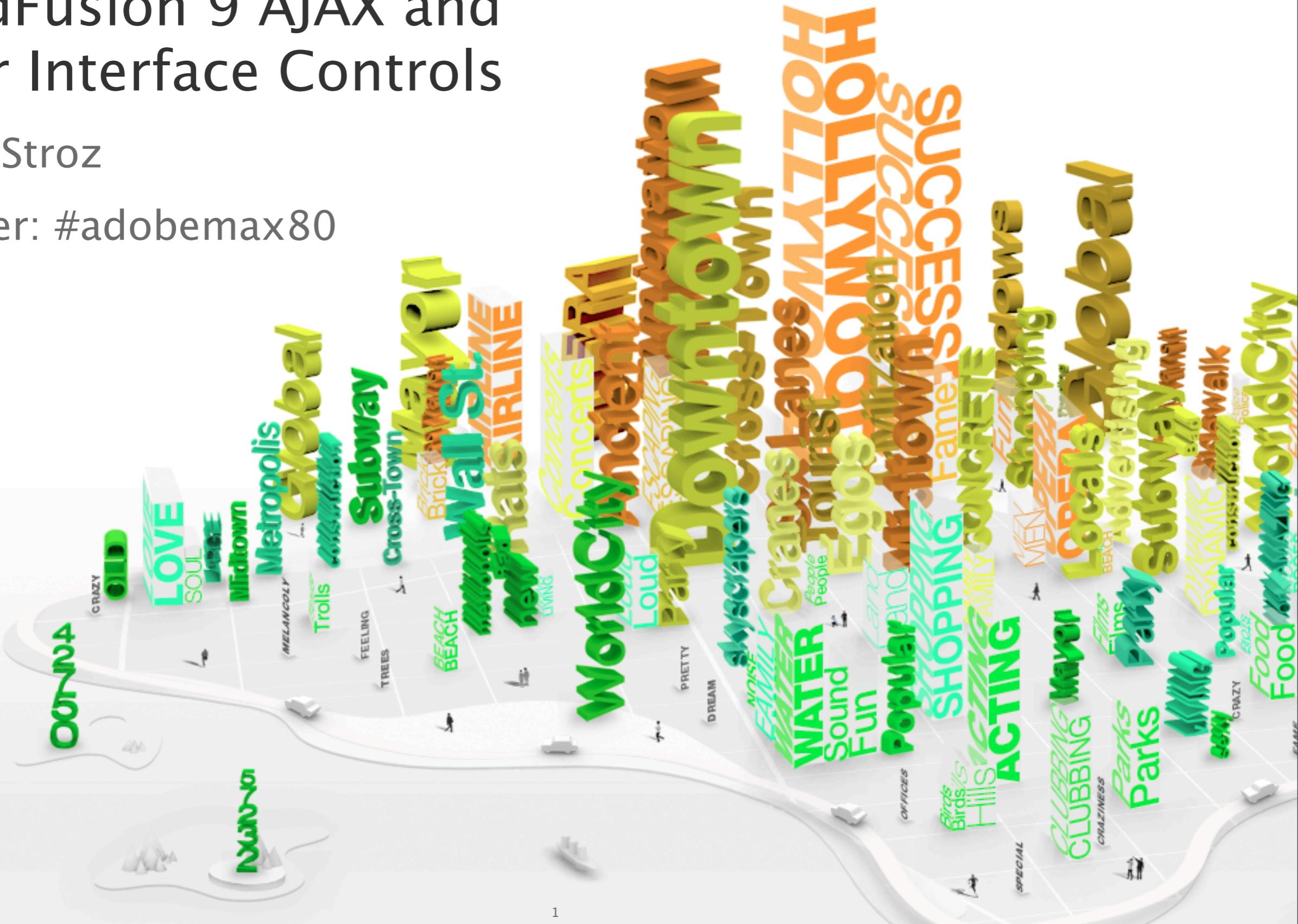


# ColdFusion 9 AJAX and User Interface Controls

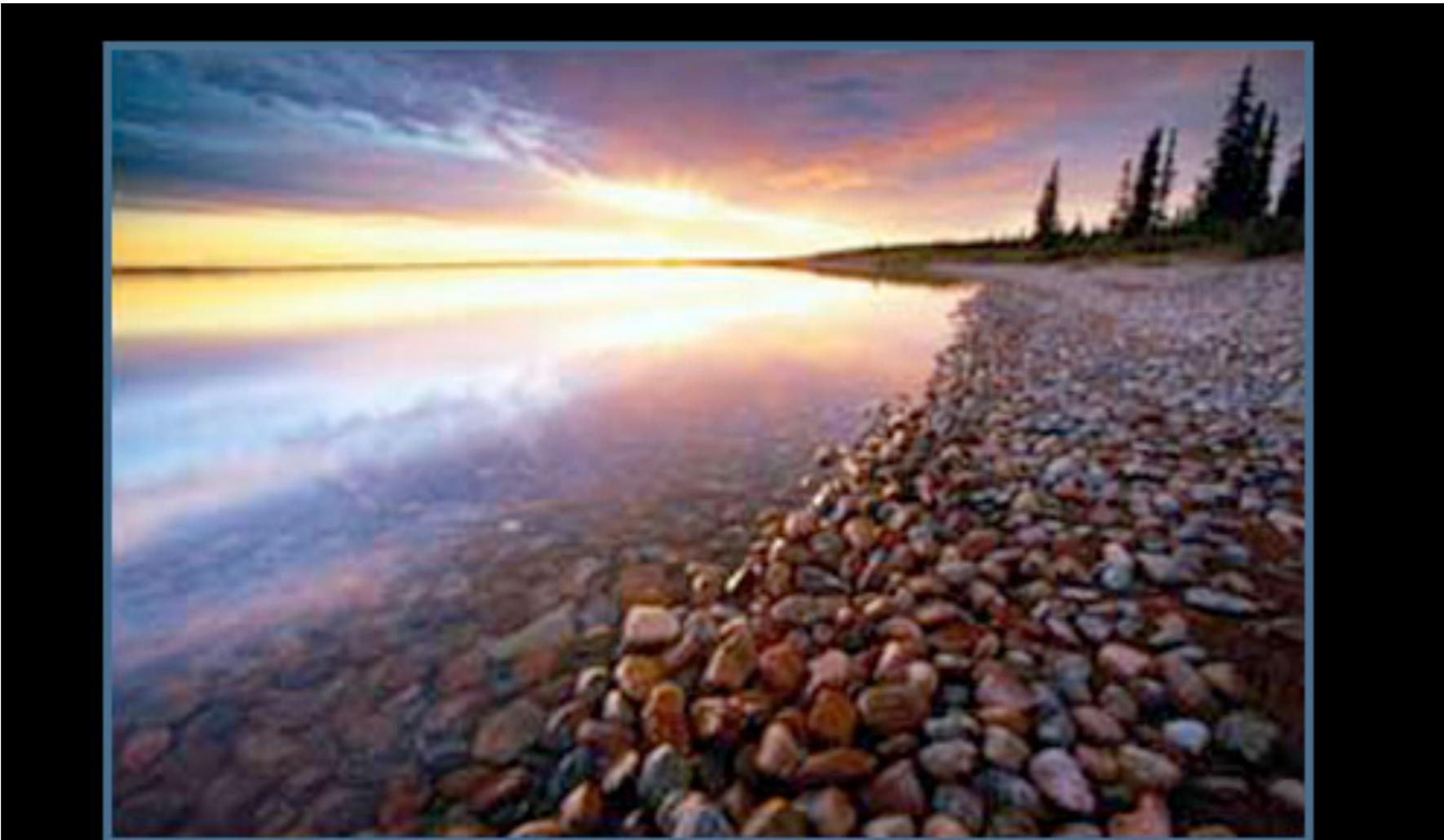
# Scott Stroz

Twitter: #adobemax80



# A Big Thanx!!

MAX



## MOTIVATION

if a pretty poster and a cute saying are all it takes to motivate you  
you probably have a very easy job the kind robots will be doing soon

# Who is this guy?

- My Name is Scott Stroz
  - AKA – Boyzoid
- Senior Software Architect for Alagad
- Web Developer for about 8 years.
- ColdFusion developer since ColdFusion 5
- I am a self–professed ‘lazy coder’
