learn to code

structure your web pages with HTML

Laura Gaetano & Floor Drees

http://bit.ly/1baYO7a

You will need a plain text editor in order to edit HTML files. We suggest downloading and using Sublime: http://www.sublimetext.com/2

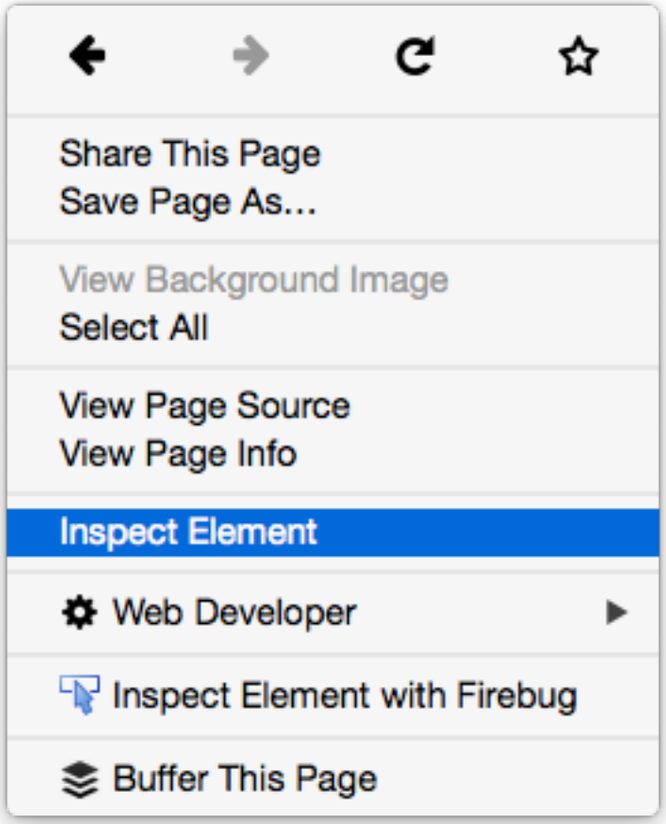
“You can think of HTML as the skeleton that gives every webpage structure.”

– someone with knowledge of how the web works

You can write your web application in any programming language you fancy, but in the end it will always be transformed into HTML.

we are hacking Facebook

a little



The keyboard shortcut for Firefox is command key (⌘) and 'u',
and alt/option key (⌥), command key (⌘), and 'i' if you're using Safari or Chrome.

