

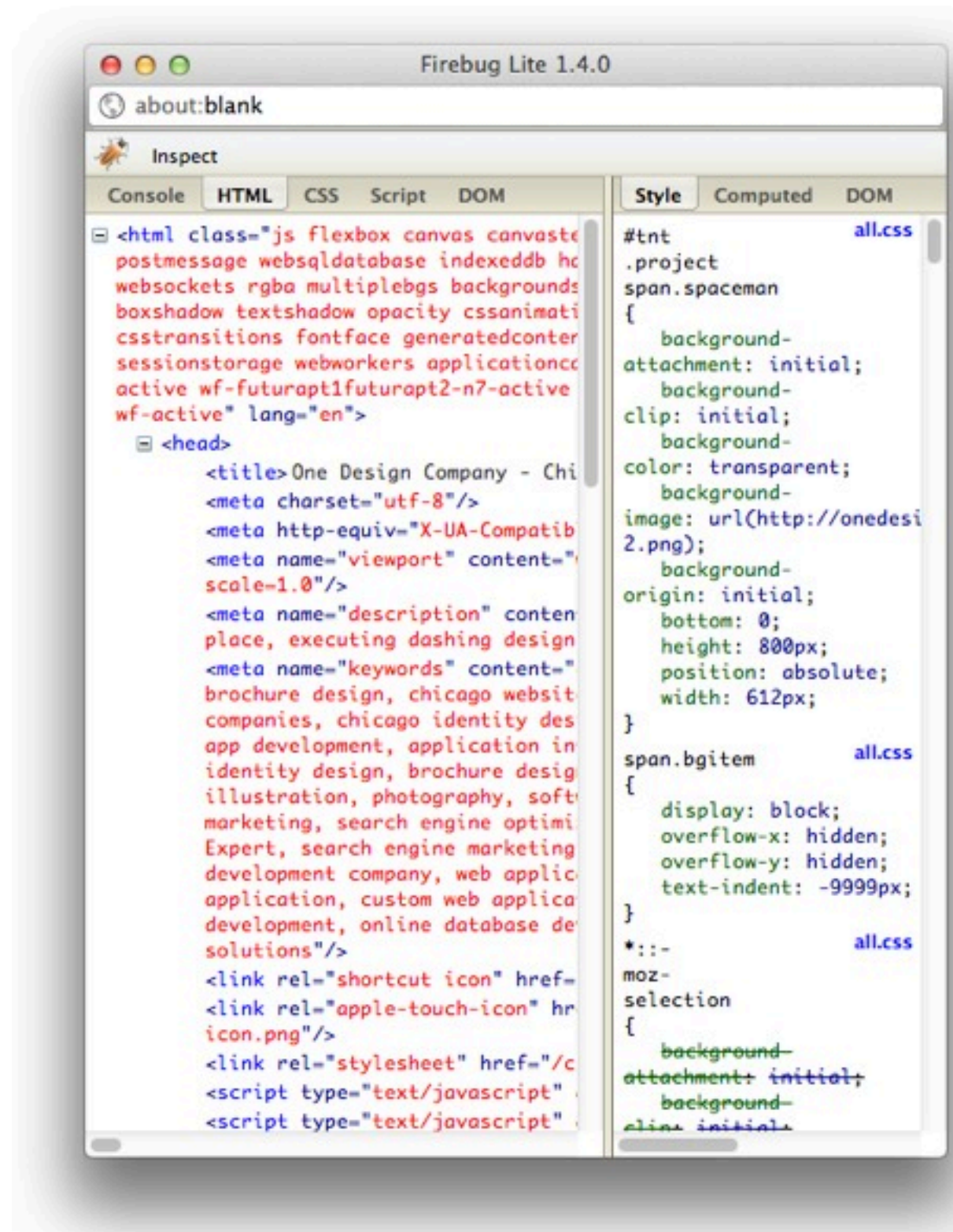
Mobile Debugging

Weinre, Adobe Shadow, Firebug l.i.t.e.
and others

Firebug l.i.t.e.

wī-nə-rē - "WEb INspector REmote"

- ❖ Provides debugging on iPad
(possible on iPhone and iPod - but a unusable)
NO support for android (haven't tried tablet)
- ❖ Allows for:
 - javascript console
 - css inspection / manipulation
 - Script inspection (no debug)
 - DOM viewer
- ❖ eX: <http://onedesigncompany.com>



Firebug l.i.t.e.

wī-nə-rē - "WEb INspector REmote"

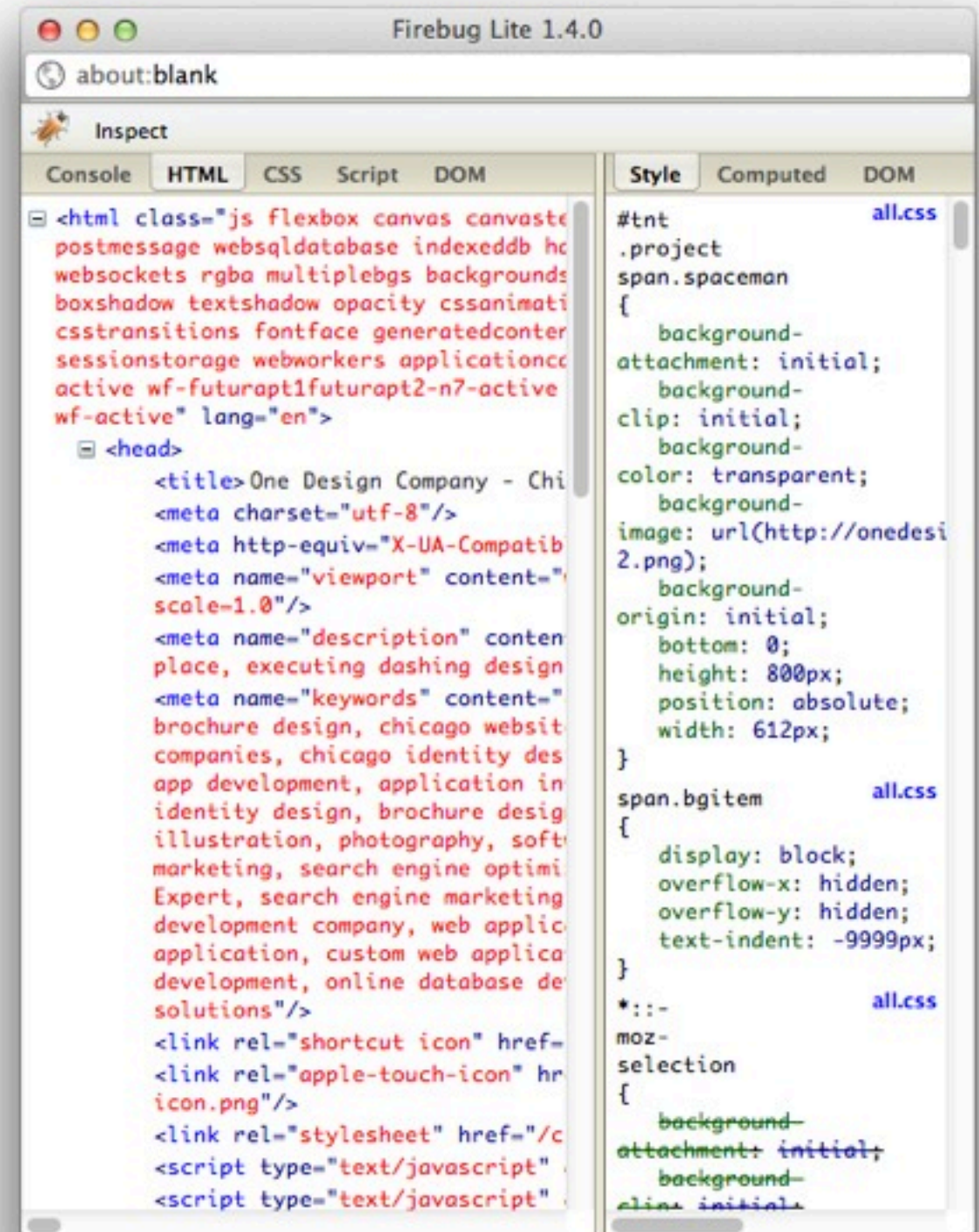
<http://getfirebug.com/firebuglite>

```
javascript:(function(F,i,r,e,b,u,g,L,I,T,E)
{if(F.getElementById(b))return;E=F[i
+'NS']&&F.documentElement.namespaceURI;E=E?
F[i+'NS'](E,'script'):F[i]('script');E[r]('id',b);E[r]('src',I
+g+T);E[r](b,u);(F[e]('head')[0]||F[e]('body')
[0]).appendChild(E);E=new%20Image;E[r]('src',I
+L);})
(document,'createElement','setAttribute','getElement
sByTagName','FirebugLite','4','firebug-
lite.js','releases/lite/latest/skin/xp/
sprite.png','https://
getfirebug.com/', '#startOpened');
```

