

Patrick Crowley

the.railsi.st

Mobile web apps using jQueryTouch

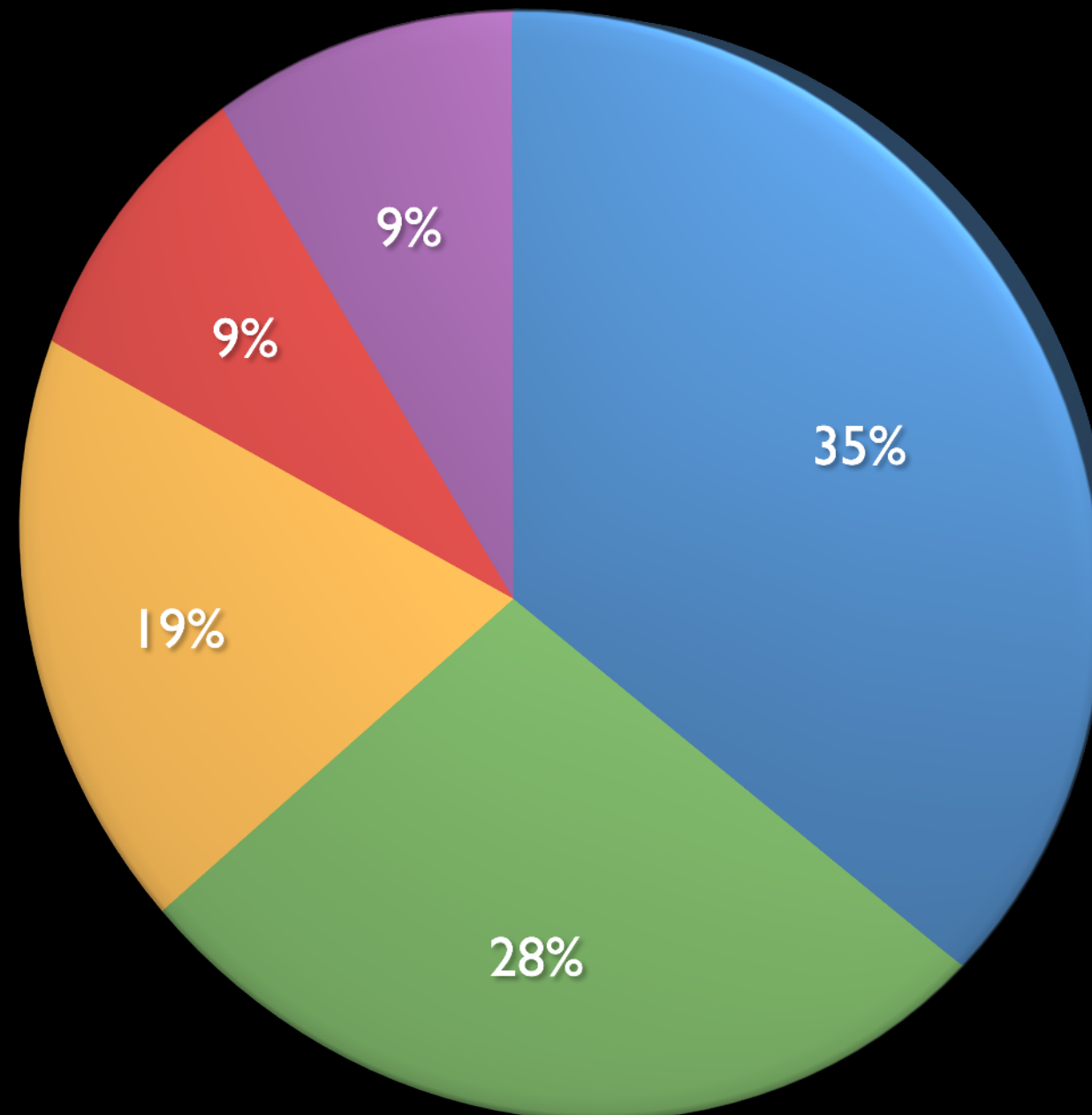
**What's your
mobile strategy?**

- **Website (aka “give up”)**
- **Website + mobile stylesheet**
- **Native apps for iPhone and Android (awesome, but \$\$\$)**

