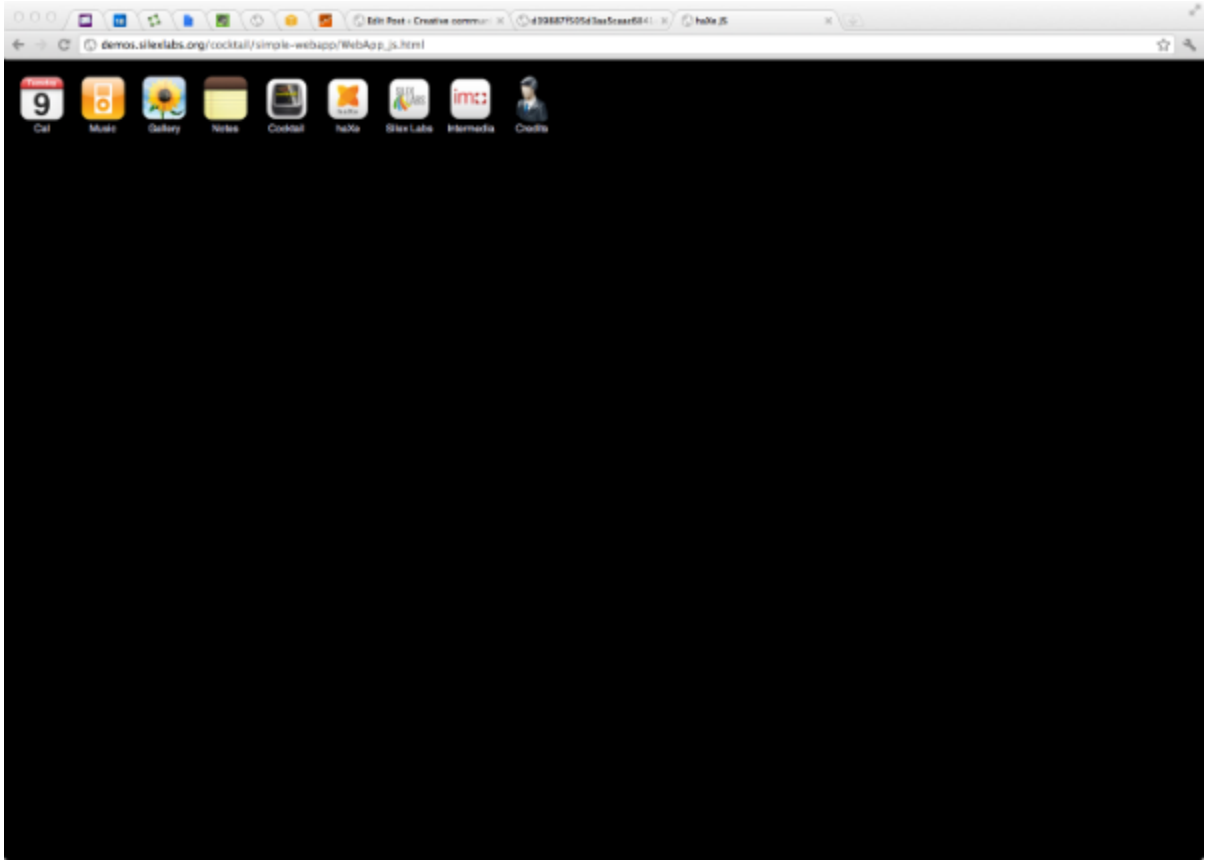
OS integration

cocktail

HTML / CSS rendering engine

written in haXe

Tuesday
9
Cal
Music
Gallery
Notes
Cocktail
haXe
Silex Labs
Intermedia
Credits


demos.silexlabs.org/cocktail/simple-webapp/WebApp_js.html
Cal
Music
Gallery
Notes
Cocktail
haXe
Silex Labs
Intermedia
Credits

BRAVIA
SONY

Uses haXe JS API

Why JS API ?

Why JS API ?

Designed for UI's

Why JS API ?

Designed for UI's

Widely used

Why JS API ?

Designed for UI's
Widely used
Standard

Workflow

Workflow

Design in HTML / CSS

Workflow

Design in HTML / CSS

Add interactivity with haXe JS

Workflow

Design in HTML / CSS
Add interactivity with haXe JS
Compile with haXe JS, haXe Flash and NME

Demo

Demo

HTML DOM & JavaScript

```
var title = Lib.document.createElement("h1");
title.appendChild(Lib.document.createTextNode("Hello Cocktail !"));
Lib.document.body.appendChild(title);
```

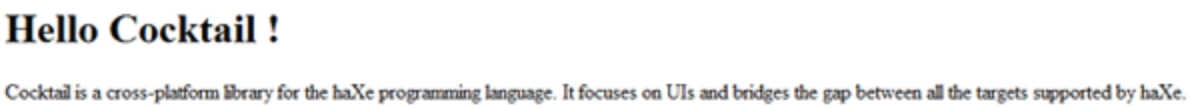
Hello Cocktail !