Note: stable bookmarklet ... isn't always

Try Martin Kool's javascript instead

<http://bit.ly/u6pN4N>

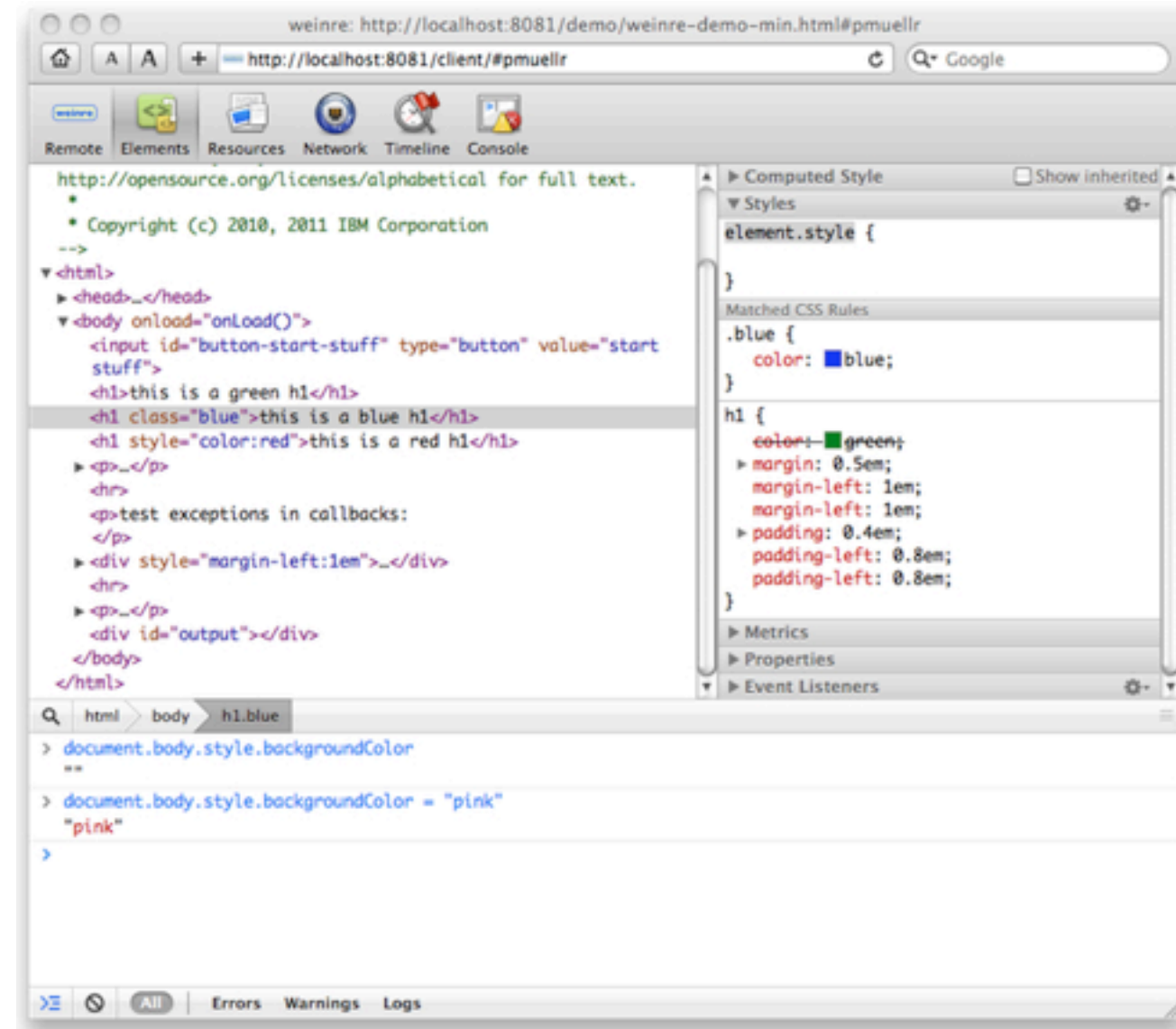


Weinre

wī-nə-rē - "WEb INspector REmote"

Comparable to Firebug (proper)