Inspector - https://www.facebook.com/

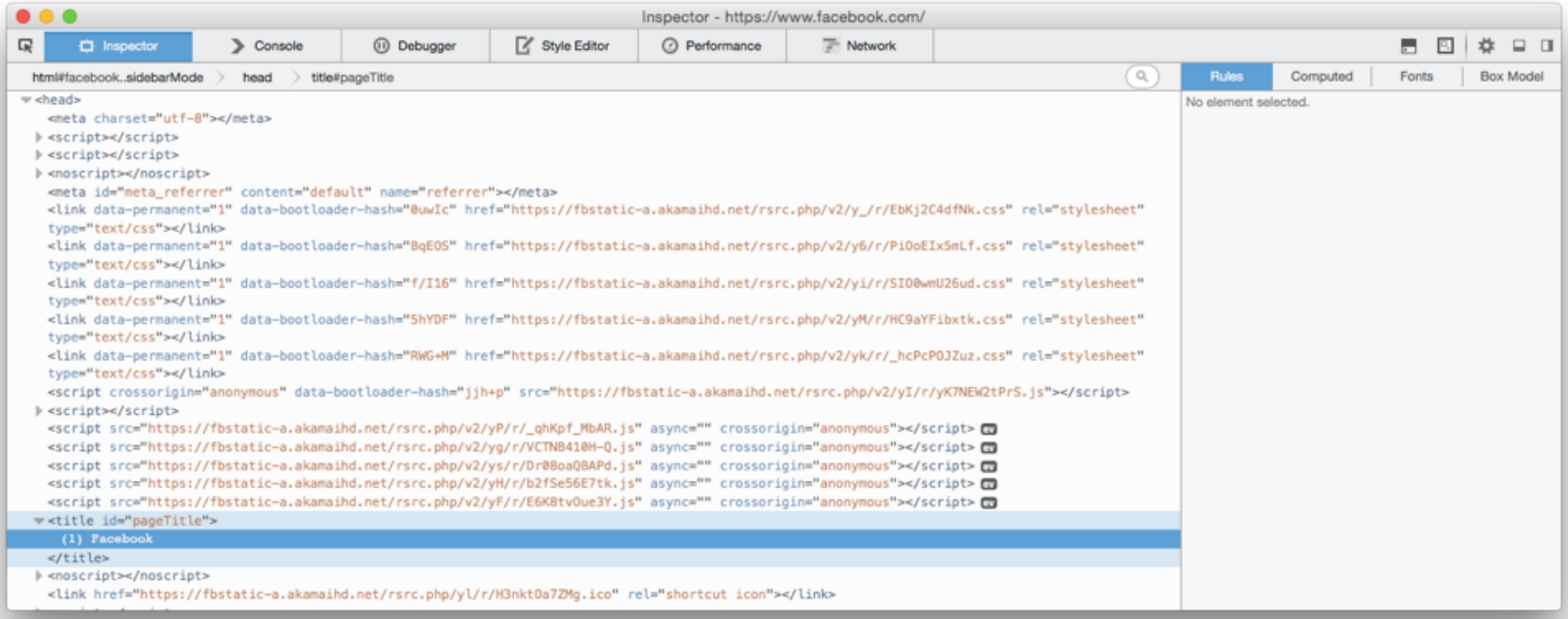
Inspector | Console | Debugger | Style Editor | Performance | Network

leNav > div > div#pagesNav.homeSideNav > ul._bui.nonDroppableNav._3-8w._3-96 > li#navItem_718926711528859.sideNavItem.s... > div > div.clearfix

```
<!DOCTYPE html>
<html id="facebook" class=" sidebarMode" lang="en"> ev
 <head></head>
 <body class="hasLeftCol home composerExpanded _5vb_ fbx _5p3y gecko mac x1 Locale_en_US" dir="ltr"> ev
  <div class="_li">
   <div id="pagelet_bluebar" data-click-phase="0" data-click="bluebar" role="banner"></div>
   <div id="globalContainer" class="uiContextualLayerParent">
    <div id="content" class="fb_content clearfix " role="main">
     <div>
      <div id="toolbarContainer" class="hidden_elem"></div>
      <div id="mainContainer">
       <div id="leftCol">
        <div id="pagelet_welcome_box" data-click-phase="0" data-click="Welcome_box" data-referrer="pagelet_welcome_box"></div>
        <div id="pagelet_navigation" data-click-phase="2" data-click="Bookmark" data-referrer="pagelet_navigation">
         <div class="_55y4">
          <div id="sideNav" class="uiFutureSideNav" data-ft="{"tn":"+H"}" data-gt="{"ref":"bookmarks"}" aria-label="Apps" role="navigation">
           <div data-reactid=".f">
            <div id="pinnedNav" class="homeSideNav" data-reactid=".f.$pinnedNav"></div>
            <div id="pagesNav" class="homeSideNav" data-reactid=".f.1:$pagesNav" data-ft="{"tn":"+X"}">
             <h4 class="navHeader" data-reactid=".f.1:$pagesNav.0"></h4>
             <ul class="_bui nonDroppableNav _3-8w _3-96" data-reactid=".f.1:$pagesNav.1" data-ft="{"tn":"+X"}" data-gt="
              {"nav_items_count":"10","nav_section":"pagesNav","bm_sec":"pagesNav"}">
              <li id="navItem_107709749275616" class="sideNavItem stat_elem" data-reactid=".f.1:$pagesNav.1.$107709749275616"
               data-sortable="true"></li>
              <li id="navItem_544720819002603" class="sideNavItem stat_elem" data-reactid=".f.1:$pagesNav.1.$544720819002603"
               data-sortable="true"></li>
              <li id="navItem_1457136707909713" class="sideNavItem stat_elem" data-reactid=".f.1:$pagesNav.1.$1457136707909713"
               data-sortable="true"></li>
```

