

HTML BASICS FOR DATA WARRIORS

HTML



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The web

CONTENT

HTML



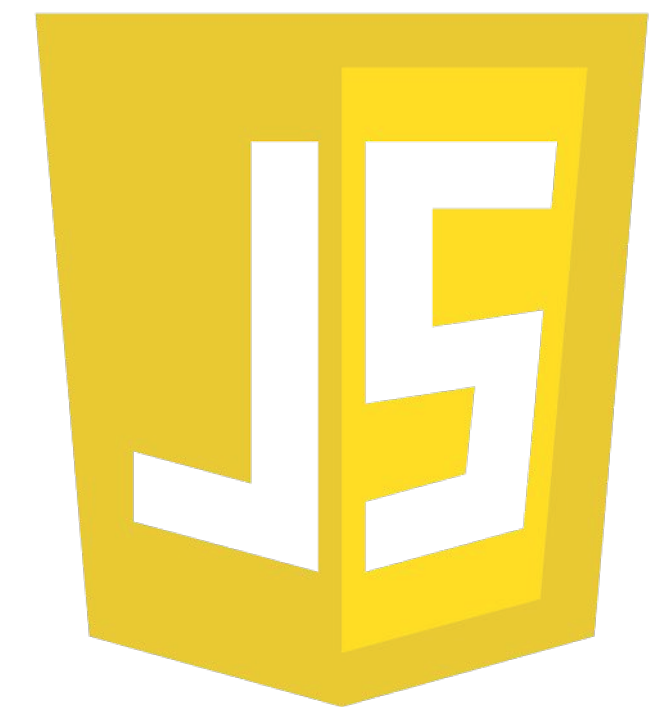
STYLE

CSS



LOGIC

JS



HTML features



- HTML: Hypertext Markup Language
- 5th revision: semantic!
- Not a programming language
- Used by web pages and applications
- Understood by browsers
- `<tagged>` contents with attributes
- Hierarchical structures: parents, childs, siblings

Tags

Tag structure

`<tag attr="value" attr="value">content</tag>`

`<p class="main">Hello ironhackers!</p>`

Metadata content

`<link>` `<meta>` `<noscript>` `<script>`
`<style>` `<title>`

Sectioning content

`<article>` `<aside>` `<nav>` `<section>` `<main>`
`<header>` `<footer>`

Types of contents

Heading content

<h1> <h2> <h3> <h4> <h5> <h6> <hgroup>

Phrasing content

<abbr> <audio> **** <bdo>
 <button> <canvas> <cite>
<code> <command> <data> <datalist> <dfn> <embed> <i>
<iframe> **** <input> <kbd> <keygen> <label> <mark> <math>
<meter> <noscript> <object> <output> <picture> <progress>
<q> <ruby> <samp> <script> <select> <small>
<sub> **<sup>** <svg> <textarea> <time> <var> <video> <wbr>

Types of contents

Embedded content

<audio> **<canvas>** **<embed>** **<iframe>** **** **<math>** **<object>**
<picture> **<svg>** **<video>**