  - This is NOT a bad thing.
- In my previous life career I delivered 3 babies
  - One even has ‘Scott’ as his middle name.

# What are we going to talk about?

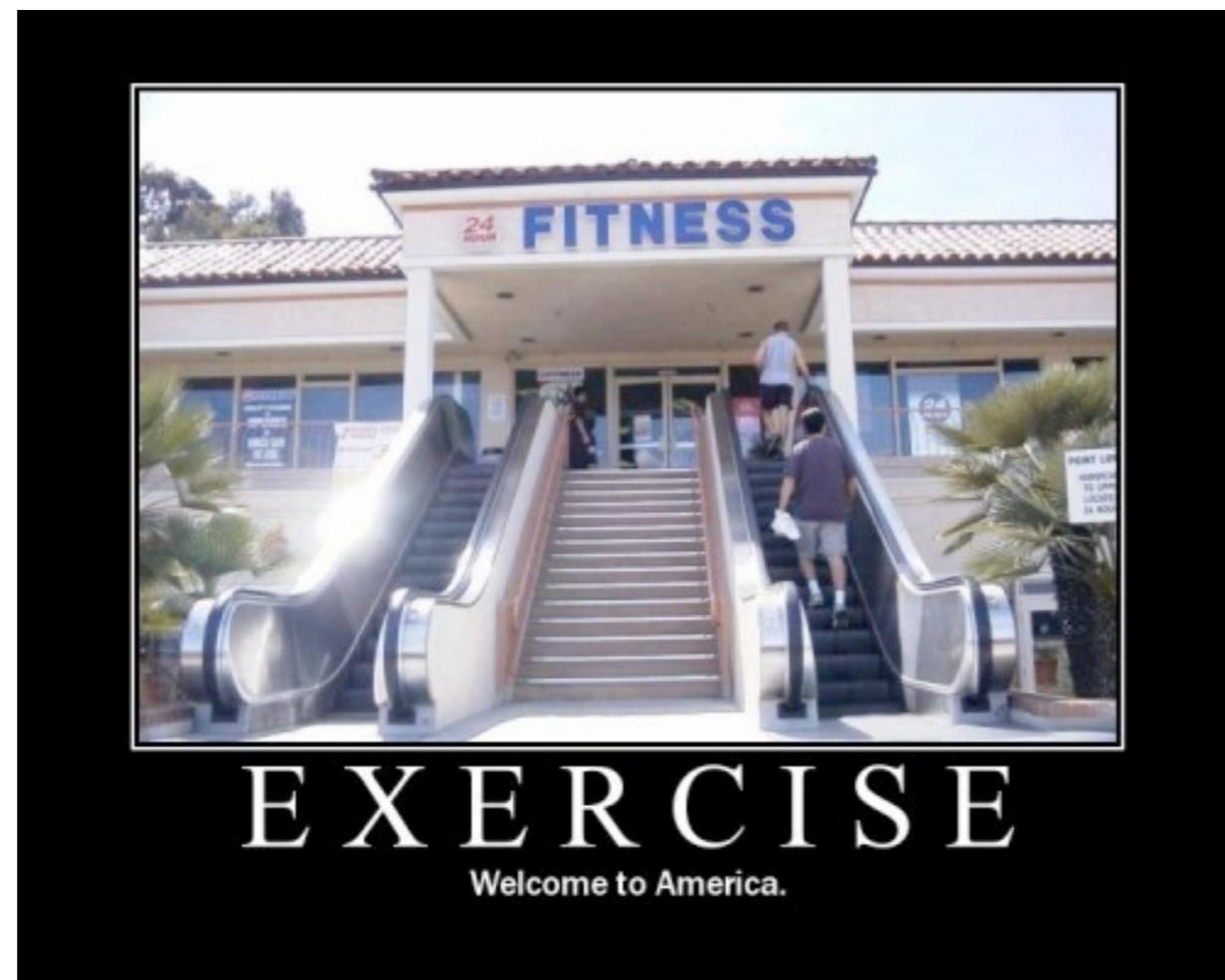
- What is jQuery?
  - A brief history
  - Some simple examples of ‘selectors’
- New AJAX controls in CF9
  - CFMAP
  - CFMEDIAPLAYER
  - CFMESSAGEBOX
  - CFGRID
    - Not really new, but different enough
- Other AJAX controls
  - CFWINDOW
  - CFLAYOUT
- How can we tie these all together with jQuery?
  - Examples of how to use jQuery with the Coldfusion 9 AJAX controls.

