

Re-imagining the browser with

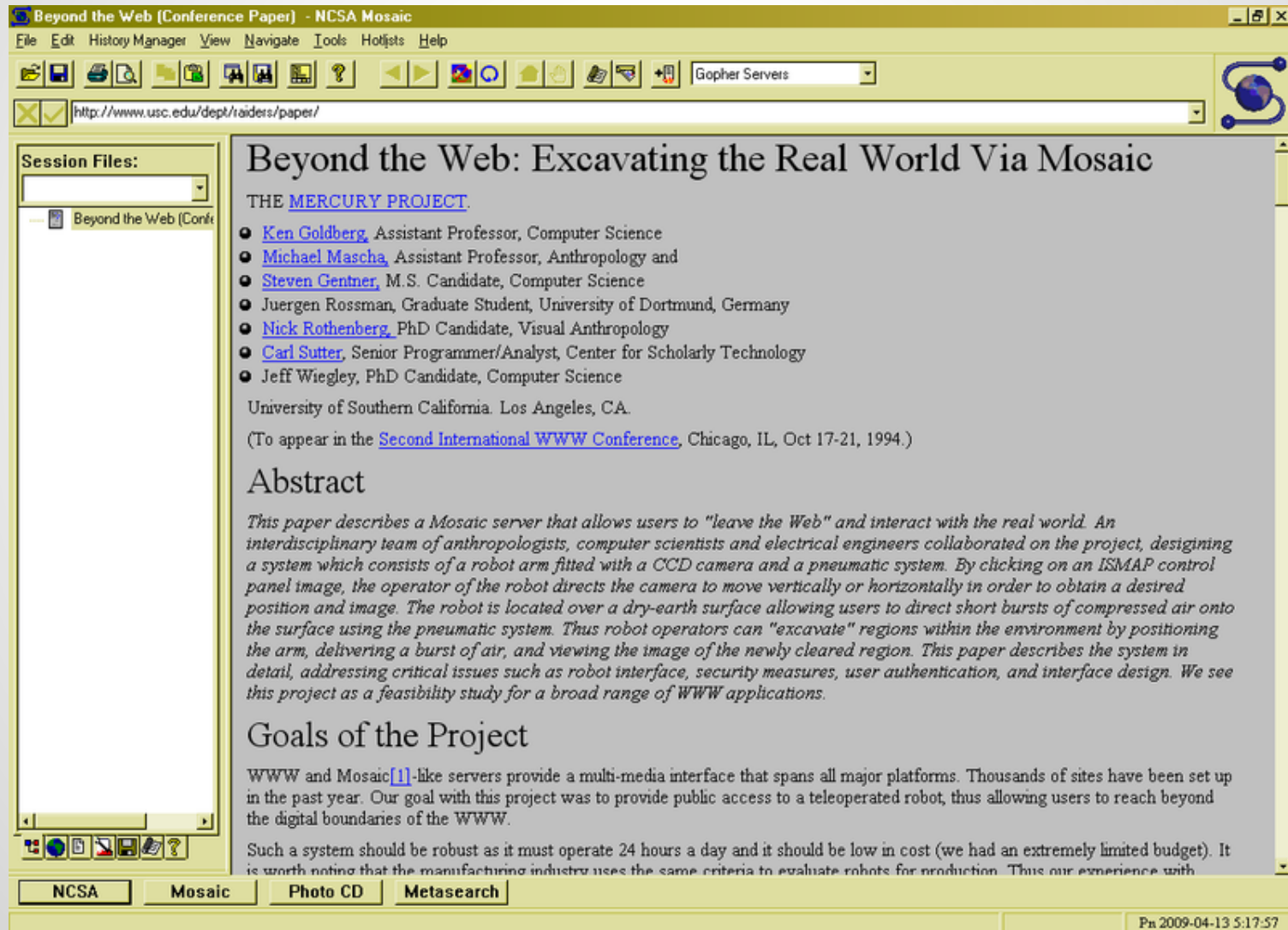


ANGULARJS
by Google

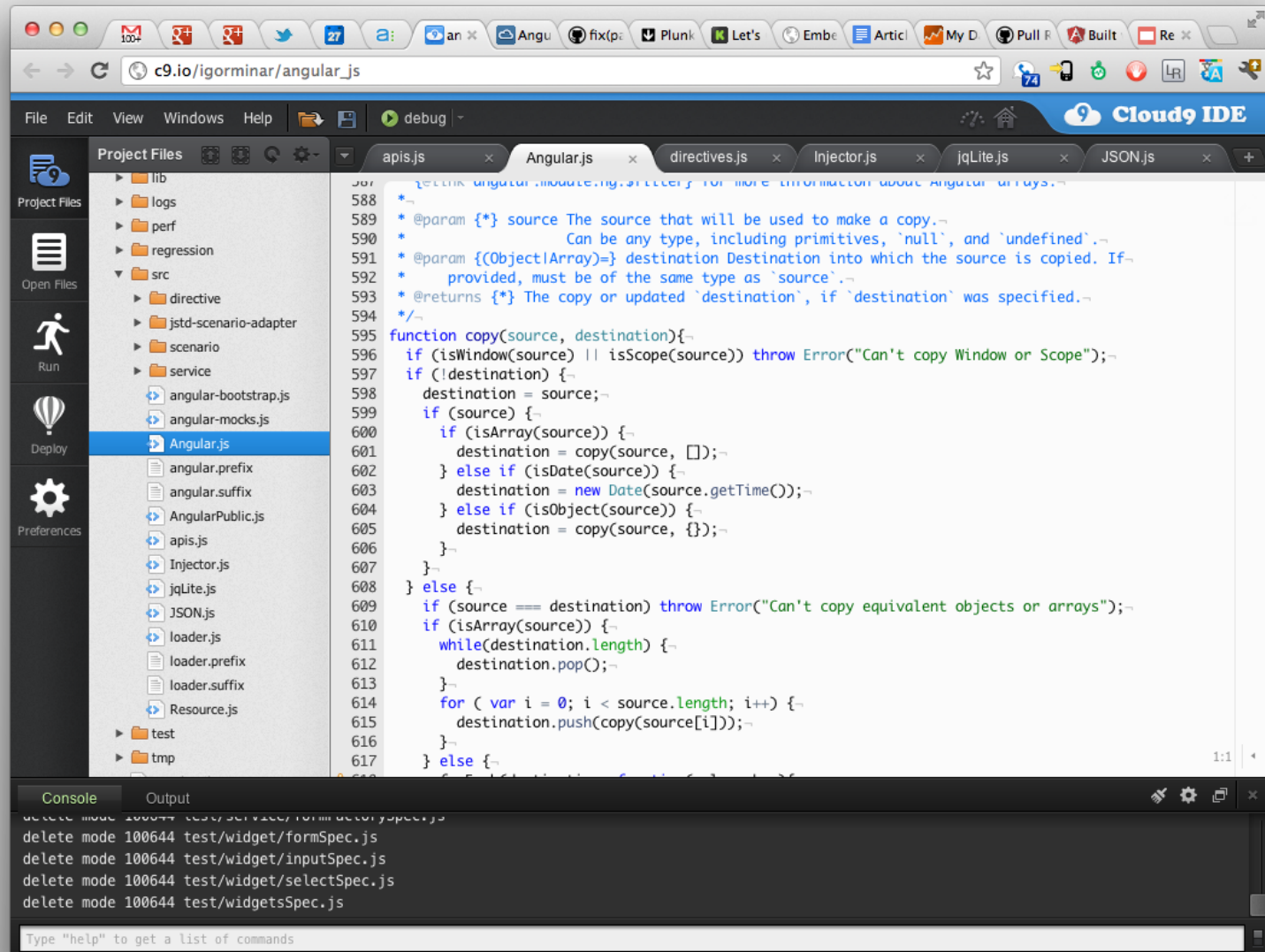
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Google, Inc.

GothamJS
2012-07-14

Browser (1994)



Browser (2012)



Current State

User :-)

Developer :-)

**Complexity
Kills!**

Hello Web

Static
page

```
index.html ×
1 <p>Hello world</p>
```

```
hello.js ×
1 var isIE = document.attachEvent;
2 var addListener = isIE
3   ? function(e, t, fn) { e.attachEvent('on' + t, fn);}
4   : function(e, t, fn) { e.addEventListener(t, fn, false);};
5
6 addListener(window, 'load', function(){
7   var greeting = document.getElementById('greeting');
8   if (isIE) {
9     greeting.innerText = 'Hello World!';
10  } else {
11    greeting.textContent = 'Hello World!';
12  }
13 });
```

Dynamic
Web App

Tricking the Browser

Remember rounded
corners before
`border-radius?`

But ...



