

PHP user group Stuttgart

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HTML 5 Apps

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herzog kommunikation GmbH 14.09.2011

Wer bin ich?

- Tobias Munk ([XING](#), [github](#))
- Geschäftsführer Technik [herzog kommunikation GmbH](#)
- Seit 2000 HTML Entwickler
- Seit 2002 PHP Entwickler

Warum HTML 5?

- Vertraute Umgebung
 - HTML + CSS + JavaScript
- Hohe Flexibilität
- Cross-Plattform
- Kein Nachladen von Code unter iOS 4

IDE & Tools

iPhone & iPad

- Xcode
- iOS Simulator
 - `~/Library/Application Support/iPhone Simulator/4.3/Applications/2E43BC414-1234-ABCD-87CD-256863C30172`
- Safari

Android

- SDK Download
- Simulator

HTML-CSS-JavaScript Frameworks

jQueryMobile

- Website
- Demos and Documentation
- Achtung!
 - Quelltext ist nicht gleich Quelltext

jQueryMobile

```
<div data-role="fieldcontain">
  <fieldset data-role="controlgroup">
    <legend>Choose a pet:</legend>
    <input type="radio" name="radio-choice-1" id="radio-choice-1" value="choice-1"
checked="checked" />
    <label for="radio-choice-1">Cat</label>

    <input type="radio" name="radio-choice-1" id="radio-choice-2" value="choice-2" />
    <label for="radio-choice-2">Dog</label>

    <input type="radio" name="radio-choice-1" id="radio-choice-3" value="choice-3" />
    <label for="radio-choice-3">Hamster</label>

    <input type="radio" name="radio-choice-1" id="
    <label for="radio-choice-4">Lizard</label>

  </fieldset>
</div>
```

```
▼ <div data-role="fieldcontain" class="ui-field-contain ui-body u
  ▼ <fieldset data-role="controlgroup" class="ui-corner-all ui-co
  vertical">
    <div role="heading" class="ui-controlgroup-label">Choose a
  ▼ <div class="ui-controlgroup-controls">
    ▼ <div class="ui-radio">
      <input type="radio" name="radio-choice-1" id="radio-choice-1" value="choice-1" checked=
      "checked">
      ▼ <label for="radio-choice-1" data-theme="c" class="ui-btn ui-btn-icon-left ui-radio-on
      ui-corner-top ui-btn-down-c ui-btn-up-c">
        ▶ <span class="ui-btn-inner ui-corner-top">...</span>
      </label>
    </div>
    ▶ <div class="ui-radio">...</div>
    ▶ <div class="ui-radio">...</div>
    ▶ <div class="ui-radio">...</div>
  </div>
</fieldset>
</div>
```

- Cat
- Dog
- Hamster
- Lizard

jQueryMobile

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="http://code.jquery.com/mobile/1.0b3/jquery.mobile-1.0b3.min.css" />
    <script type="text/javascript" src="http://code.jquery.com/jquery-1.6.3.min.js"></script>
    <script type="text/javascript" src="http://code.jquery.com/mobile/1.0b3/jquery.mobile-1.0b3.min.js">
  </script>
</head>
<body>

<div data-role="page">

  <div data-role="header">
    <h1>Page Title</h1>
  </div><!-- /header -->

  <div data-role="content">
    <p>Page content goes here.</p>
  </div><!-- /content -->

  <div data-role="footer">
    <h4>Page Footer</h4>
  </div><!-- /footer -->
</div><!-- /page -->

</body>
</html>
```

Sencha Touch

- Website
- Demo: Kitchen Sink
- „Nur“ JavaScript zum Seitenaufbau

```
demos.Forms = new Ext.TabPanel({
  items: [{
    title: 'Basic',
    xtype: 'form',
    id: 'basicform',
    scroll: 'vertical',
    items: [{
      xtype: 'fieldset',
```