- “jQuery is a fast and concise JavaScript Library that simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development. jQuery is designed to change the way that you write JavaScript.”
  - The jQuery Web site.

# What is jQuery?

MAX

- To put it simply:
  - jQuery is an easy way to find and manipulate ‘stuff’ on your web page.
- Lightweight – when minified
- Cross-browser compliant
- There are thousands of ‘plugins’ that extend the core functionality of jQuery.



## ■ CFMAP

- Embeds a Google map in your page.
- No need to mess with the Google API
- You can use CFMAPITEM to add points to your maps.

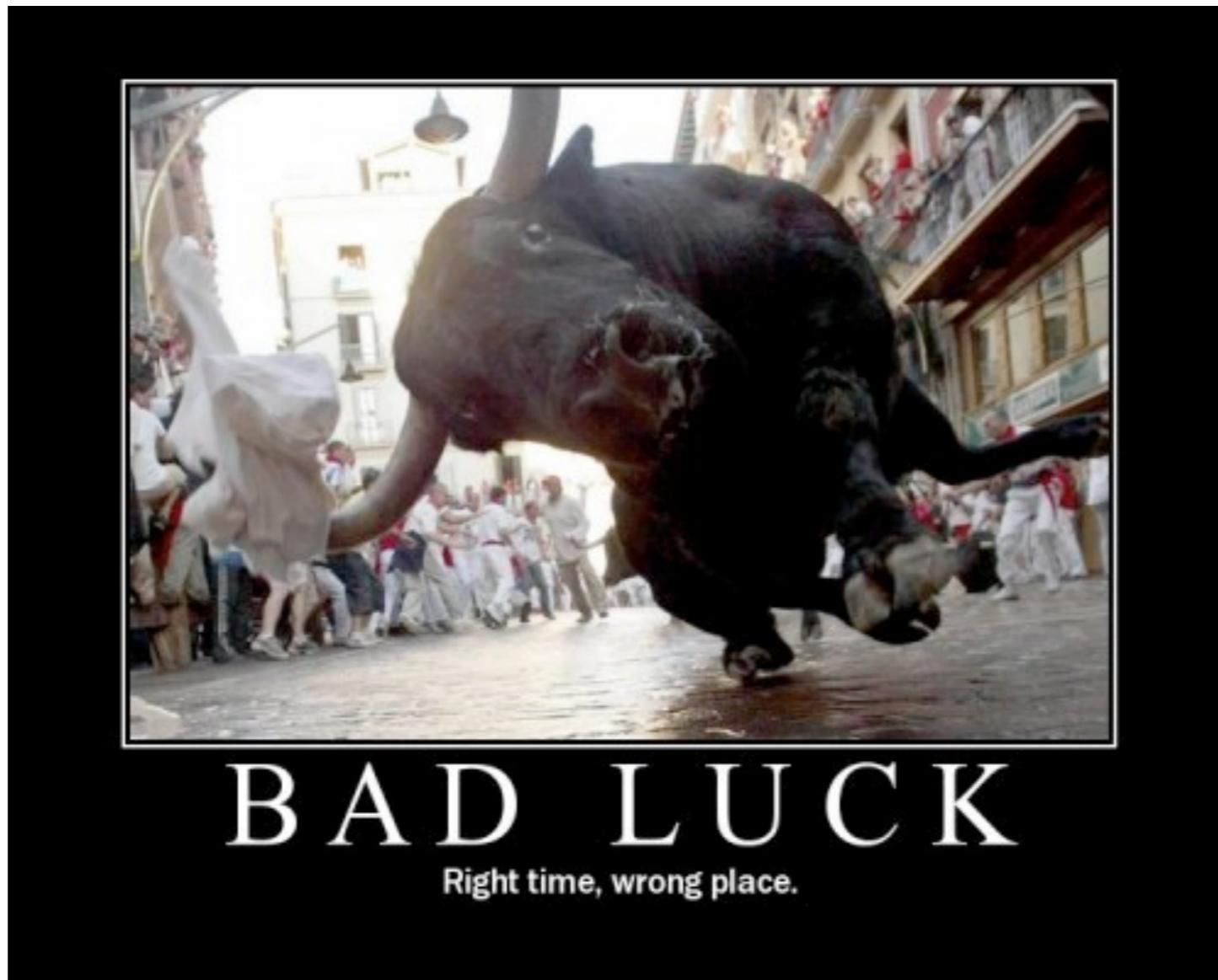