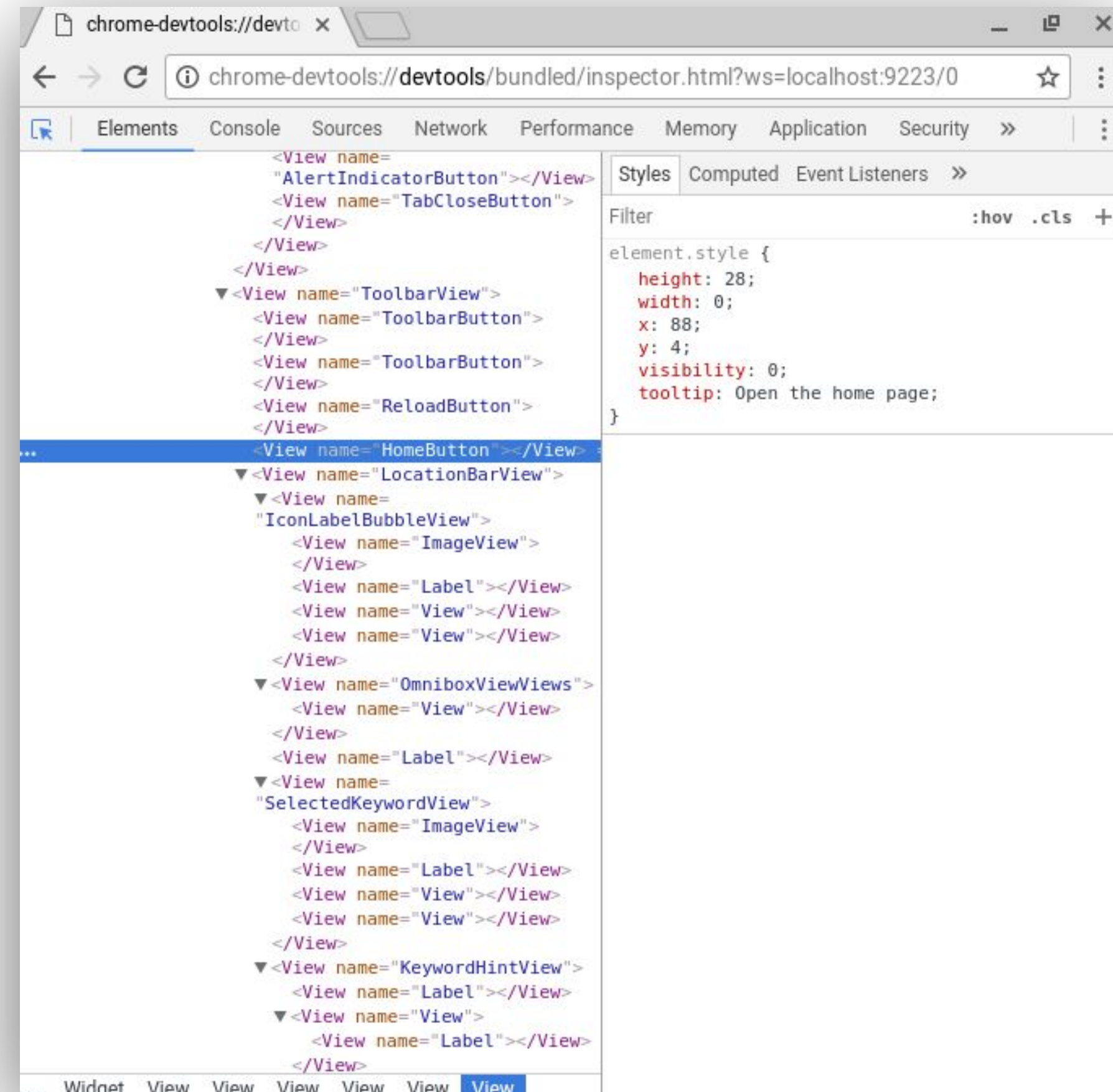
Types of contents

Tabulated content

```
<table> <thead> <tbody>  
  <tr> <td> <th>
```

Chrome Dev Tools

PRACTICE: website inspection



Selecting techniques

Basic

Tag selecting
Attr selecting
Content selecting

Advanced

Descendants
Direct descendants
Combined
Siblings
Child number

JS / BS equivalence

JS

```
document.querySelectorAll("p")
```

```
document.querySelectorAll("p a")
```

```
document.querySelectorAll("p > a")
```

```
document.querySelectorAll("p > a:nth-of-type(2)")
```

BS

```
soup.select("p")
```

```
soup.select("p a")
```

```
soup.select("p > a")
```

```
soup.select("p > a:nth-of-type(2)")
```

Selection techniques

PRACTICE: website cloning & scraping



rcdb.com

Ask me!



Questions? GO!



THANK YOU!