```
xtype: 'fieldset',
title: 'Favorite color',
defaults: {
  xtype: 'radiofield',
  labelWidth: '35%'
},
items: [{
  name: 'color',
  value: 'red',
  label: 'Red'
```

„Native Apps“ Frameworks

Appcelerator Titanium

- Website
- Eigener Compiler

PhoneGap

- Website
- Features
- Template-Projekte für unterschiedliche OS
 - startet mit index.html

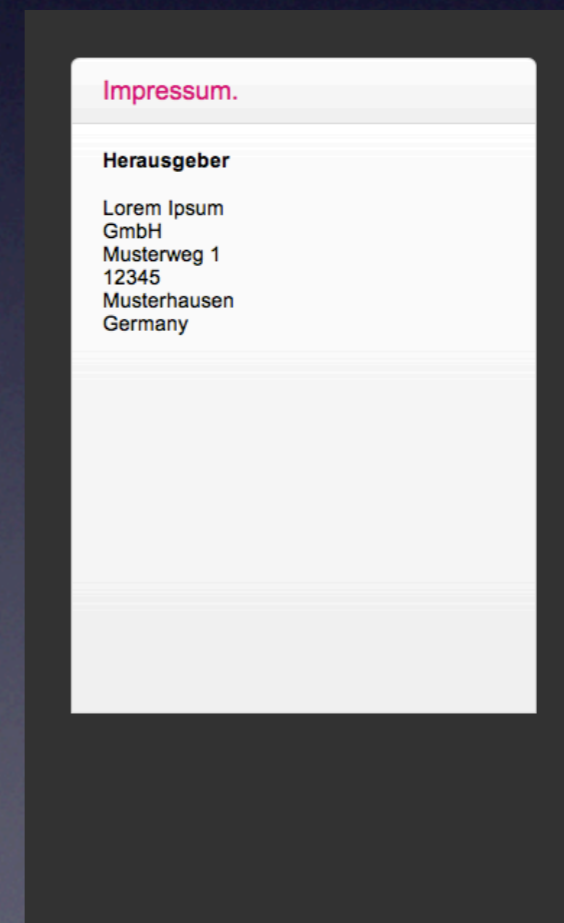
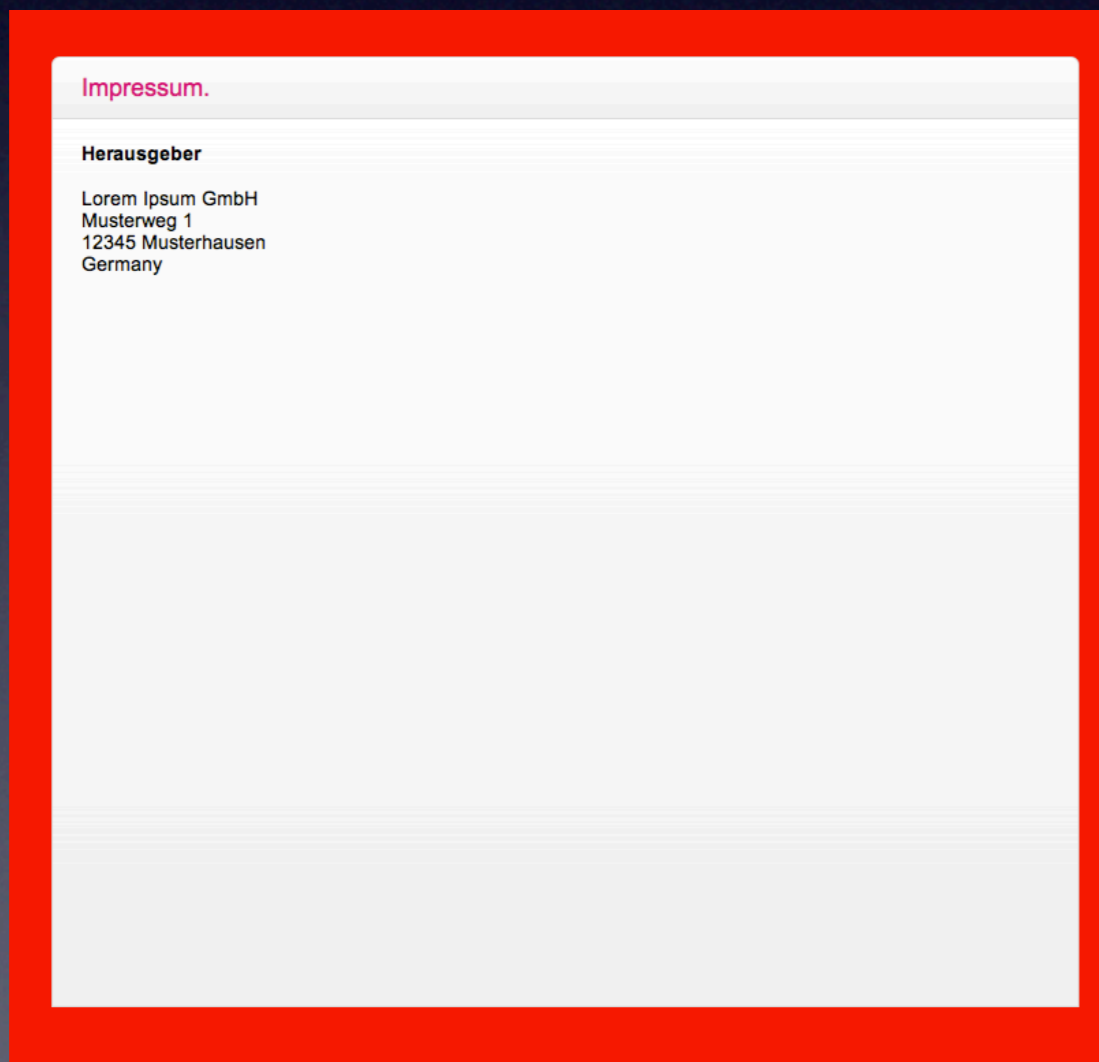
Viewport

- Default: 980px width
- `<meta name="viewport" content="width=320, initial-scale=1.0, maximum-scale=1.0, user-scalable=1" />`
- Quelle



CSS

- `<link rel='stylesheet' media='screen and (min-width: 801px)' href='assets/custom-fullscreen.css' />`



Pitfalls

- Events
 - onmouseover
 - pan
- Mobile Network Proxies komprimieren Bilddaten
- Memory Management

Beispiele

iPad Live-Demo

Fragen?

Danke!