- **Optimize for mobile displays**
- **Reduce page load time**
- **Reduce network traffic**
- **Support gestures**

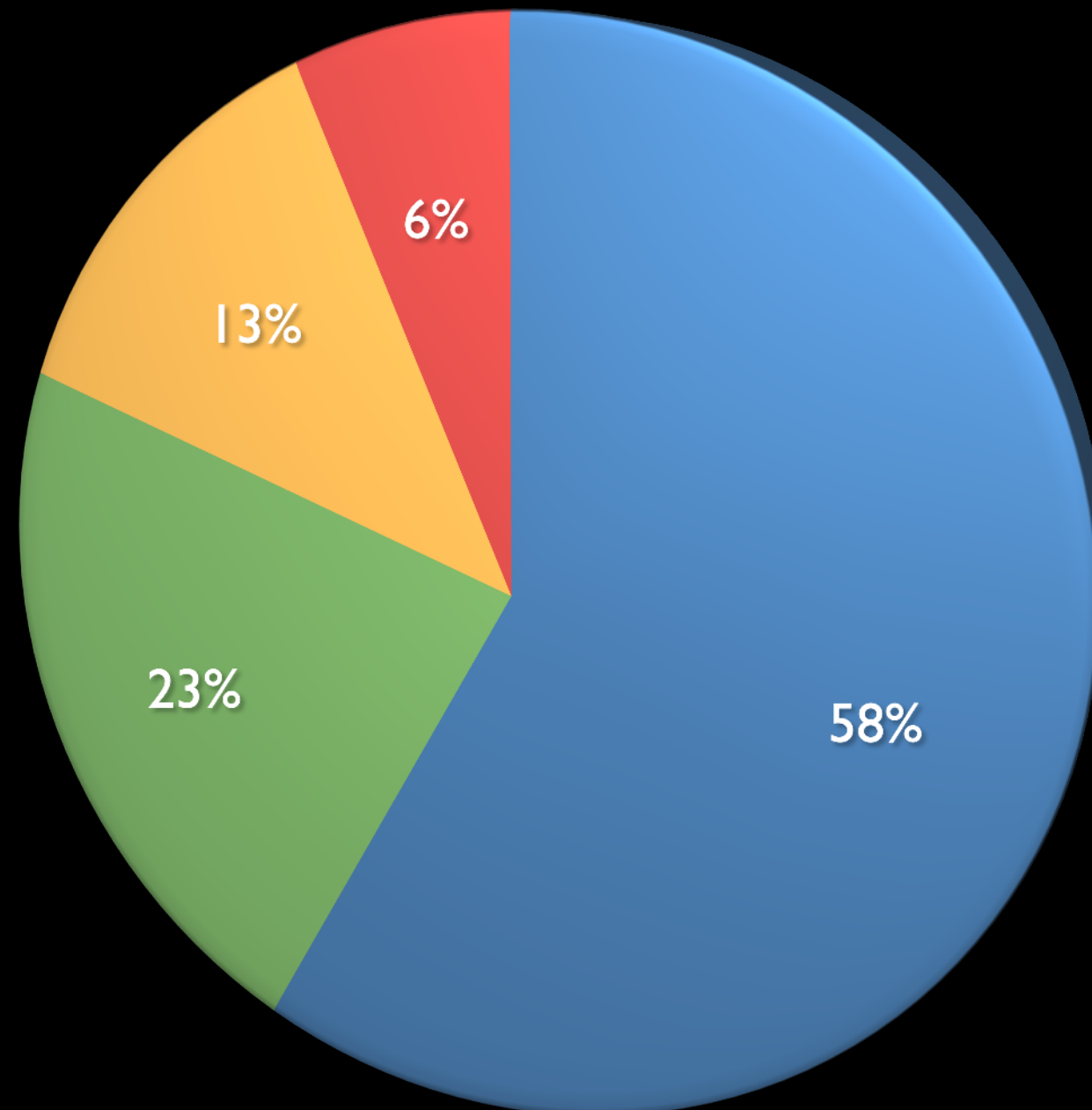
Smartphone Market Share

● RIM ● iPhone ● Windows ● Android ● Other



Mobile Browser Usage

● iPhone ● Android ● RIM ● Other



What does this mean?