# What's new in CF9?

MAX

## ▪ CFMEDIAPLAYER

- Creates an inline media player that lets you play .FLV files.



## ■ CFMESSAGEBOX

- A user interface control for displaying pop-up messages.
- Can be used as an ‘alert’, ‘confirm’ or ‘prompt’
- Can be styled using CSS.
- Can specify text for each of the buttons.

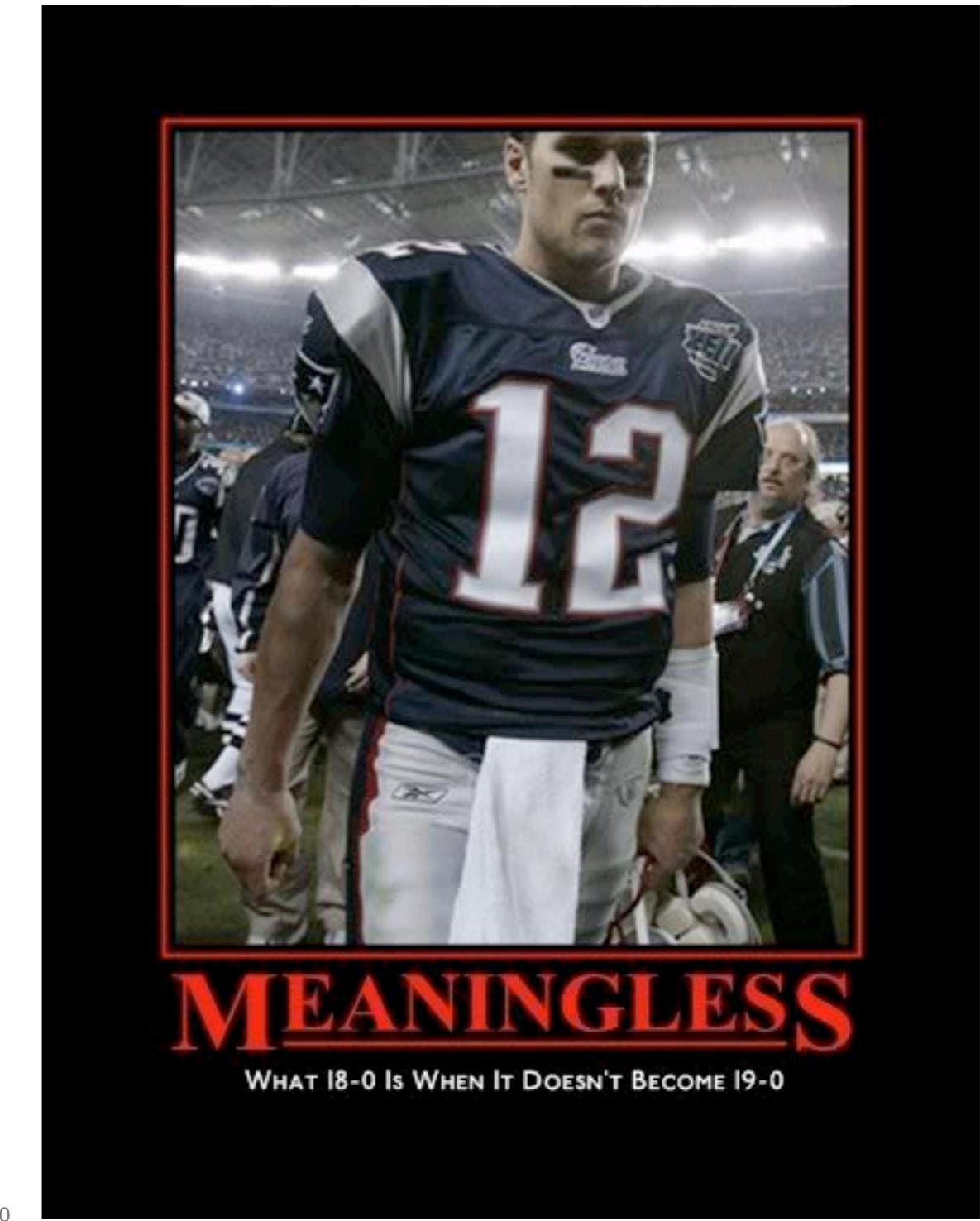


# What's new in CF9?

MAX

## ▪ CFGRID

- Puts a nifty little grid to display tabular data on your page.
  - Can be sortable
  - Can be pagable
- Now using EXT JS 3.0
- Data can be displayed using
  - CFQUERY attribute
  - Making remote calls to retrieve data.