Element/CSS inspection

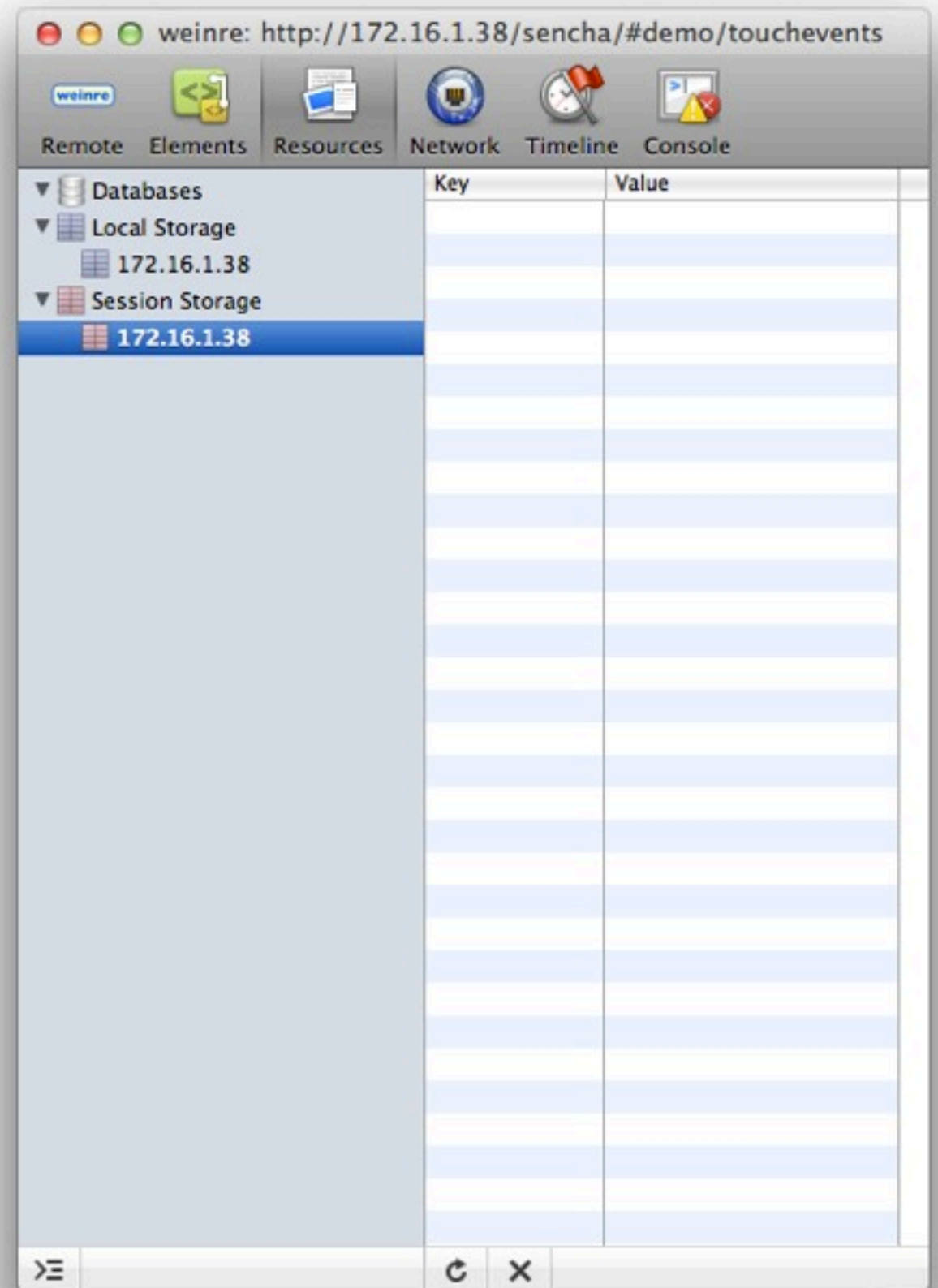


Weinre

wī-nə-rē - "WEb INspector REmote"

Comparable to Firebug (proper)

Element/CSS inspection
Local and Session storage



Weinre

wī-nə-rē - "WEb INspector REmote"

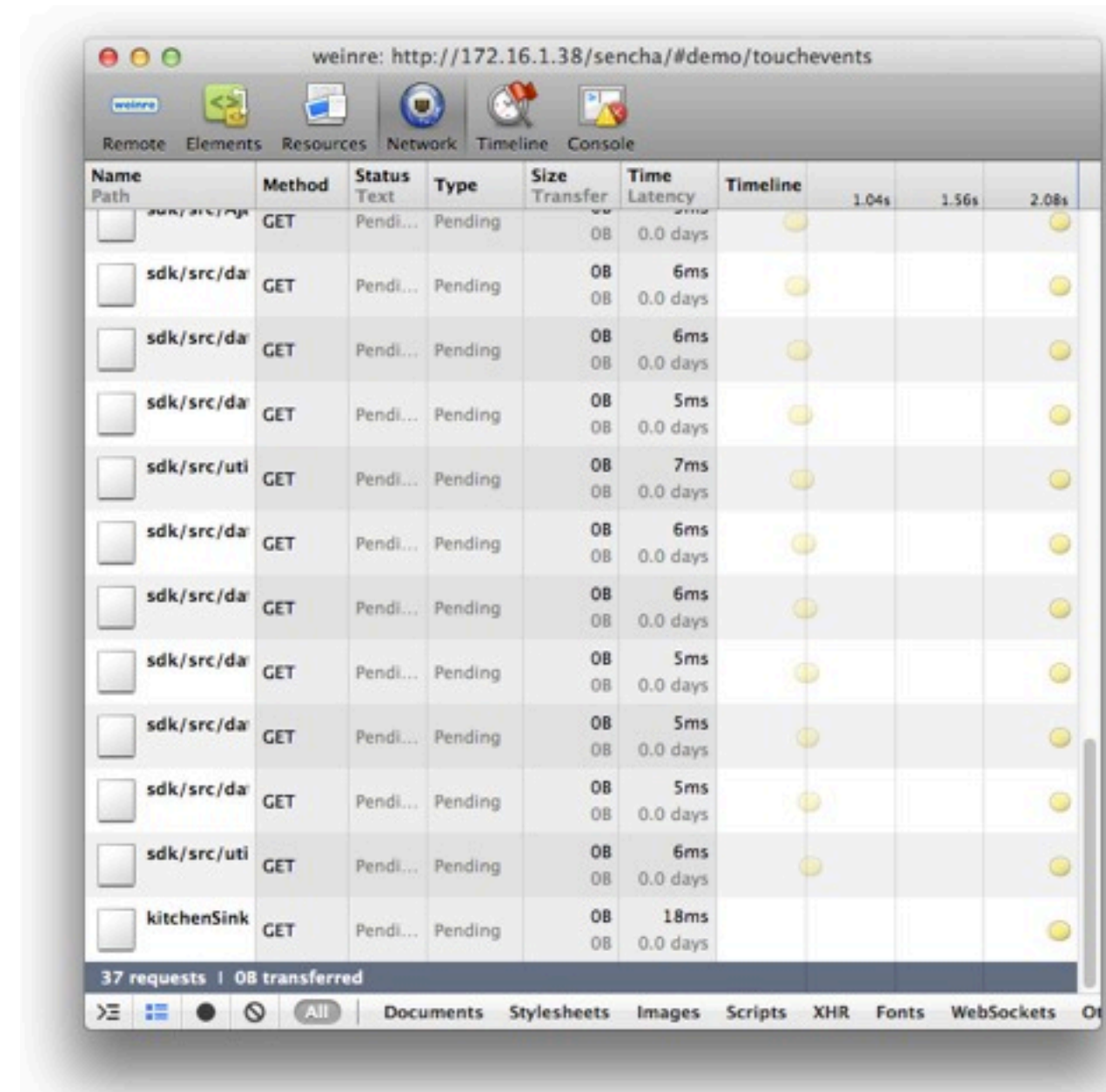
Comparable to Firebug (proper)