- **Website (aka “do nothing”)**
- **Website + mobile stylesheets**
- **Native apps for iPhone and Android (awesome, but \$\$\$)**
- **Website + mobile web app**

Mobile strategy = Webkit

**Target mobile browsers
people actually use.**

- **More than 81% of mobile browser traffic**
- **iOS (iPhone + iPod Touch)**
- **Android (1.5 and up)**
- **WebOS (Palm -> HP)**
- **Blackberry (future)**

What about... ?!?!?









RYAN DANNER

hitting the new indoor park, rad!
6:01PM Twitter

LORI K.

making random videos.
6:36PM Facebook

MTV BUZZWORTHY

Vintage Videos: Best
Over-The-Top Pop Duets
6:28PM

TIANNA J.

18 good reasons to stay out
all night. So who's in?
6:10PM Facebook

DYLAN M.

RECENT

6:43



Who cares?

**Browsing already
sucks on these phones**

**So optimize for
awesome phones!**

Why Webkit?

- **Web standards**
- **Consistent rendering**
- **Support for HTML5**
- **Animation**
- **Offline caching**

jQueryTouch

**Web apps with native
look and feel**

jQuery + jQTouch + HTML

jQueryTouch 101

1. Getting started

```
<script type="text/javascript" src="http://www.google.com/
jsapi"></script>
```

```
<script type="text/javascript"> google.load("jquery",
"1.3.2");</script>
```

```
<script src="jqtouch/jqtouch.min.js" type="application/x-
javascript" charset="utf-8"></script>
```

```
<style type="text/css" media="screen">@import "jqtouch/
jqtouch.min.css";</style>
```

```
<style type="text/css" media="screen">@import "themes/jqt/
theme.min.css";</style>
```

```
$.jQTouch({  
    icon: 'jqtouch.png',  
    statusBar: 'black-translucent',  
    preloadImages: [  
        'themes/jqt/img/chevron_white.png',  
        'themes/jqt/img/bg_row_select.gif',  
        'themes/jqt/img/back_button_clicked.png',  
        'themes/jqt/img/button_clicked.png'  
    ]  
});
```