## ■ CFWINDOW

- Used to display a pop-up window in your page.
- Can be styled using CSS.
- Can have static content or have content loaded using an AJAX call to server.

Transparency Worksheet 23  
FAIL Hard and Soft Water

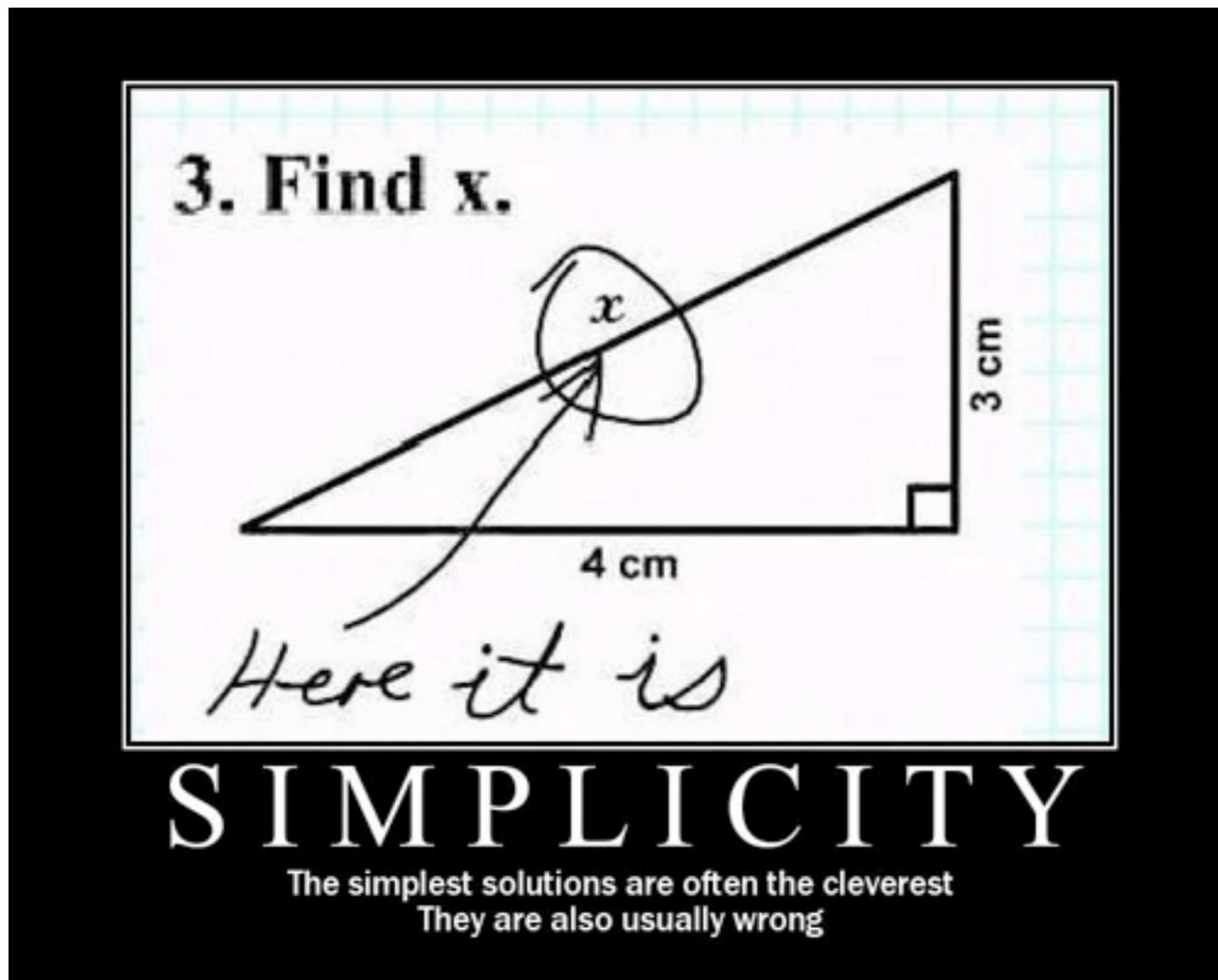
1. Briefly explain what hard water is.  
*ice*

2. **failblog.org** Calcium is one of the solids dissolved in ocean water. Describe two ways by which calcium and magnesium enter the ocean.

# Some ‘old’ AJAX Stuff

## ■ CFLAYOUT

- Easily allows you to create sophisticated layouts.
- Can be used for a tabbed interface or accordion pane.