Element/CSS inspection

Local and Session storage

Resource requests

(including files or data such as REST)



Weinre

wī-nə-rē - "WEb INspector REmote"

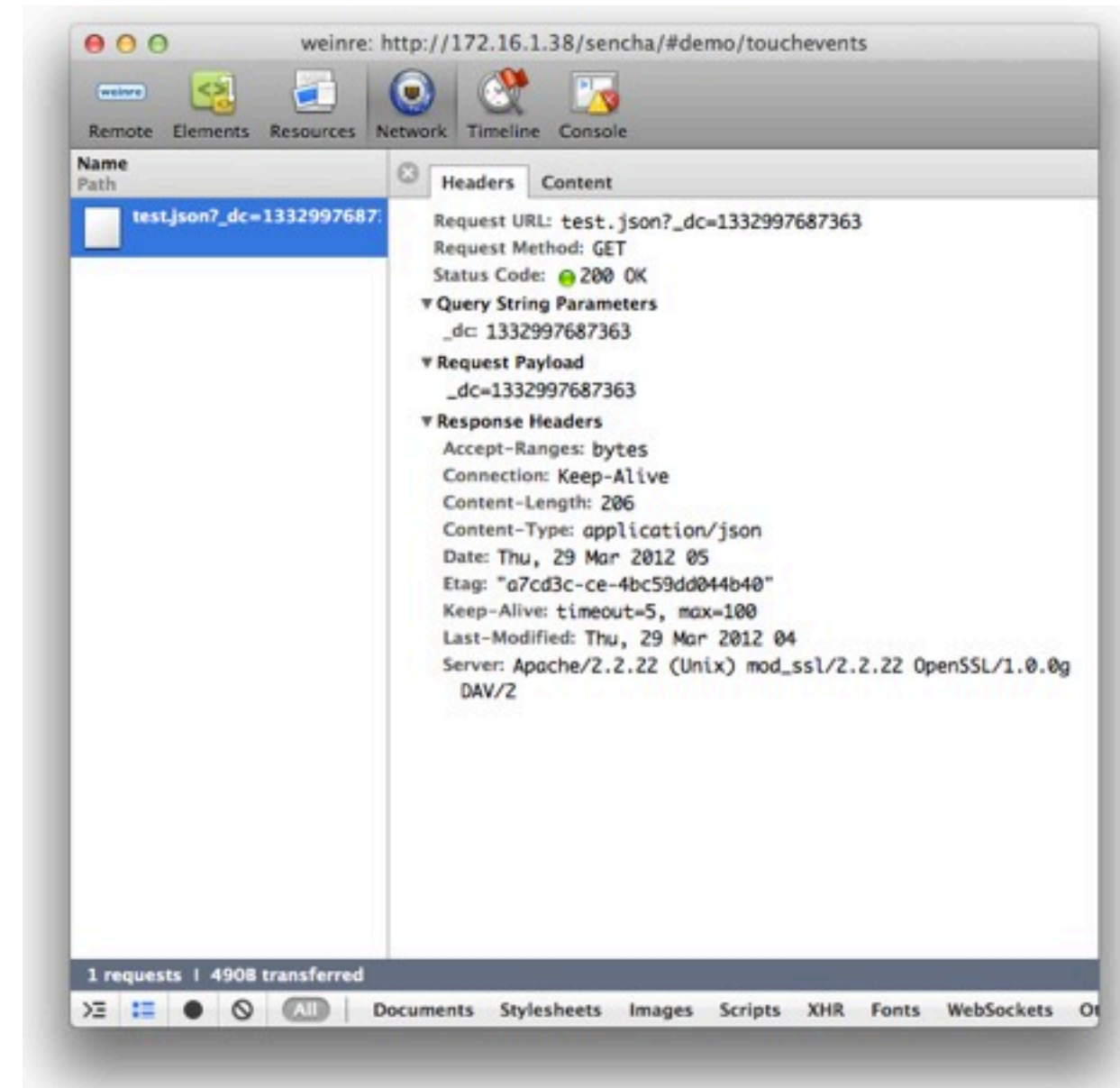