Demo

Demo

HTML & semantics

```
var paragraph = Lib.document.createElement( "p");
paragraph.appendChild( Lib.document.createTextNode( "Cocktail is a ...
Lib.document.body.appendChild(paragraph);
```



NME

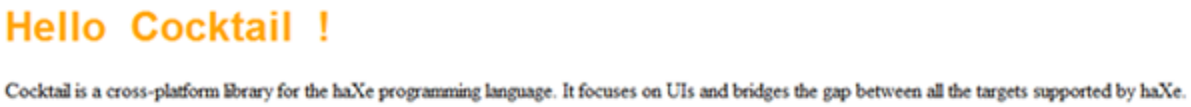
cocktail

Demo

Demo

CSS text

```
title.style.wordSpacing = "10px";
title.style.color = "orange";
title.style.fontFamily = "arial";
```



Demo

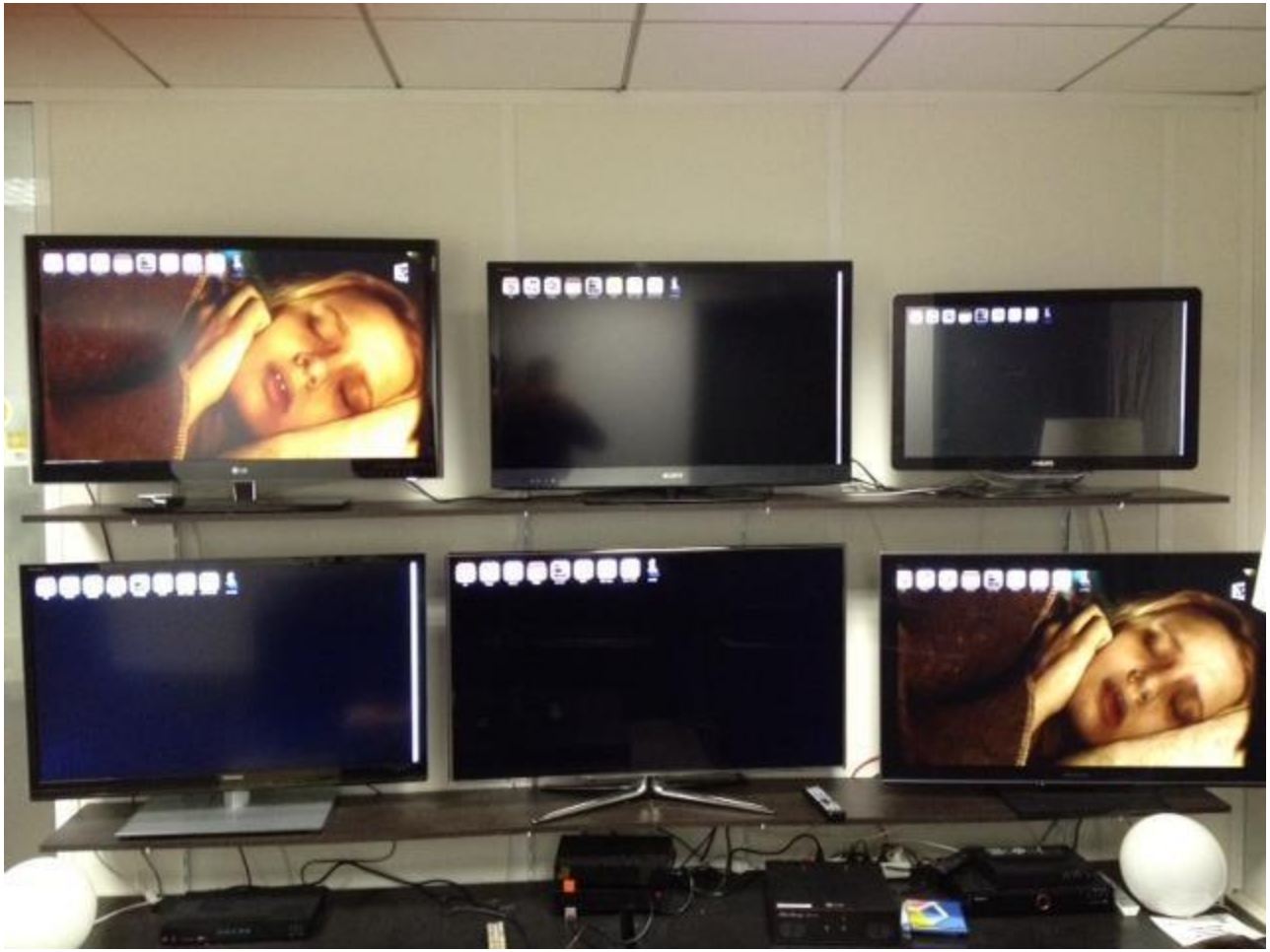
Demo

HTML4

```
var img = Lib.document.createElement( "img"));
img.src = "cocktail.jpg";
paragraph.appendChild(img);
```

Hello Cocktail !

Cocktail is a cross-platform library for the haXe programming language. It focuses on UIs and bridges the gap between all the targets supported by haXe.



NME

cocktail

CSS

layout & styles

Demo

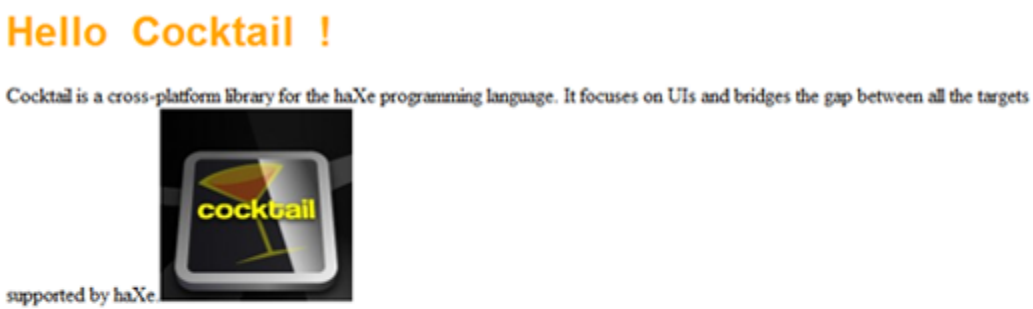
Demo

CSS layouts

```
var site =Lib.document.createElement( "div");
site.appendChild(title);
site.appendChild(paragraph);

site.style.width = "50%";
site.style.marginLeft = site.style.marginRight =  "auto";

Lib.document.body.appendChild(site);
```

