

# **Appleless iPhone Apps**

**...without the App  
Store**

**...without  
Objective-C**

**...using web  
technology**

# **HTML5 & CSS3**

**And it works  
without a  
connection!**

**Demo**





**Technology**

- **HTML & CSS**
- **HTML5 offline applications**
- **Meta tags to hide status bar**
- **Touch icon**
- **Touch events**

# Offline Applications

```
<html manifest="rubiks.manifest">
```

# CACHE MANIFEST

**/demo/rubiks/style.css**

**/demo/rubiks/jquery.min.js**

**/demo/rubiks/rubiks.js**

**# version (busting)**

# **First Load**

- 1. Requests all resources**
- 2. Parses manifest**
- 3. Reloads and stores/caches all resources (not sure why)**
- 4. Now ready**

# **Subsequent load**

**1. Request manifest**

**2. Checks for changes in manifest**

**3. If changed:**

- **Reload all resources and cache locally**

**4. else**

- **Load client with local resources**

# Home Screen App

- **Touch icon 73x73:**

```
<link rel="apple-touch-icon"  
href="apple-touch-icon.png" />
```

- **Web app capable meta tags**

```
<meta name="apple-mobile-web-app-  
capable" content="yes" />
```

```
<meta names="apple-mobile-web-app-  
status-bar-style" content="black-  
translucent" />
```



# Touch Events

- **mousedown => touchstart**
- **mouseup => touchend**
- **mousemove => touchmove**
- **within event.touches[0]**

# Simple jQuery

```
$(document).bind('touchstart',  
function (evt) {  
    // jquery creates a bespoke event  
    evt = evt.originalEvent.touches[0];  
}  
);
```

# Simple jQuery

```
$(document).bind('touchstart',  
function (evt) {  
    // jQuery creates a bespoke event  
    evt = evt.originalEvent.touches[0];  
}  
);
```

# Detecting iPhones

```
var iPhone =  
    RegExp(" AppleWebKit/")  
    .test(navigator.userAgent)  
&&  
    RegExp(" Mobile/")  
    .test(navigator.userAgent);
```

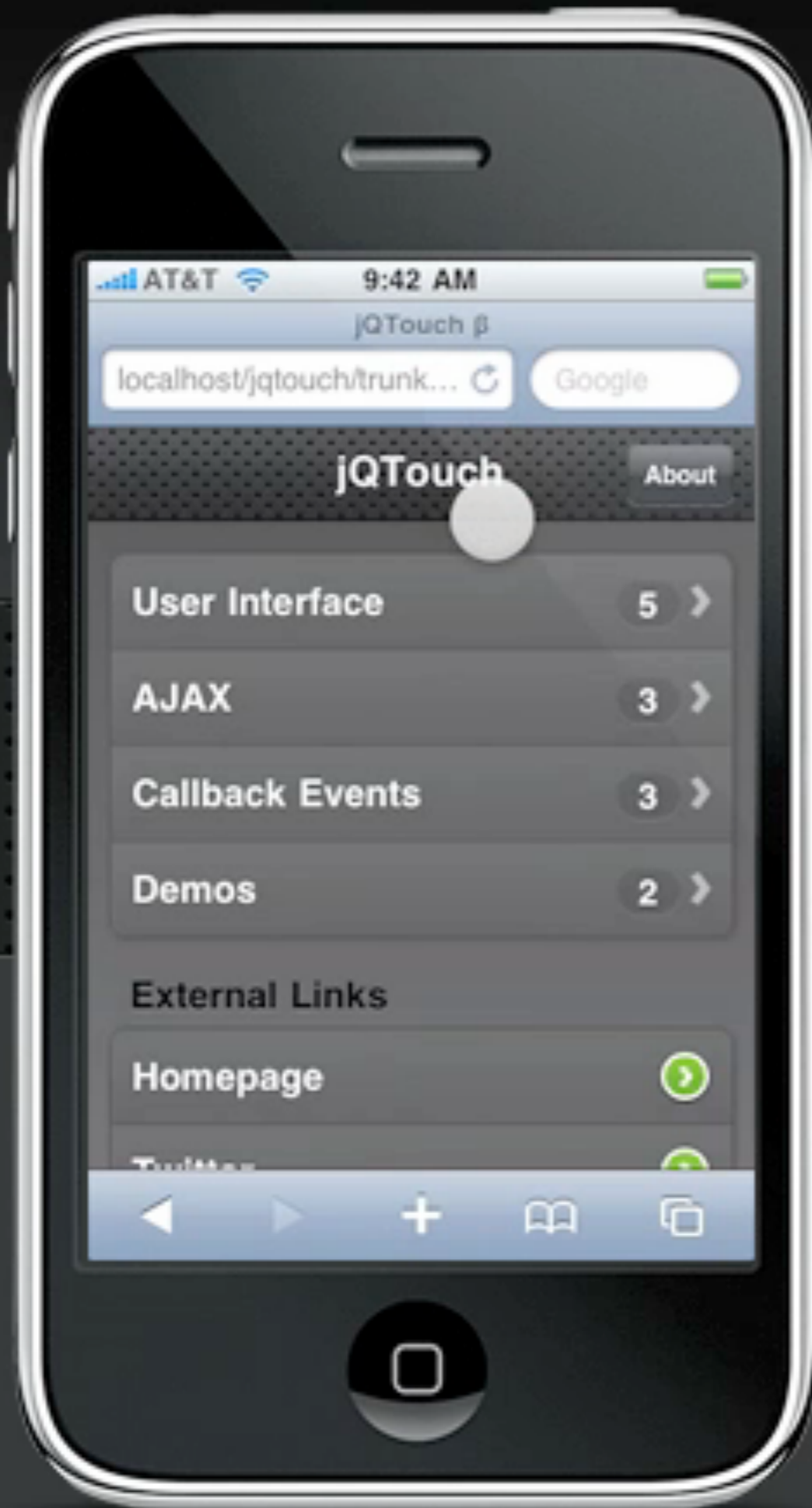
# Detecting iPhones

```
var iPhone =  
  RegExp(" AppleWebKit/")  
  .test(navigator.userAgent)  
&&  
  RegExp(" Mobile/")  
  .test(navigator.userAgent);
```

# **Native Look**

- **iUi - older, doesn't do native CSS transforms**
- **jqTouch - jQuery does do native CSS transforms**

[jqtouch.com](http://jqtouch.com)





**But also:**

- **Geolocation**
- **Offline storage: web database or storage**
- **Off/Online detection**
- **CSS 3D transforms & CSS transitions**
- **Canvas**

**Thanks!**

**Remy Sharp / @rem**

**<http://icanhaz.com/rubiks>**