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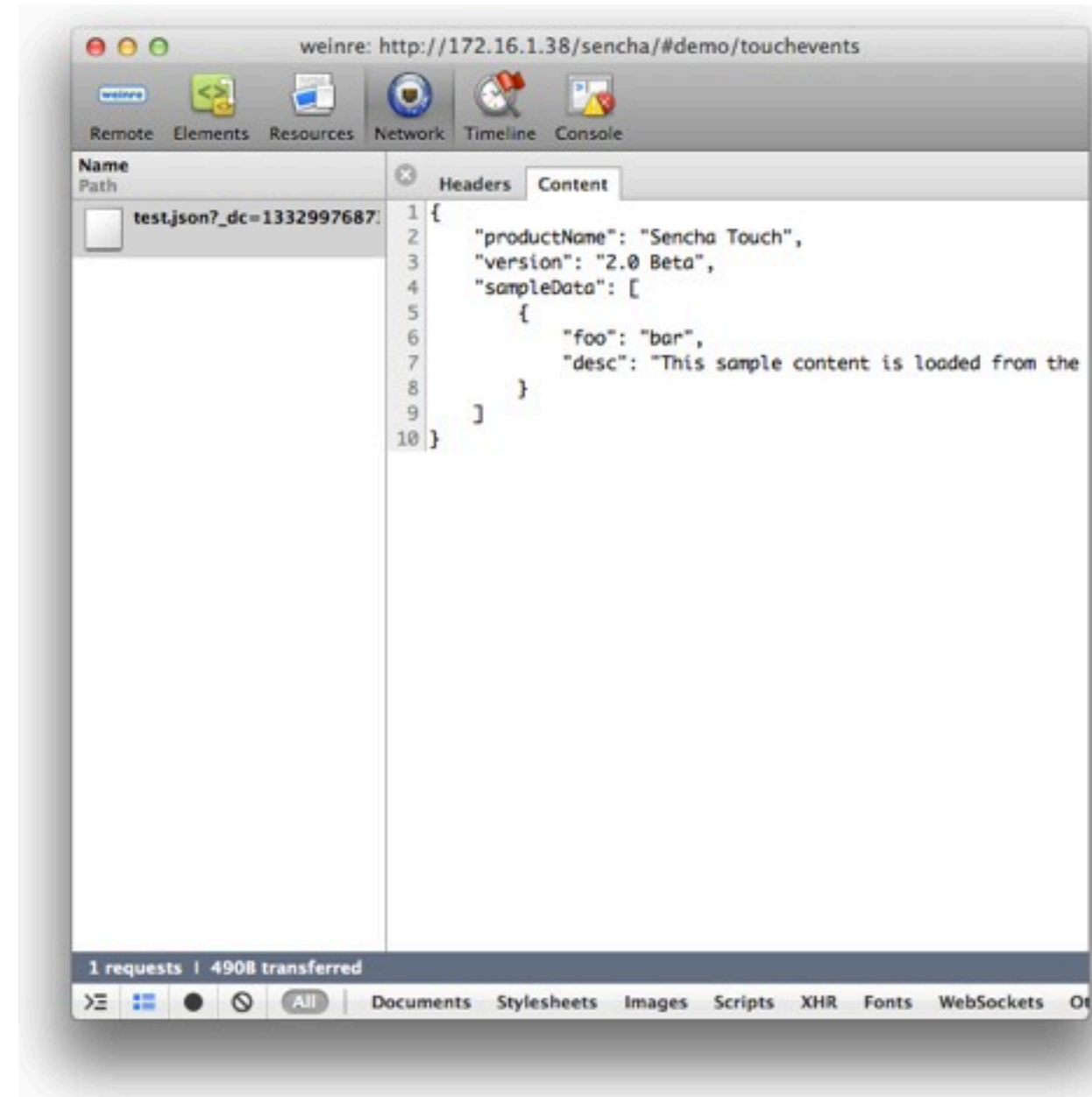
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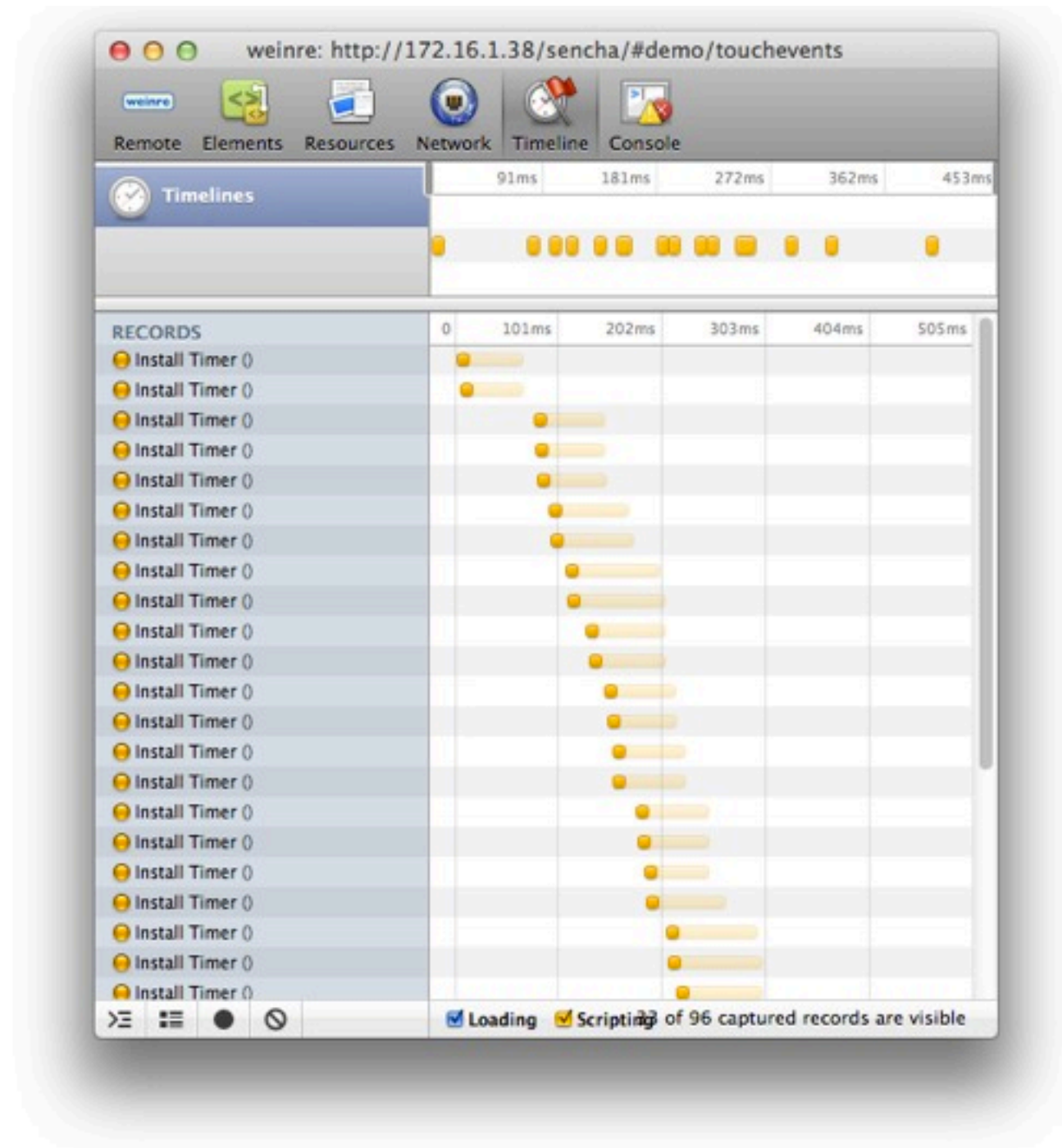
Local and Session storage