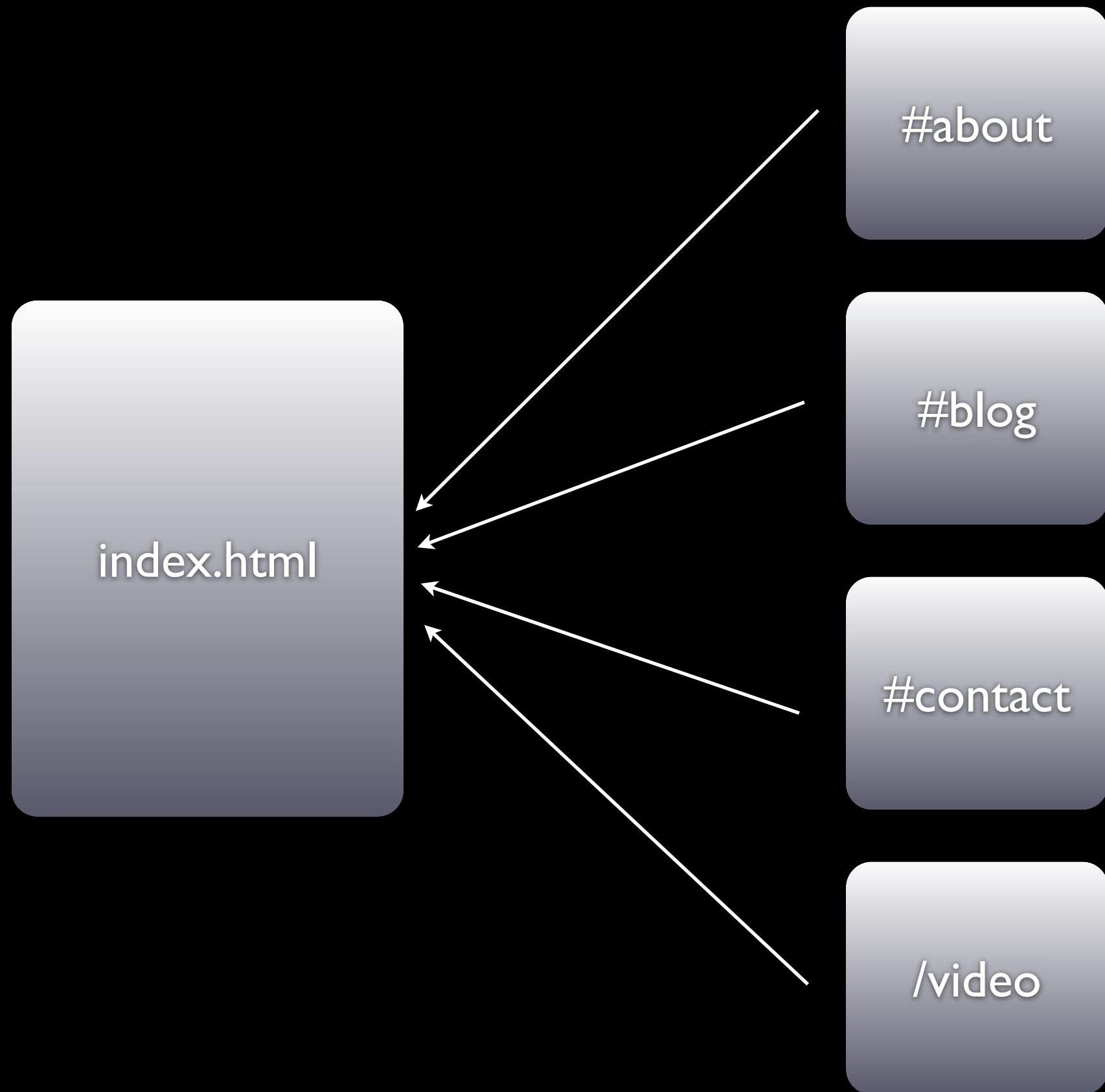
2. Basic page layout

index.html

```
<body>
  <div class="current" id="home">
    <div class="toolbar">
      <h1>jQTouch Demo</h1>
    </div>

    <!-- CONTENT GOES HERE -->

  </div>
</body>
```

