Captain PhoneGap & The Web Avengers:

Saving Budgets and Kickin' Apps

By John Rhea

@StoryKaboom

HEROES

Captain PhoneGap

Powers:

- Brings the web avengers together to create apps
- Can create an app for any size problem/screen
- Near-native capabilities

Weaknesses:

- Being everything to every platform can prevent you from utilizing that platform's strengths
- Like many Open Source Heroes, Usability
- Documentation

Catch Phrase:

In any width, in any height
On any screen with colored light
I'll build an app beyond delight
Beware thy apps! PhoneGap's Might!

Fantastic HTML5

Powers:

- Structural Underpinnings of the web avengers
- Provides the basis for Super CSS3 and Javascript Girl to do their work.

Weaknesses:

- Really boring to talk to (even if v.5 increased his tag vocabulary)
- Newest features are still being defined/implemented

Catch Phrase:

Tag you're it, Evil!

Super CSS3

Powers:

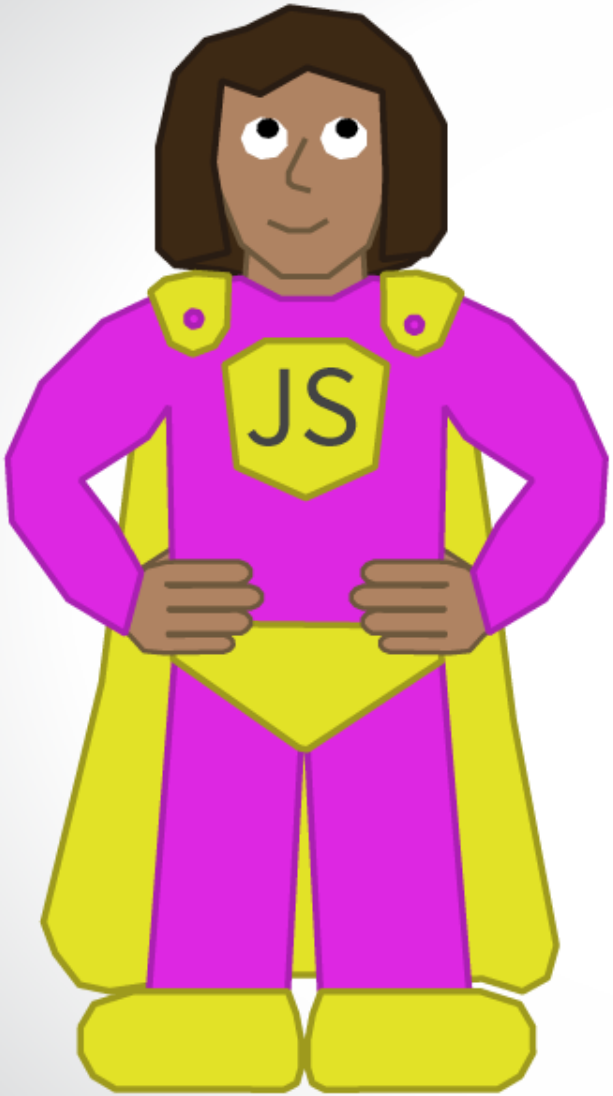
- The only Web Avenger with style
- Has gained many new powers once only available to Javascript Girl

Weaknesses:

- Can't do programming logic
- Browser support can be spotty (though getting better)

Catch Phrase:

Selective Justice!



JavaScript Girl

Powers:

- Brainy heroine who provides app logic
- Used by Captain PhoneGap to provide near-native abilities to his apps

Weaknesses:

- Can get bloated easily (should avoid eating too many frameworks)
- Can never run at native speeds
- Sometimes bosses HTML5 and CSS3 around

Catch Phrase:

Server-side This!

Mysterious Framework

Powers:

- Make UI look good across platforms
- Provide additional functionality
- Many to choose from

Weaknesses:

- Many to choose from
- Can cause bloat
- Can be hard to keep straight

Catch Phrase:

The mystery is you.

VILLAINS

Dr. Nicolai Naysayer

Powers:

- Discouragement
- Weeping
- The feeling that nothing can get better

Weaknesses:

- Complementing his hair
- Poking (particularly when it's holes in his argument)

Catch Phrase:

That's a great idea! ...Except I'm not sure it will work in reality. Normal physics and all that, you know.