Rules | Computed | Fonts | Box Model

```
element {                                                    inline
}
.clearfix {                                                  HC9aYFibxtk.css:6
}
Inherited from ul
ul {                                                         HC9aYFibxtk.css:5
    list-style-type: none;
}
Inherited from div#leftCol
#leftCol {                                                   EbKj2C4dfNk.css:30
  word-wrap: break-word;
}
Inherited from body
._5p3y[dir="ltr"],                                           EbKj2C4dfNk.css:46
._5p3y[dir="ltr"] button,
._5p3y[dir="ltr"] input, ._5p3y[dir="ltr"]
label, ._5p3y[dir="ltr"] select,
._5p3y[dir="ltr"] td, ._5p3y[dir="ltr"]
textarea, ._5p3y[dir="ltr"] .uiMentionsInput
.highlighter, ._5p3y[dir="ltr"] .uiButtonText,
._5p3y[dir="ltr"] .uiButton input,
._5p3y[dir="ltr"] .uiLinkButton input,
._5p3y[dir="ltr"] button.as_link,
._5p3y[dir="ltr"] .fbChatSidebar,
._5p3y[dir="ltr"] .fbDock, ._5p3y[dir="ltr"]
.fbFeedTicker .fbFeedTickerStory
.tickerFeedMessage, ._5p3y[dir="ltr"]
.fbFeedTicker .fbFeedTickerStory
```


Inspector - https://www.facebook.com/
Inspector
Console
Debugger
Style Editor
Performance
Network
html#facebook..sidebarMode
head
title#pageTitle
Rules
Computed
Fonts
Box Model
No element selected.
<head>
<meta charset="utf-8"></meta>
<script></script>
<script></script>
<noscript></noscript>
<meta id="meta_referrer" content="default" name="referrer"></meta>
<link data-permanent="1" data-bootloader-hash="0uwIc" href="https://fbstatic-a.akamaihd.net/rsrc.php/v2/y_/r/EbKj2C4dfNk.css" rel="stylesheet"
type="text/css"></link>
<link data-permanent="1" data-bootloader-hash="BqEOS" href="https://fbstatic-a.akamaihd.net/rsrc.php/v2/y6/r/PiOoEIx5mLf.css" rel="stylesheet"
type="text/css"></link>
<link data-permanent="1" data-bootloader-hash="f/I16" href="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yi/r/SIO0wmU26ud.css" rel="stylesheet"
type="text/css"></link>
<link data-permanent="1" data-bootloader-hash="5hYDF" href="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yM/r/HC9aYFibxtk.css" rel="stylesheet"
type="text/css"></link>
<link data-permanent="1" data-bootloader-hash="RWG+M" href="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yk/r/_hcPcPOJZuz.css" rel="stylesheet"
type="text/css"></link>
<script crossorigin="anonymous" data-bootloader-hash="jjh+p" src="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yI/r/yK7NEW2tPrS.js"></script>
<script></script>
<script src="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yP/r/_qhKpf_MbAR.js" async="" crossorigin="anonymous"></script> ev
<script src="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yg/r/VCTNB410H-Q.js" async="" crossorigin="anonymous"></script> ev
<script src="https://fbstatic-a.akamaihd.net/rsrc.php/v2/ys/r/Dr08oaQBAPd.js" async="" crossorigin="anonymous"></script> ev
<script src="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yH/r/b2fSe56E7tk.js" async="" crossorigin="anonymous"></script> ev
<script src="https://fbstatic-a.akamaihd.net/rsrc.php/v2/yF/r/E6K8tvOue3Y.js" async="" crossorigin="anonymous"></script> ev
<title id="pageTitle">
(1) Facebook
</title>
<noscript></noscript>
<link href="https://fbstatic-a.akamaihd.net/rsrc.php/yl/r/H3nktOa7ZMg.ico" rel="shortcut icon"></link>