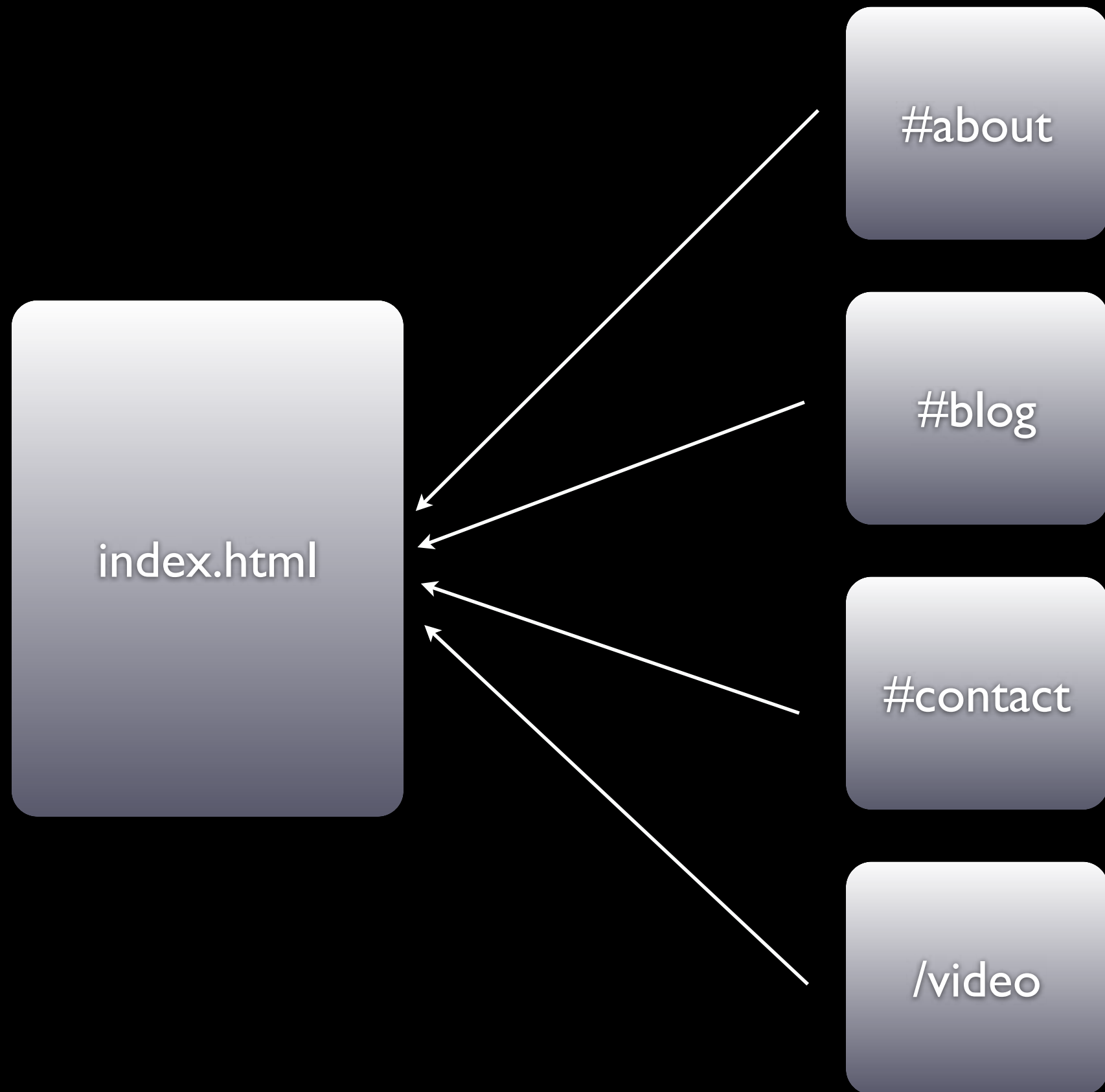


index.html

```
<div id="about">  
  <div class="toolbar">  
    <h1>About Us</h1>  
  </div>  
</div>
```

```
<div id="blog">  
  <div class="toolbar">  
    <h1>Blog</h1>  
  </div>  
</div>
```

```
<div id="about">  
  <div class="toolbar">  
    <h1>Contact Us</h1>  
  </div>  
</div>
```



video.html

```
<div id="video">  
  <div class="toolbar">  
    <h1>Video</h1>  
  </div>  
</div>
```

Markup-based UI

Classes => behavior

- **Toolbars**
- **Lists**
- **Buttons**
- **Forms**
- **Navigation**

Toolbar

```
<div id="about">  
  <div class="toolbar">  
    <h1>About Us</h1>  
  </div>  
</div>
```

```
<div id="blog">  
  <div class="toolbar">  
    <h1>Blog</h1>  
  </div>  
</div>
```

```
<div id="about">  
  <div class="toolbar">  
    <h1>Contact Us</h1>  
  </div>  
</div>
```

List

```
<ul class="rounded">
  <li class="arrow"><a href="#about">About Us</a></li>
  <li class="arrow"><a href="#blog">Blog</a></li>
  <li class="arrow"><a href="#contact">Contact Us</a></li>
  <li class="arrow"><a href="/video">Video</a></li>
</ul>
```