Budget Monster

Powers:

- Scare the ever-living daylights out of bosses
- Squashes new initiatives without a second thought

Weaknesses:

- Listens to well-reasoned arguments and data
- Likes things that are inexpensive

Catch Phrase:

Death to your favorite project (and all you hold dear)!

Marvin Milktoast

Powers:

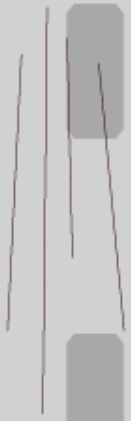
- Disinterest
- Boredom
- Sucking the life out of parties

Weaknesses:

- Interesting Reading
- New Ideas
- Funny Hats

Catch Phrase:

Sure... I guess so... That might be fine...



Damsel in Distress

Joe Magazine

Need:

- A magazine thing to give his readers great content without the cost of printing or the impersonal nature of a PDF

Requirements:

- Low Cost (his boss fears the budget monster)
- As engaging as the print magazine the budget monster ate last year
- Within the scope of reality

Catch Phrase:

Help! I'm in distress!

PhoneGap & Cordova

The Trademarked Hero

The Open Source Hero

PhoneGap's Near-Native Capabilities

Accelerometer
Camera
Compass
Contacts
Device
Files
Storage
and more!

Plugins

Config.xml

```
<?xml version='1.0' encoding='utf-8'?>
<widget id="us.storylab.necessityschild" version="1.0.0"
xmlns="http://www.w3.org/ns/widgets"
xmlns:cdv="http://cordova.apache.org/ns/1.0">
<name>Necessitys Child</name>
<description>
    Great fiction married with great design all wrapped in a great reading experience. StoryLab Magazine's first issue, Necessity's Child looks at invention in all its forms and features the stories The Cleverest Contraption of Jeremiah Brown, There's Time, The Year Santa Got Stuck, One Man's Heaven..., Dad's List of Accomplishments (unlockable), and The Time Machine (unlockable).
</description>
<author email="chiefstoryscientist@storylab.us" href="http://storylab.us">
    StoryLab and John Rhea
</author>

//To Be Continued
```

CONFIG.XML - 2

```
    <preference name="fullscreen" value="true" />
    <preference name="detect-data-types" value="false" />
    <plugin name="SplashScreen" value="CDVSplashScreen" />
    <plugin name="SplashScreen" value="org.apache.cordova.SplashScreen"/>
    <preference name="SplashScreen" value="screen" />

    <!-- IOS ICONS -->
    <platform name="ios">
      <icon src="iconandsplash/icon-60.png" width="60" height="60" />
      <icon src="iconandsplash/icon-60@2x.png" width="120" height="120" />
      <!-- ... a whole lot more ... -->
    </platform>
   <!-- Other Platform Icons -->
    <content src="index.html" />
    <access origin="*" />
</widget>
```

Default Index.js

```
var app = {
    // Application Constructor
    initialize: function() {
        this.bindEvents();
    },
    // Bind Event Listeners
    //
    // Bind any events that are required on startup. Common events are:
    // 'load', 'deviceready', 'offline', and 'online'.
    bindEvents: function() {
        document.addEventListener('deviceready', this.onDeviceReady, false);
    },

//To be Continued
```