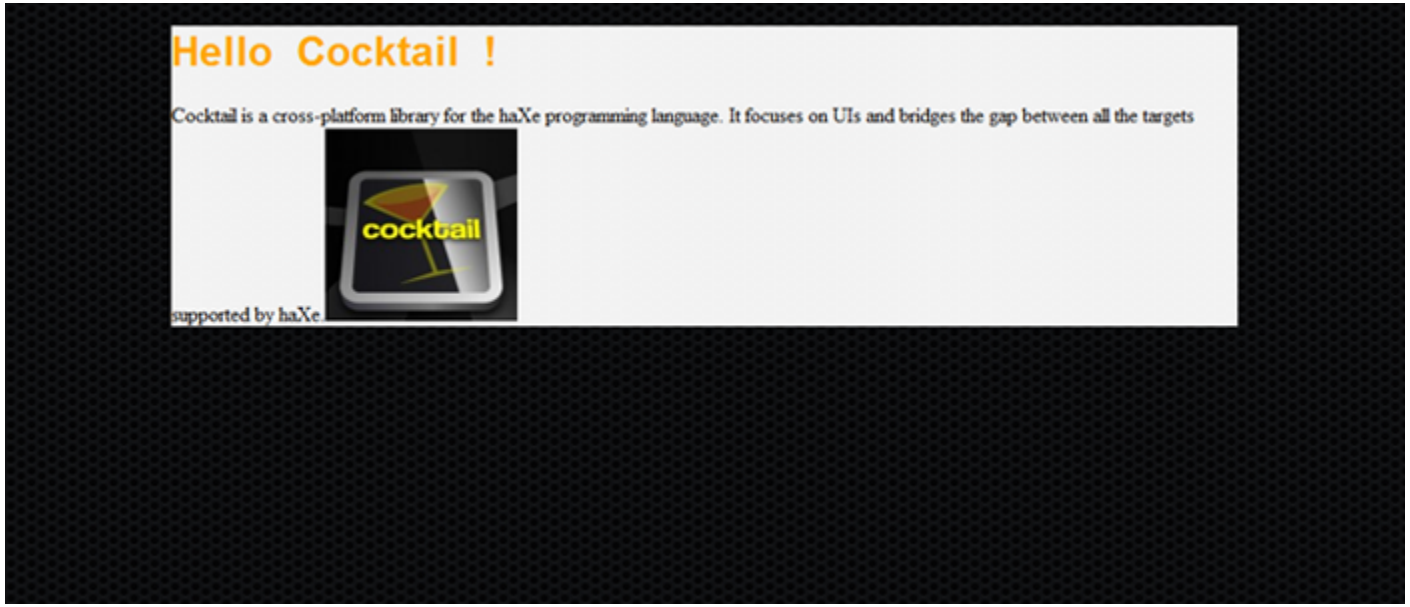


Demo

Demo

CSS backgrounds

```
site.style.backgroundColor = "rgba(255,255,255,0.5)";
Lib.document.body.style.backgroundImage = "url(bg.png)";
```



Flash API

JS API

Cocktail V2

Style manager

external CSS stylesheet

CSS selectors

UIs

HTML input tag
HTML form

OS integration

using HTML5 APIs

OS integration

notifications
geolocation
webcam...

Anything else?

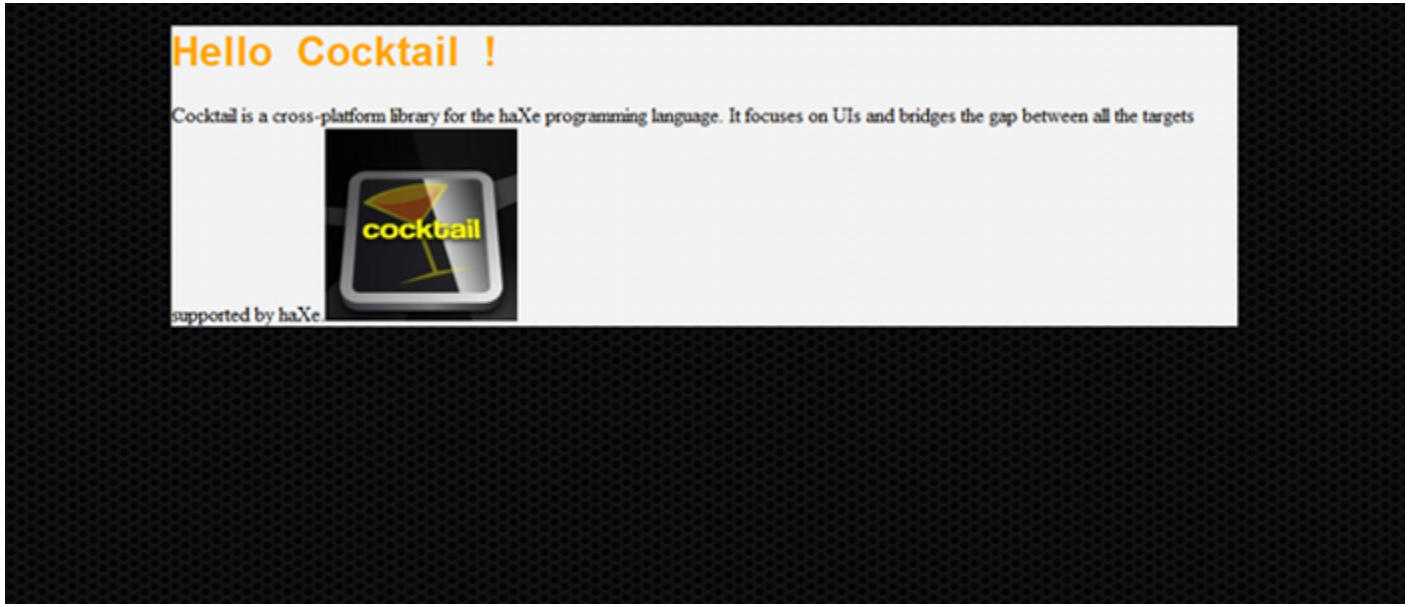
Markup language!

Demo

Demo

HXTML

```
Lib.document.body.innerHTML = "<div>...</div>";
var img = Lib.document.getElementById("pic");
img.onclick = function(e) {
Lib.document.body.style.backgroundImage = "url(bg.png)";}
```



Cocktail, for developers

HTML/CSS

cross-platform

native apps & web apps

Silex, for designers

HTML/CSS

cross-platform

native apps & web apps

Roadmap

Cocktail beta

less than 2 months

Cocktail Sunrise

3 to 6 months

Silex v2 beta

about 6 months

Source code

https://github.com/silexlabs/

Forums

http://www.silexlabs.org/labs/

Q & A

Source code

https://github.com/silexlabs/

Forums

http://www.silexlabs.org/labs/