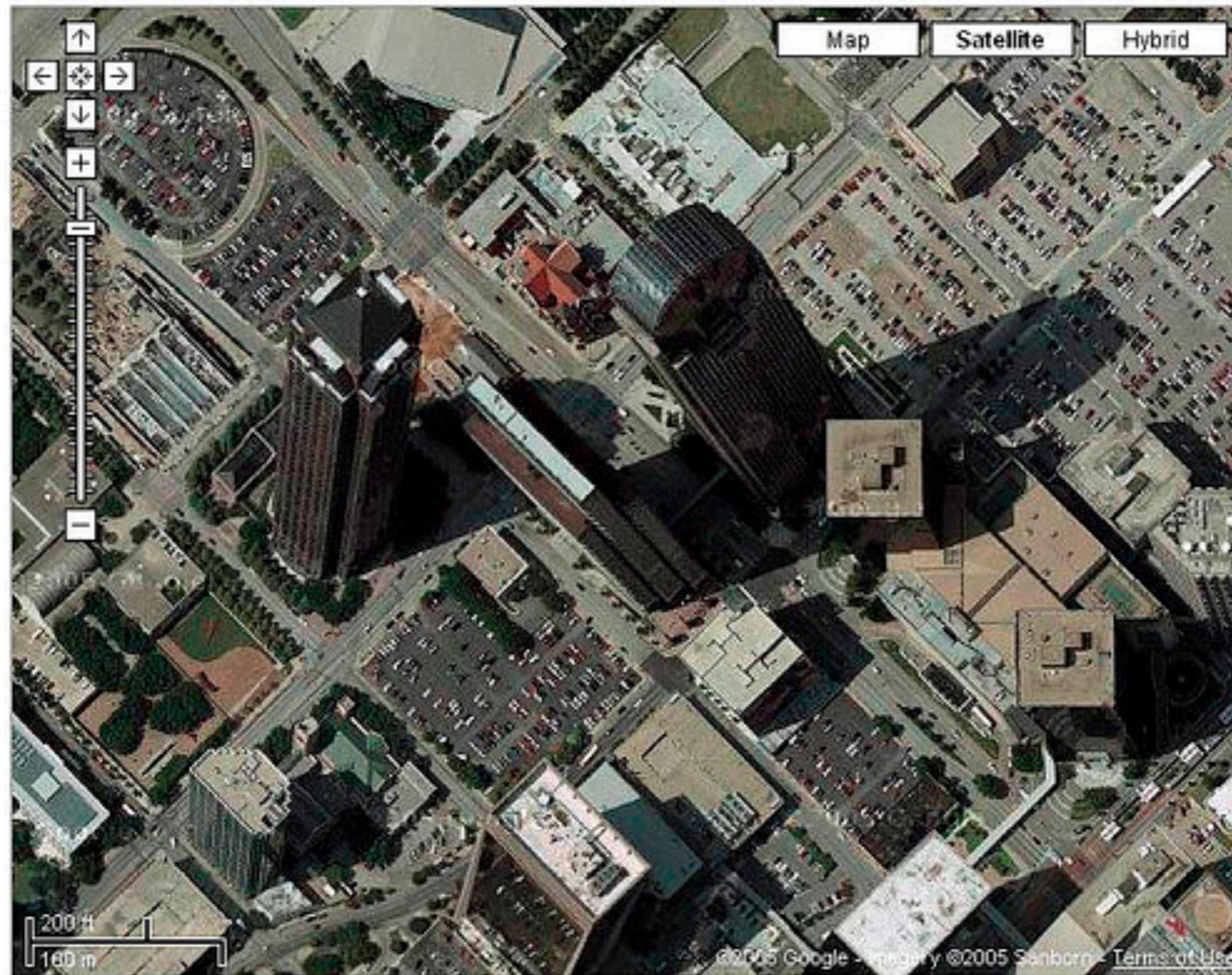


# How can we tie these together with jQuery?

- With each AJAX control, we have access to the underlying JavaScript object.
  - Such as the EXT JS grid object.
- We also have access to any HTML elements that have been created
  - These elements can be ‘selected’ using jQuery and manipulated using the built in ColdFusion JavaScript or jQuery



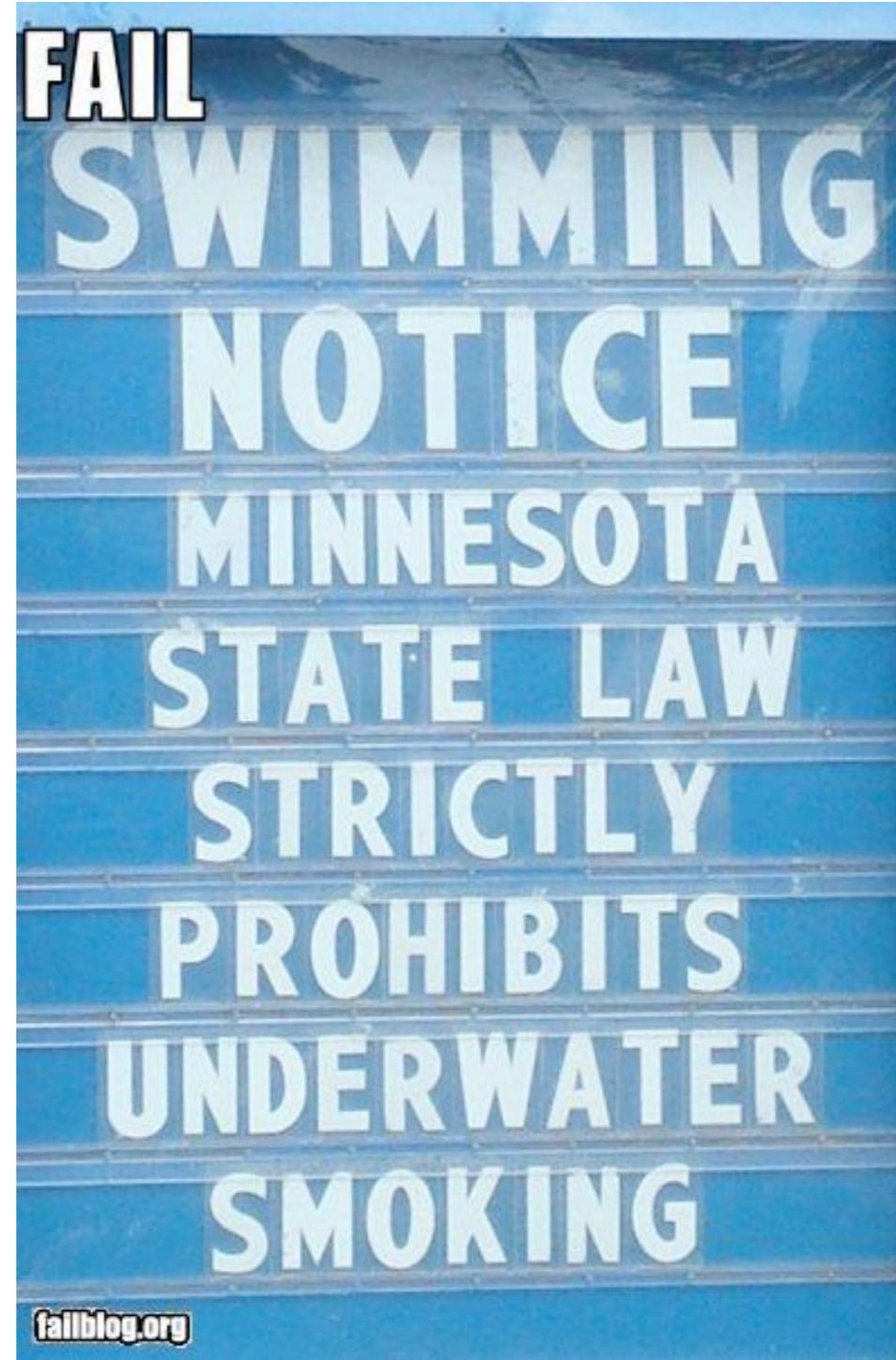
- Using the ‘onload’ attribute of CFMAP, we can fire off a JavaScript function.
- Inside that function, we can use jQuery to manipulate items on the map.