UI Demo

Sample app

Debugging

- **iPhone Simulator**
- **Android Simulator**
- **Actual devices!!!**

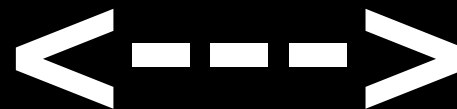
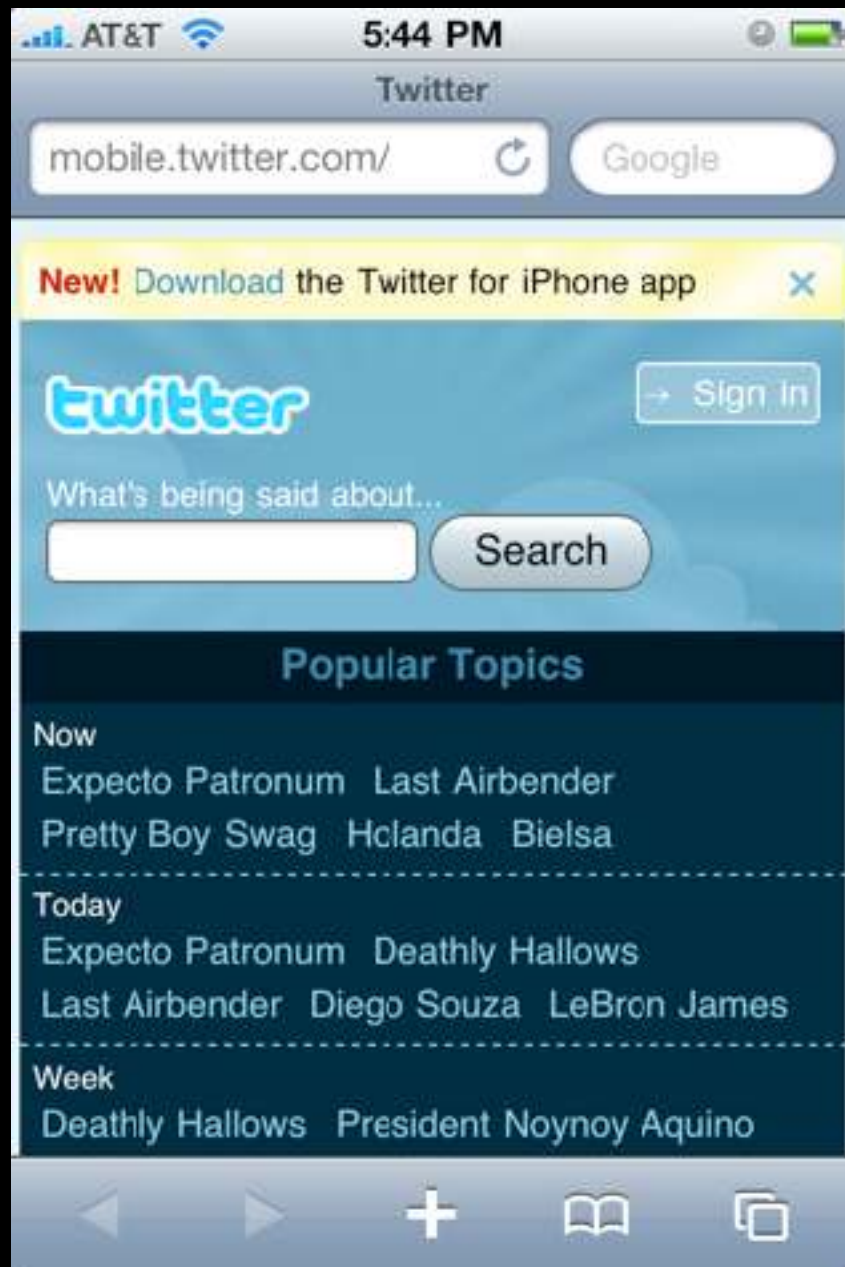
Mobile detection

```
// Mobile clients
if (navigator.userAgent.match(/Android/i) ||
    navigator.userAgent.match(/webOS/i) ||
    navigator.userAgent.match(/iPhone/i) ||
    navigator.userAgent.match(/iPod/i)) {

    // Redirect to mobile app
    location.href = "/mobile";

}
```

Version switching



Dynamic content filters

```
// Disable links
$('.page').live('pageAnimationStart',
function(){
    $('p a').attr("href", "");
});
```