Hello Mark

https://www.facebook.com

Search

Search for people, places and things

Floor

Home

1

(1) Facebook

https://www.facebook.com

Search

Search for people, places and things

Floor | Home

Floor Drees
Edit Profile

- News Feed
- Messages 20+
- Events 20+
- Photos
- Browse
- Rails Girls Linz
- Rails Girls Summer ... 6

PAGES

- sektor5 20+
- ROSSConf Vienna 1
- Betapitch Vienna 1
- Betapitch
- RailsHoster.de 1
- Startup Weekend Vi... 1
- Pages Feed 20+
- Like Pages
- Create Page
- Create Ad

GROUPS

- Austrian Startup P... 20+
- Things I Really Sho... 5
- Smart eater vom Se... 1
- New Groups
- Create Group

APPS

- Games 2
- On This Day

Update Status | Add Photos/Video | Create Photo Album

What's on your mind?

Post

.html

It is like showing nouns in red
and showing the verbs in blue
in a sentence.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>This is a web page.</p>
  </body>
</html>
```

Inside the <html> element, the <head> element identifies the top of the document, including any metadata. The content inside the <head> element (<title>) is not displayed on the page.

All of the visible content within the page is in the <body> element.

new terminology is new and hard.

new terminology is new and hard.

http://bit.ly/1Ip4C7o

Elements are designators that define the structure and content of objects within a page. Like the multiple levels of headings.

I am h1
I am h2
I am h3
I am h4
I am h5
I am h6

The use of **<** and **>** angle brackets surrounding an element creates a ‘tag’.

Tags most commonly occur in pairs.

The use of **<** and **>** angle brackets surrounding an element creates a ‘tag’.

Tags most commonly occur in pairs.

<a>I am a link</a>

Don’t forget to close!*

* except for <br>, <embed>, <hr>, <img>, <input>, <link>, <meta>, <param>, …

```
<img src="amazingunicorn.png" />
```

Attributes are properties used to provide additional information about an element.

id identifies an element;
class classifies an element;
src specifies a source for embeddable content;
href provides a hyperlink reference