Resource requests

(including files or data such as REST)

Event timelines

(who dispatched what events)



Weinre

wī-nə-rē - "WEb INspector REmote"

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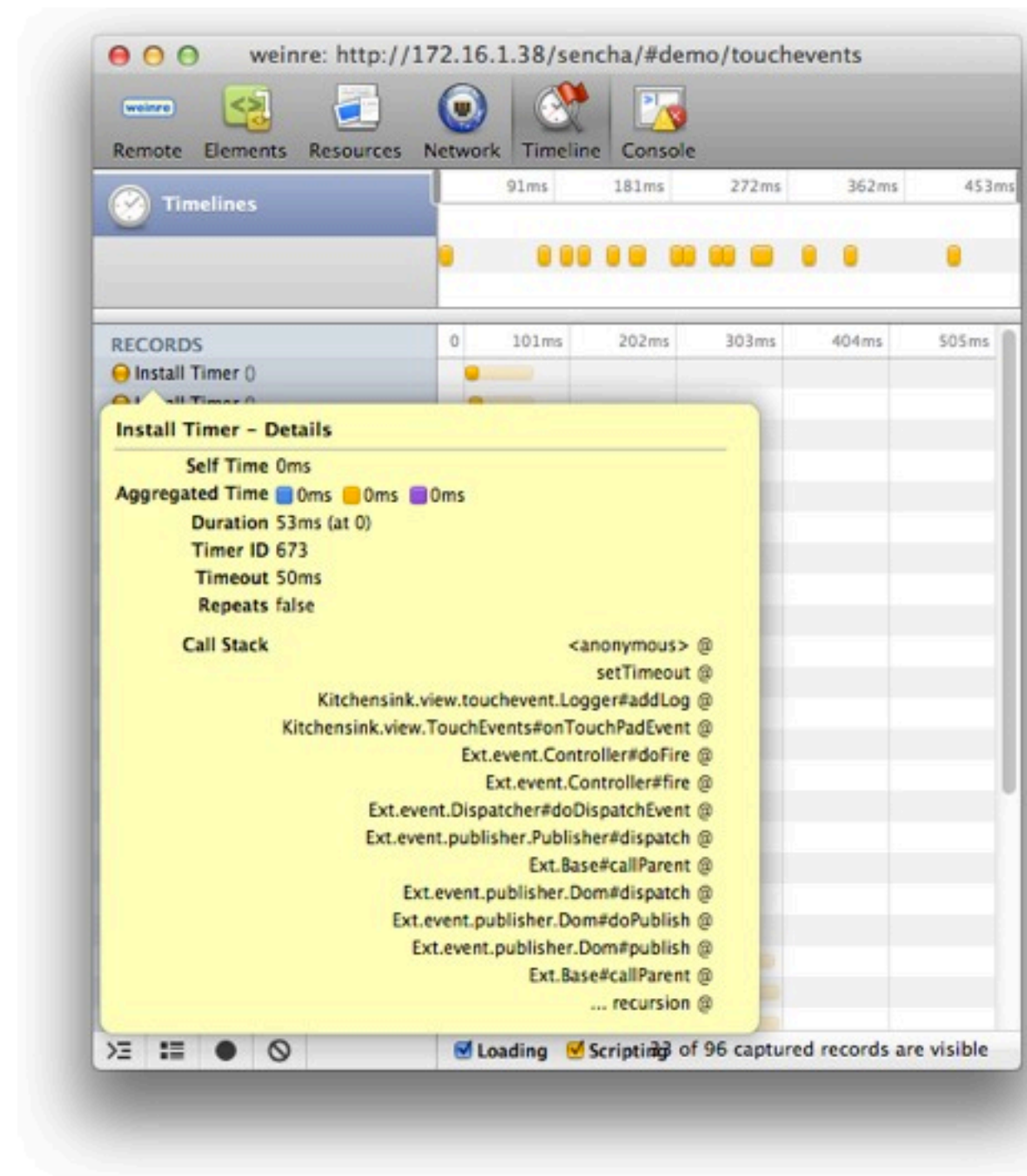
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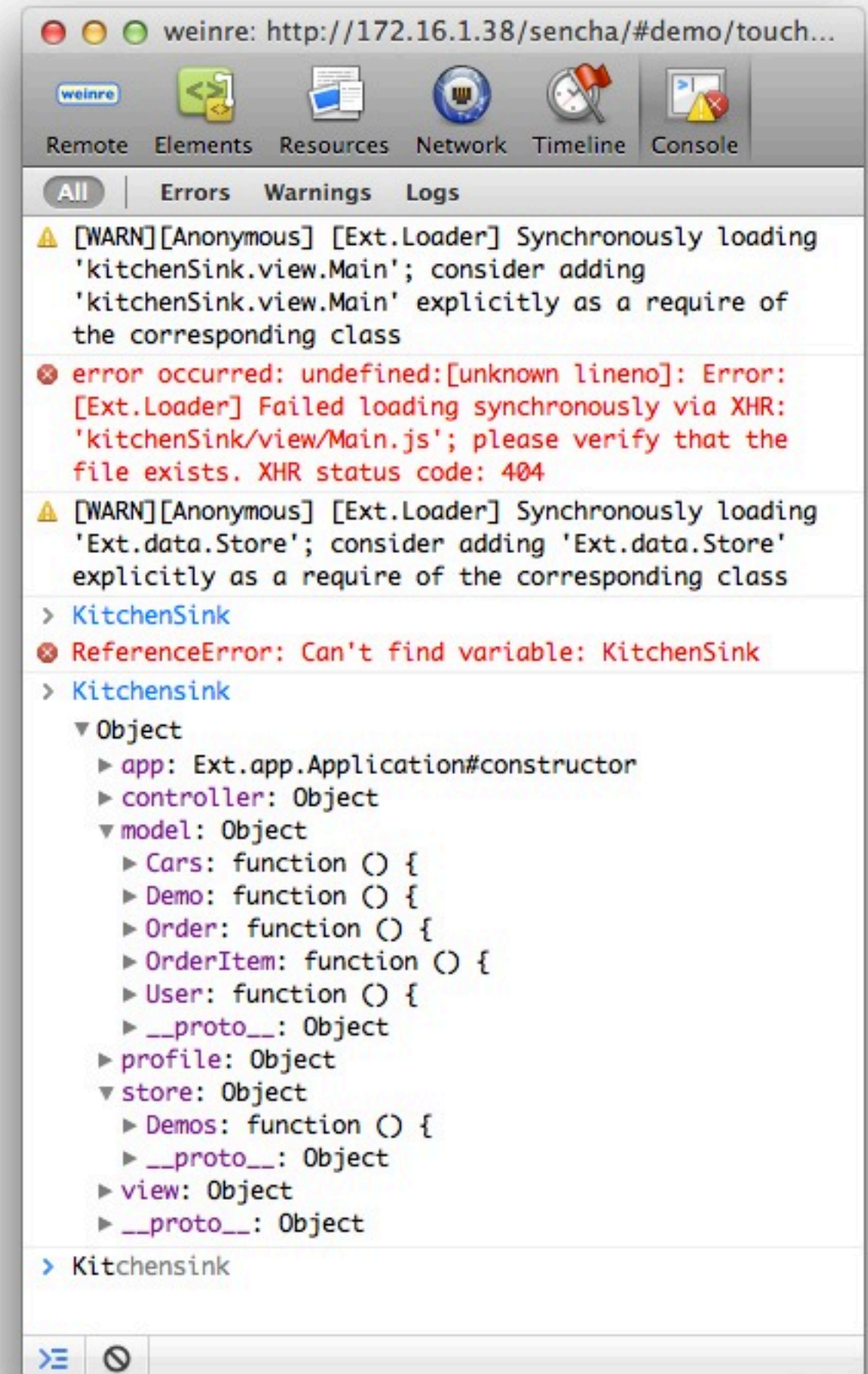
(including files or data such as REST)

Event timelines

(who dispatched what events)

Javascript Console

(includes variable list and execute)