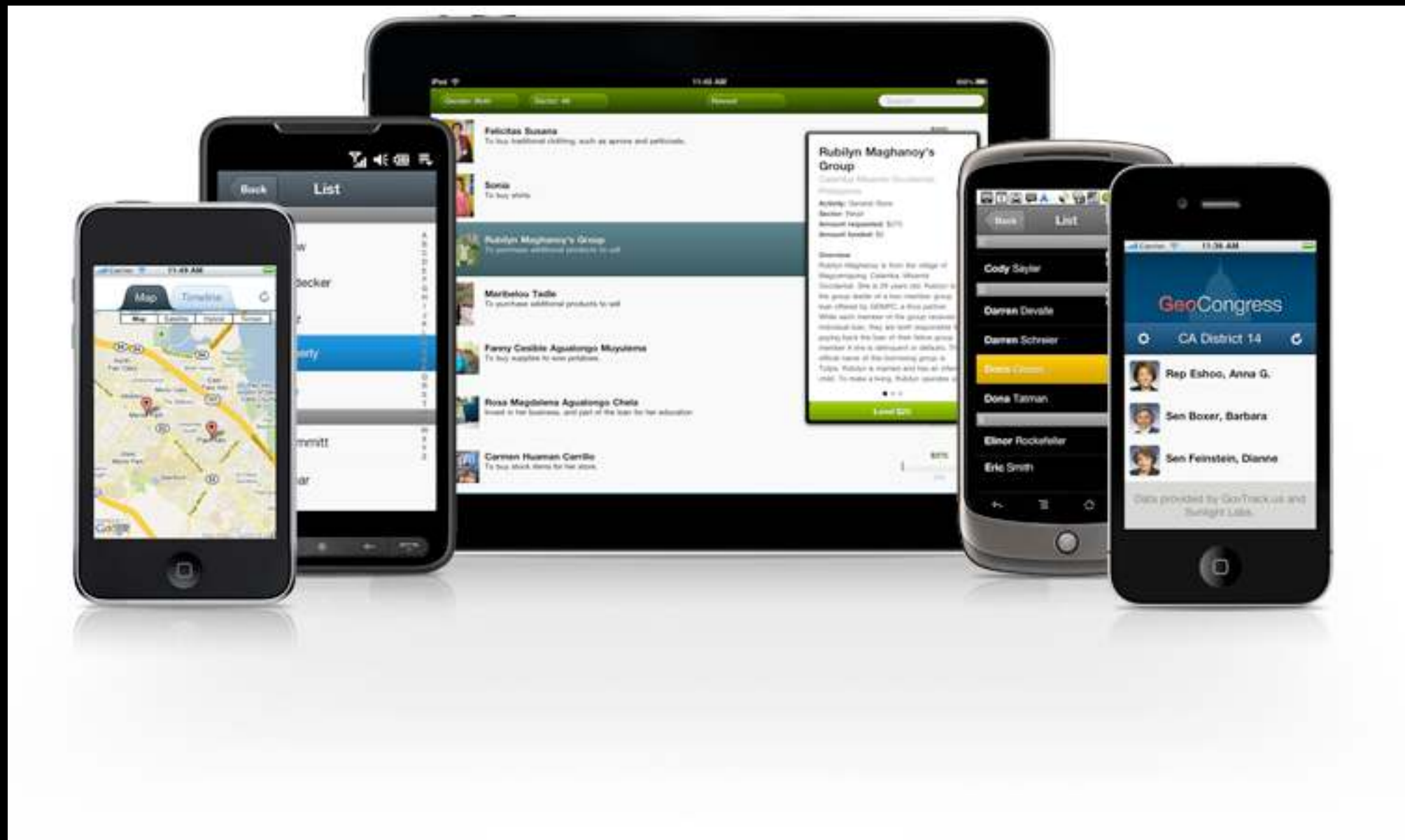
Resources

- jqtouch.com
- github.com/senchalabs/jQTouch
- peepcode.com/products/jqtouch
- glyphish.com

Coming soon



Sencha



Ext JS + jQuery Touch + Raphaël

New roadmap and maintainer for jQTouch

The End