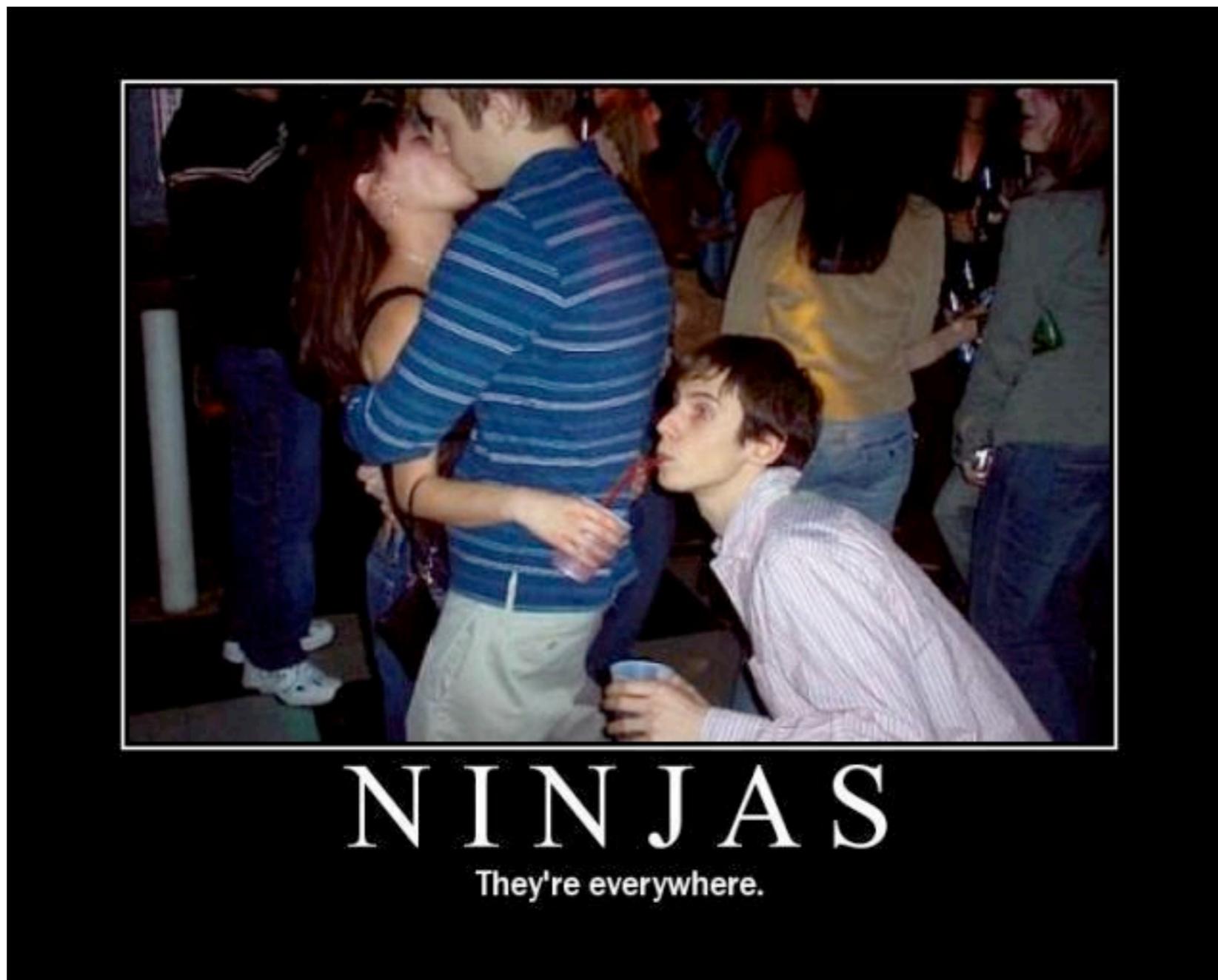
- We can use jQuery events to set up different controls for the media player.