= Imperative :-)

Declarative FTW!

```
1 <p>Hello world</p>
```

```
1 <p>{{greeting}}</p>
```

Data Binding

Model

```
{  
  first: "Tony",  
  last: "Stark",  
  imgSrc: ...  
}
```

View(s)



First:

Last:

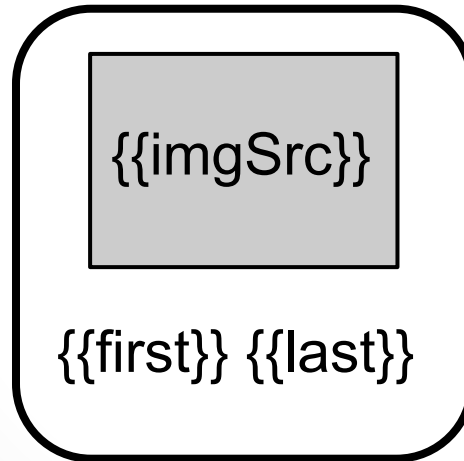
This view displays two text input fields for the first and last names, both containing the values from the model.

Spreadsheet-like updates

Advanced Templating

```
[{first: "Tony",  
  last: "Stark",  
  imgSrc: ...  
},  
{first: "Clark",  
  last: "Kent",  
  imgSrc: ...  
},  
{first: "Bruce",  
  last: "Wayne",  
  imgSrc: ...  
}]
```

+



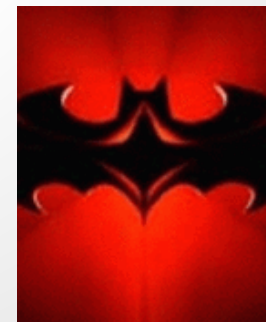
=



Tony Stark



Clark Kent

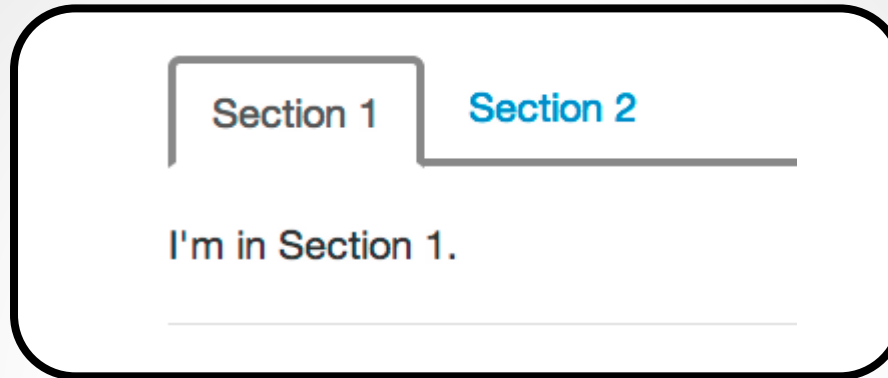


Bruce Wayne

Data Binding

	Impl.	When?
AngularJS	JavaScript	Now
Model Driven Views	Native	Future

But HTML can be verbose!



Tricking
the Browser

```
1 <div class="tabbable">
2   <ul class="nav nav-tabs">
3     <li class="active"><a href="#ta
4     <li><a href="#tab2" data-toggl
5   </ul>
6   <div class="tab-content">
7     <div class="tab-pane active" i
8       <p>I'm in Section 1.</p>
9     </div>
10    <div class="tab-pane" id="tab2"
11      <p>Howdy, I'm in Section 2.</
12    </div>
13  </div>
14 </div>
```

Reusable
Components

```
1 <tabs>
2   <pane title="Section 1">
3     I'm section 1.
4   </pane>
5   <pane title="Section 2">
6     Howdy, I'm section 2.
7   </pane>
8 </tabs>
```

`<google-map>`

`<tabs>`

`<tweet>`

`<UNLEASH
YOUR
IMAGINATION>`

`<avatar>`

`<color-picker>`

`<invoice>`

Reusable Components

	Impl.	When?
AngularJS	DOM+JS	Now
Web Components	Native	Near Future



ANGULARJS

by Google

Let's code!

<http://angularjs.org/>