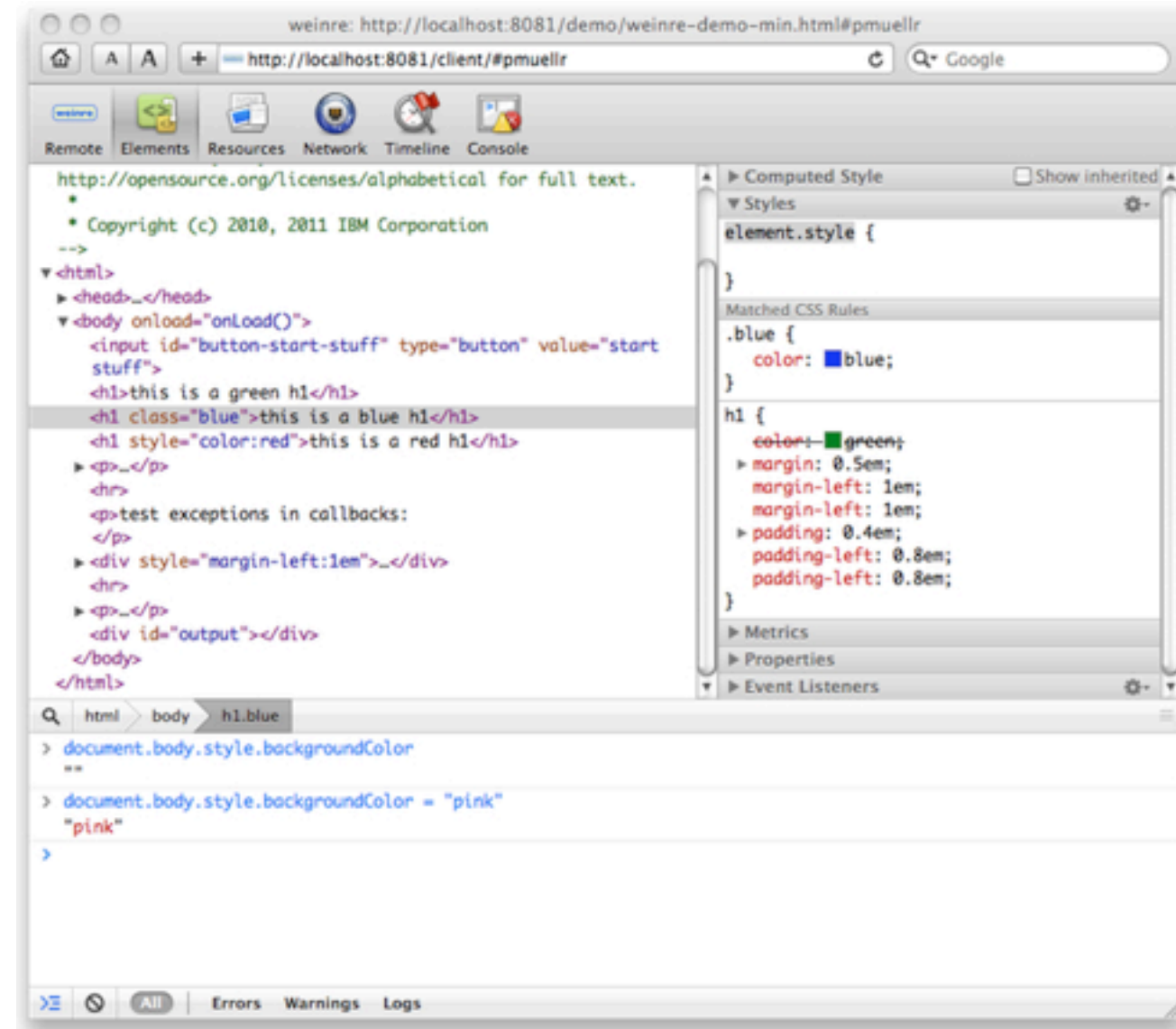
Weinre

wī-nə-rē - "WEb INspector REmote"

Simplest way to run:
<http://debug.phonegap.com/>

From There

- Provide an app id
- Copy the script link to your code
- Click the link in your browser



Weinre

wī-nə-rē - "WEb INspector REmote"

- ❖ To install
- ❖ Go to <http://phonegap.github.com/weinre/>
- ❖ run the following under the commandline
`sudo java -jar weinre.jar --httpPort 80 --boundHost ${ipaddr}`
- ❖ Open <http://ipAddr>
- ❖ Copy Target Script to src
(change #appId)
- ❖ Open <http://ipAddr/client/#appId>

weinre - web inspector remote

Access Points

debug client user interface:	http://172.16.1.38/client/#anonymous
documentation:	http://172.16.1.38/doc/
target demo:	http://172.16.1.38/demo/weinre-demo-min.html#anonymous http://172.16.1.38/demo/weinre-demo.html#anonymous

Target Script

You can use this script to inject the weinre target code into your web page.

<http://172.16.1.38/target/target-script-min.js#anonymous>

Example:

```
<script src="http://172.16.1.38/target/target-script-min.js#anony
```

Target Bookmarklet

You can use this bookmarklet to inject the weinre target code into any web page you are viewing.

link you can drag to your bookmarks:

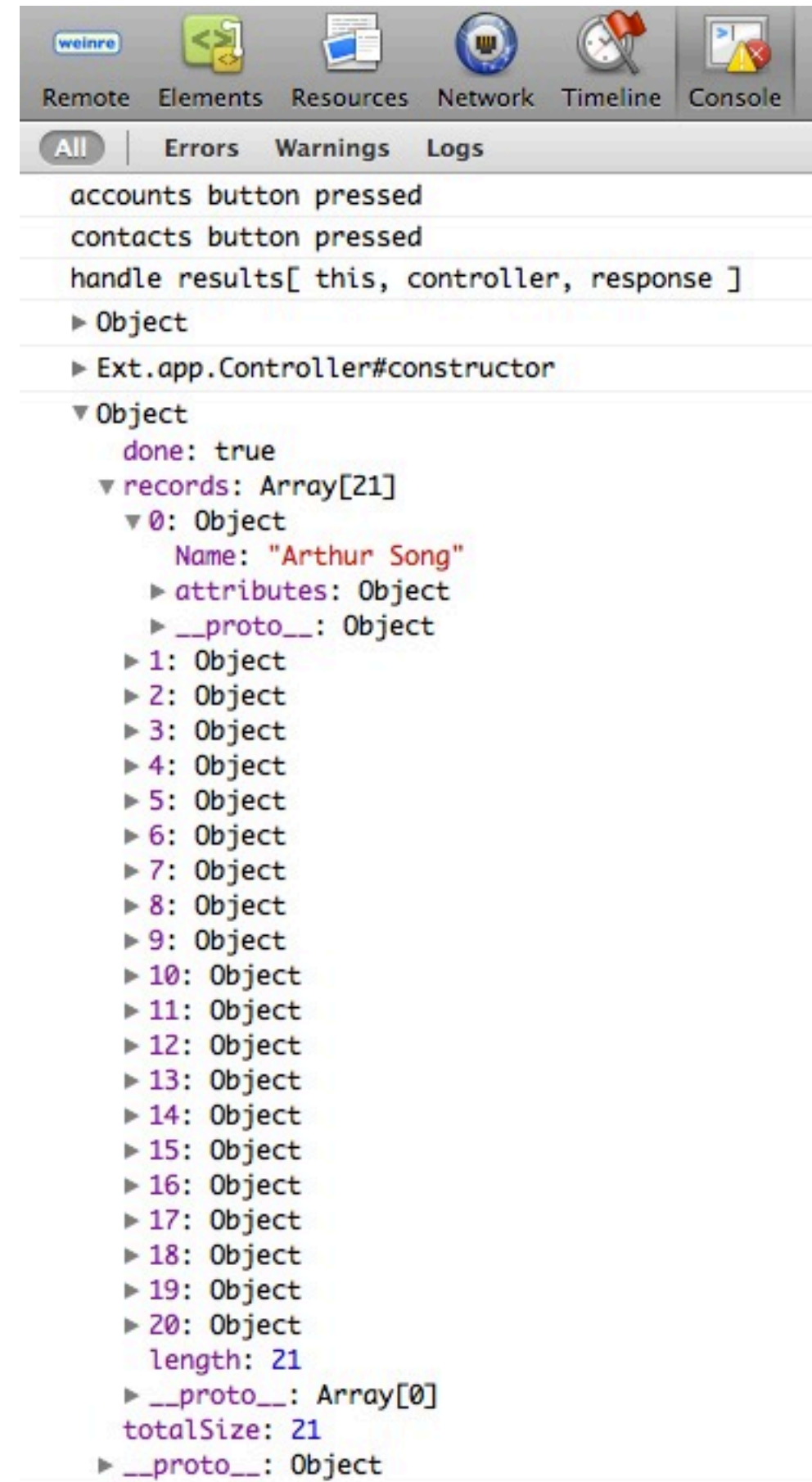
[weinre target debug](#)

bookmarklet url in a pre:

Weinre

wī-nə-rē - "WEb INspector REmote"

- ❖ Note security section on Weinre
- ❖ Although javascript line by line debugging is not available, variables are accessible
- ❖ Does not require local network access (although recommended), can debug in different timezones
- ❖ Console can be different from XCode/DDM logs



Adobe Shadow

<http://labs.adobe.com/technologies/shadow/>

- ❖ Nice UI over Weinre
(simplifies setup, among other things)
- ❖ Uses synchronized browsing
for realtime updates to web
pages
(supposedly supports localhost, but found
only local web server support instead)



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The screenshot shows the Adobe Shadow mobile application interface. At the top, the status bar displays 'AT&T', signal strength, Wi-Fi, the time '11:42 PM', and battery level '88 %'. Below the status bar is a black header with a back arrow, the text 'slateblue', and a share icon. A blue navigation bar contains a 'Back' button, the title 'Forms', and a 'Source' button. Below this is a tab bar with 'Basic', 'Sliders', and 'Toolbars' tabs. The main content area is titled 'Personal Info' and contains a form with the following fields:

Name*	Tom Roy
Password	
Email	me@sencha.com
Url	http://sencha.com
Spinner	0
Cool	

The 'Spinner' field has minus and plus buttons for adjustment. The 'Cool' field is partially visible at the bottom.

Adobe Shadow

<http://labs.adobe.com/technologies/shadow/>

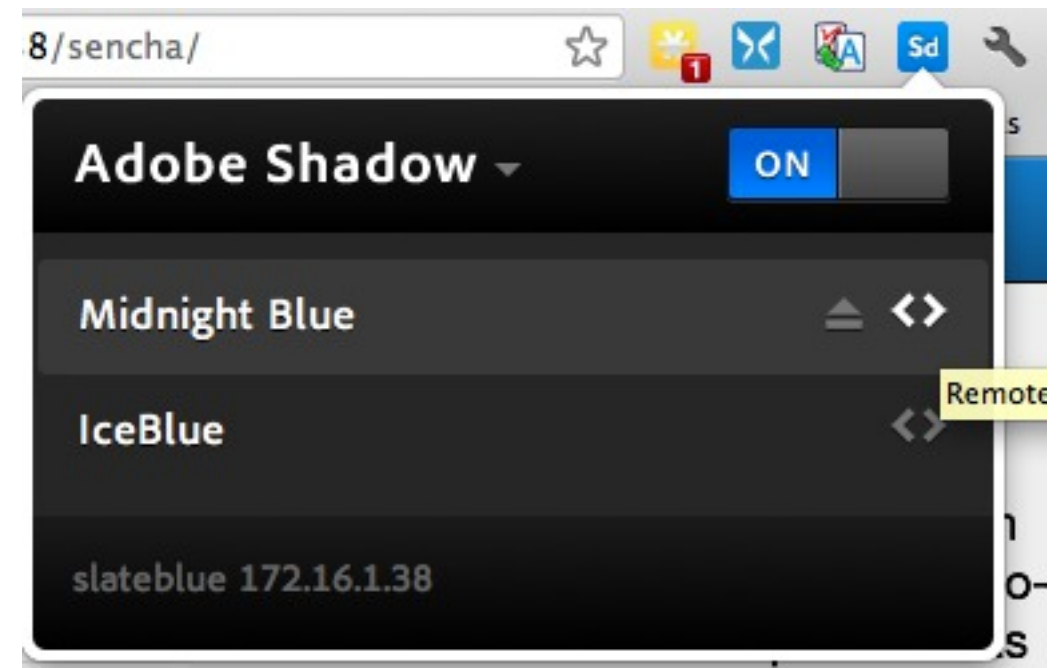
- ❖ To install:
- ❖ Download and install desktop Adobe Shadow
()
- ❖ Install Adobe Shadow on your device (iOS or Android)
- ❖ Install Adobe Shadow Google Chrome extension



Adobe Shadow

<http://labs.adobe.com/technologies/shadow/>

- ❖ Once everything is installed:
- ❖ Start Adobe Shadow on desktop and device
- ❖ Pair the device with Desktop (notice this uses automatic pairing)
- ❖ Input the device code to your desktop
- ❖ Browse in Chrome for pairing or select <> to open weinre window



ExtJS 4.0

Further reading

Firebug l.i.t.e.

<http://getfirebug.com/firebuglite>

<http://bit.ly/u6pN4N>

Weinre

<http://phonegap.github.com/weinre/>

<http://debug.phonegap.com/>

Adobe Shadow

<http://labs.adobe.com/technologies/shadow/>

<http://tv.adobe.com/watch/adobe-technology-sneaks-2012/adobe-shadow>

ExtJS 4.0

Further reading

All Code, builds and presentation
are on GitHub

<https://github.com/paulroth3d/Sencha-Talk>