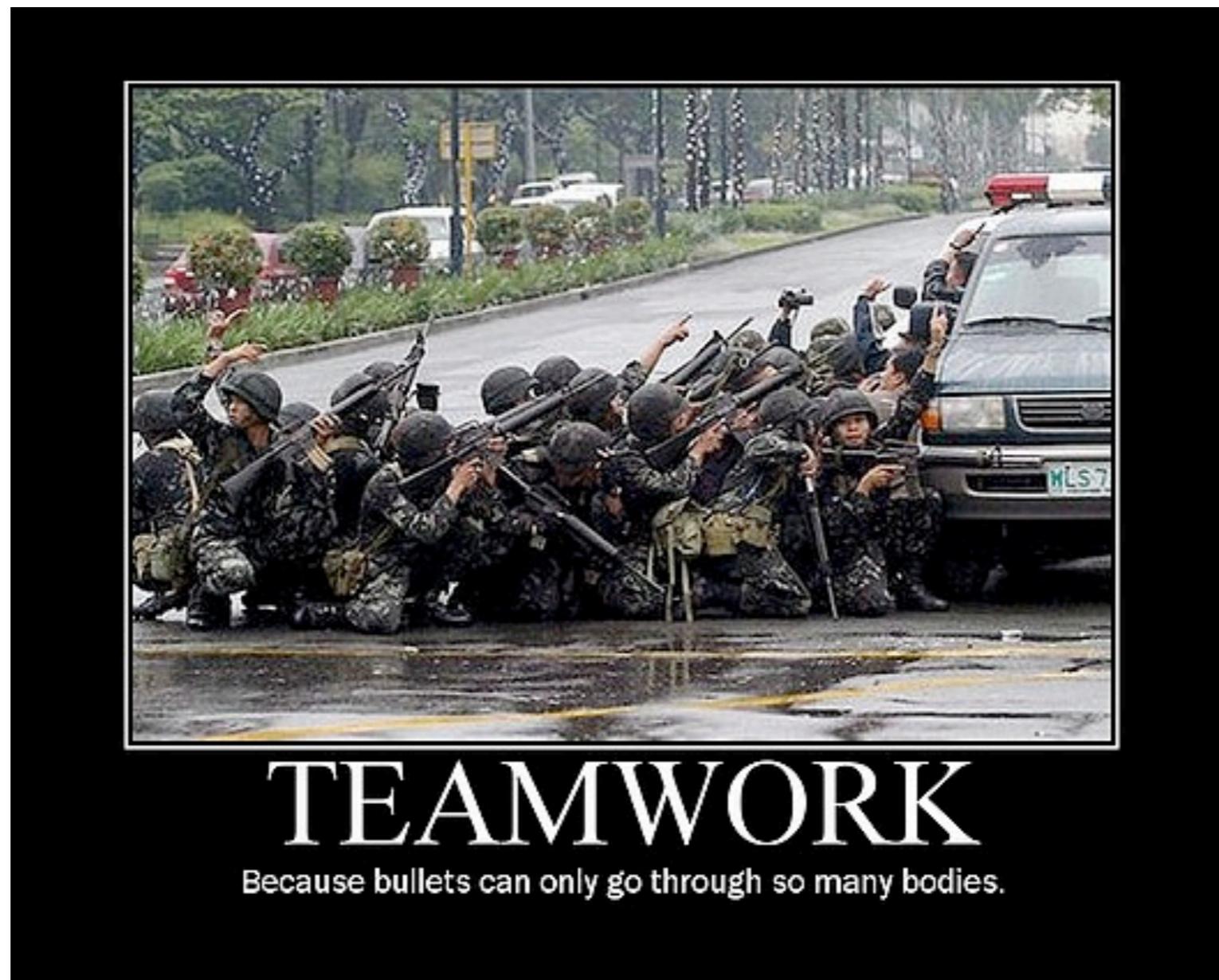
- Using jQuery events, we can tie user interactions to the message box more easily.



- We can use jQuery to enhance the user experience with CFGRID.
  - For example, adding ‘filter as you type’ search functionality.



- We can use jQuery to manipulate the content of CFWINDOW.
  - Update static content.
  - Use jQuery to fetch content using AJAX.
  - Use jQuery events to fire off ColdFusion JavaScript to update content.



- We can use jQuery to manipulate the content of CFLAYOUT.
  - Update static content.
  - Use jQuery to fetch content using AJAX.
  - Use jQuery events to fire off ColdFusion JavaScript to update content.



- The one thing I want you to take away from this is:
  - Using jQuery or ColdFusion AJAX controls do not have to be, nor should they be, mutually exclusive.



## TEAMWORK

**Large ambitious goals usually require that people work together.**

- ColdFusion 9
  - [http://help.adobe.com/en\\_US/ColdFusion/9.0/Developing/index.html](http://help.adobe.com/en_US/ColdFusion/9.0/Developing/index.html)
- jQuery
  - <http://www.jquery.com>
- Alagad Blog
  - <http://www.alagad.com>
- My Blog
  - <http://www.boyzoid.com>