Default Index.js - 2

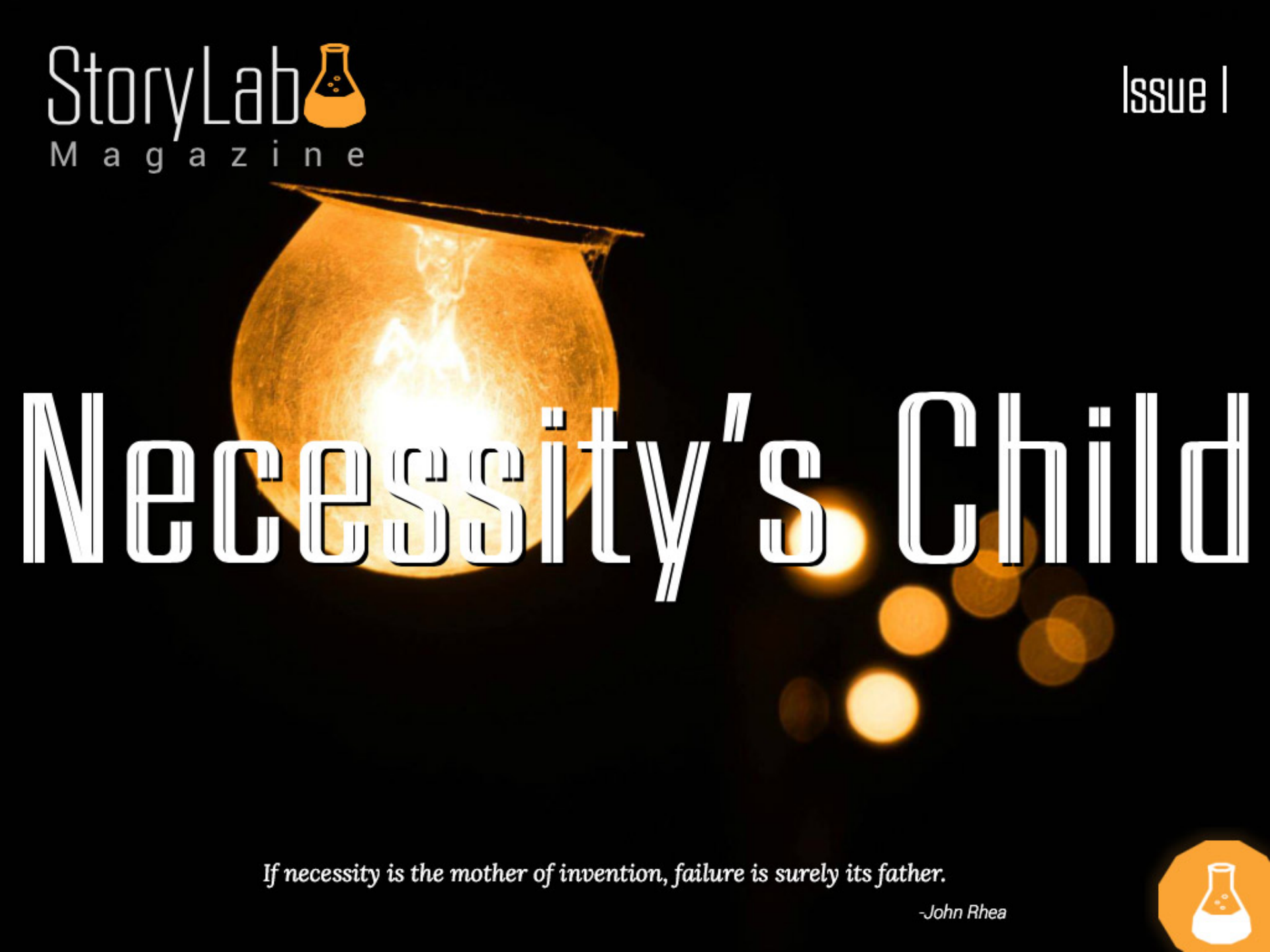
```
    // deviceready Event Handler
    // The scope of 'this' is the event. In order to call the 'receivedEvent'
    // function, we must explicitly call 'app.receivedEvent(...);'
    onDeviceReady: function() {
        app.receivedEvent('deviceready');
    },
    // Update DOM on a Received Event
    receivedEvent: function(id) {
        var parentElement = document.getElementById(id);
        var listeningElement = parentElement.querySelector('.listening');
        var receivedElement = parentElement.querySelector('.received');

        listeningElement.setAttribute('style', 'display:none;');
        receivedElement.setAttribute('style', 'display:block;');

        console.log('Received Event: ' + id);
    }
};
```

StoryLab Magazine

Issue I



Necessity's Child

If necessity is the mother of invention, failure is surely its father.

-John Rhea

PhoneGap Build & Command Line Interface

Adobe's Service

The Nerd Way

FAILING
PUBLICLY!

Question ?

Front

Back

tell your story

John Rhea

chiefstoryscientist@storylab.us
@storykaboom

cut out and play

Blog: storylab.us
Portfolio: johnrhea.com
Magazine: storylabmagazine.com
Skills: design, code, multimedia, storytelling

Fold on dotted line for a stand