```
<div id=“awesome”>this is awesome</div>
<div class=“awesomer”>this is more awesome</div>
<img src=“thebestthingever.png” />
<a href="http://facebook.com/">Facebook</a>
```

pro tip: The image source name (**src**) of kittens.jpg is a path relative to the HTML document. You could use a name like "images/thebestthingever.png" if you put the image file into a subdirectory* called “images”.

* folder

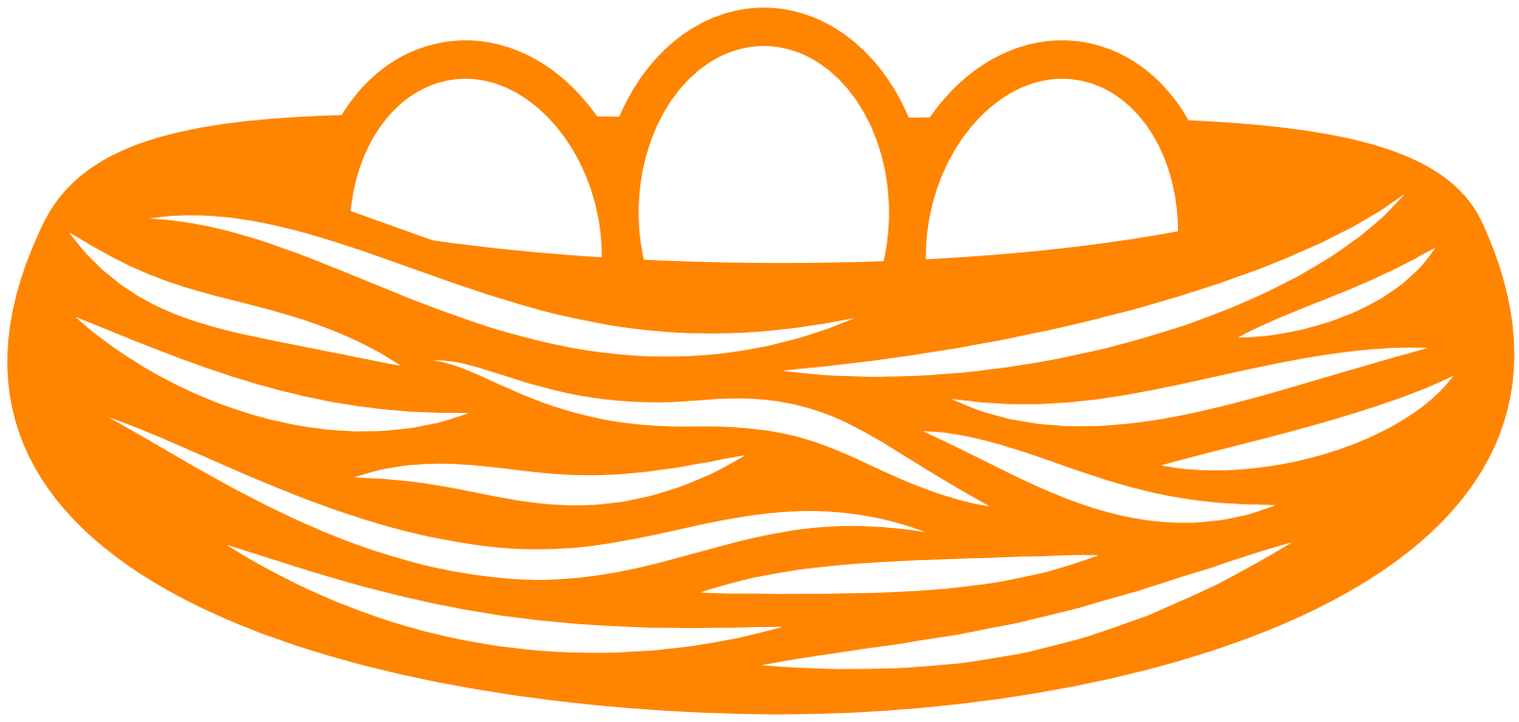
```
<img src="kittens.jpg" alt="Some kittens">
```

The **alt text** is a textual description of what's in the image.

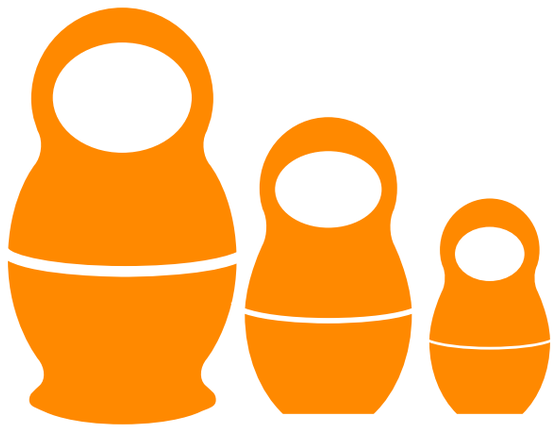
pro tip: indentation. Do it. Imagine a buttload of code and trying to make sense of it all on a Monday morning.

<!-- I am a comment -->

pro tip: Comments can enclose other HTML elements, to “comment them out”.



Zach Harris - thenounproject.com



When an element is placed inside of another element…

```
<strong><a href="http://www.fancyshmancy.io">call to action</a></strong>
```

Dimitriy Lagunov - thenounproject.com

Practice makes perfect

1. Create a file called index.html
2. … with the right setup*
3. … contains one <h1> title
4. two <p>aragraphs
5. a link inside a paragraph
6. … and an image with an alt text**

* <html>, <head>, et al
** Yes you can ask us / Google for help.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>This is a web page.</p>
  </body>
</html>
```

open your index.html file within a web browser and marvel at your accomplishments!1!!

90ies anti-design is nice and all,
but can I change this?
Yes you can.

AP

Thank you <3

Want to continue coding?

Check out our favourite resources at http://bit.ly/1baYO7a