

Summary

HTML / CSS / Javascript course

What We Achieved in This Course



Beautiful Webpage



CSS & SASS



Bootstrap & jQuery



Data Access via Ajax

facebook home

Welcome Home

[INSTALL NOW](#)



Andy, 孟翰 and 7 others use
Facebook Home



[Overview](#)

[Cover Feed](#)

[Chat Heads](#)

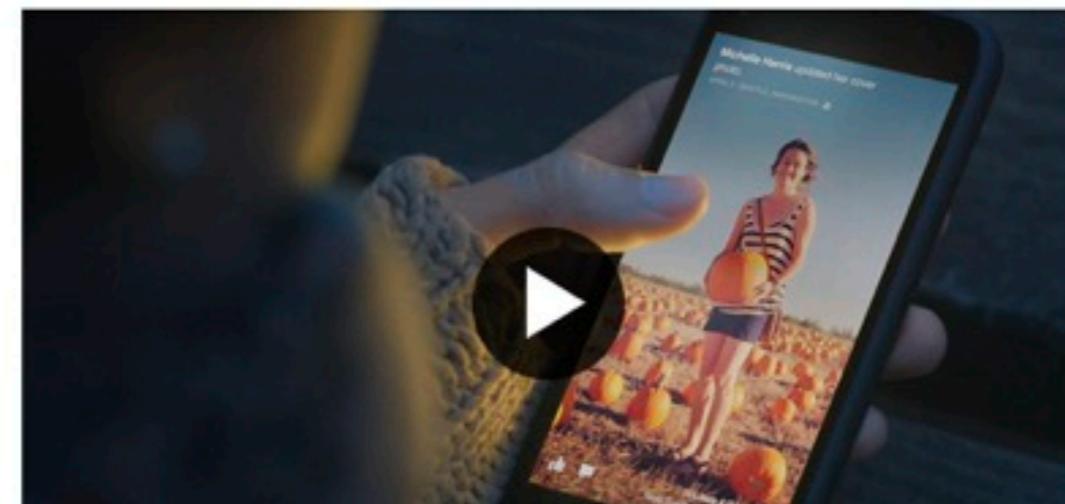
[App Launcher](#)

[INSTALL NOW](#)

Introducing Facebook Home

The family of apps that puts your friends at the heart of your phone.

With Home, everything on your phone gets friendlier. From the moment you turn it on, you see a steady stream of friends' posts and photos. Upfront notifications and quick access to your essentials mean



<h1> facebook home </h1>
<h2> Welcome Home </h2>

<button class="btn btn-primary">
 INSTALL NOW
</button>



<nav data-spy="affix" data-offset-top="604">

 Overview Cover Feed Chat Heads App Launcher

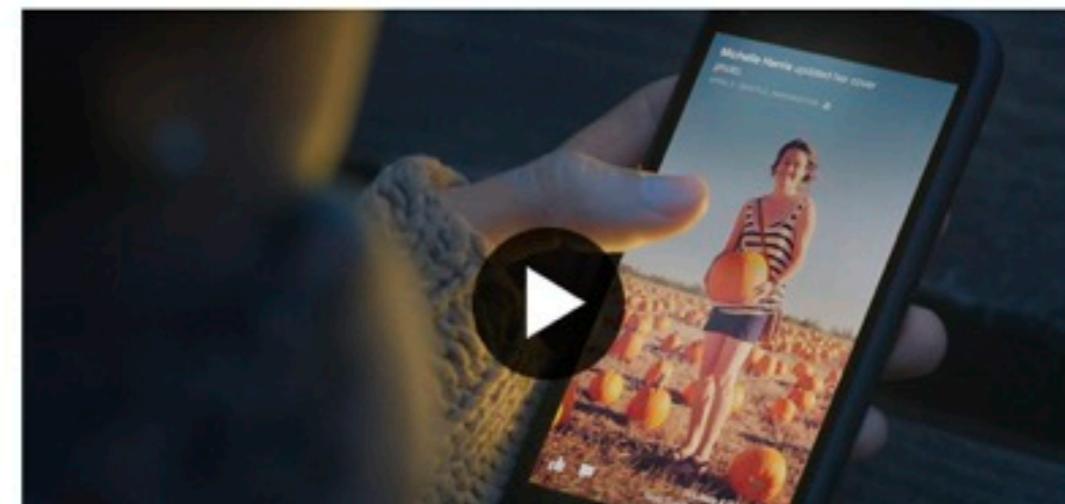
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facebook home

Welcome Home

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Elements Resources Network Sources Timeline Profiles Audits Console

```
<div id="globalContainer" class="uiContextualLayerParent">
  <div id="content" class="fb_content clearfix">
    <article>
      <header id="fbhome-hero" class="_52pc" style="height: 604px;">
        <div class="_5346 _534a">
          <div class="_5346">_</div>
          <div class="_5346">
            <div class="_3q-2 _5347">
              <div class="inlineBlock _534b">
                <div class="_6_ _75">
                  
                <h2 class="_534h _5345 _3m9 _52ih">Welcome Home</h2>
              </div>
              <div style="padding-bottom: 35px">_</div>
            </div>
            <div class="inlineBlock _534b _5347"></div>
          </div>
        </div>
      </header>
```

Styles

element.style { }
Matched CSS Rules

._52ih { color: #FFF; } 3VxGBrEPzmJ.css:8

._3m9 { font-family: 'Freight Sans' !important; font-weight: normal !important; text-rendering: optimizelegibility; } vw9f0J2-G0M.css:5

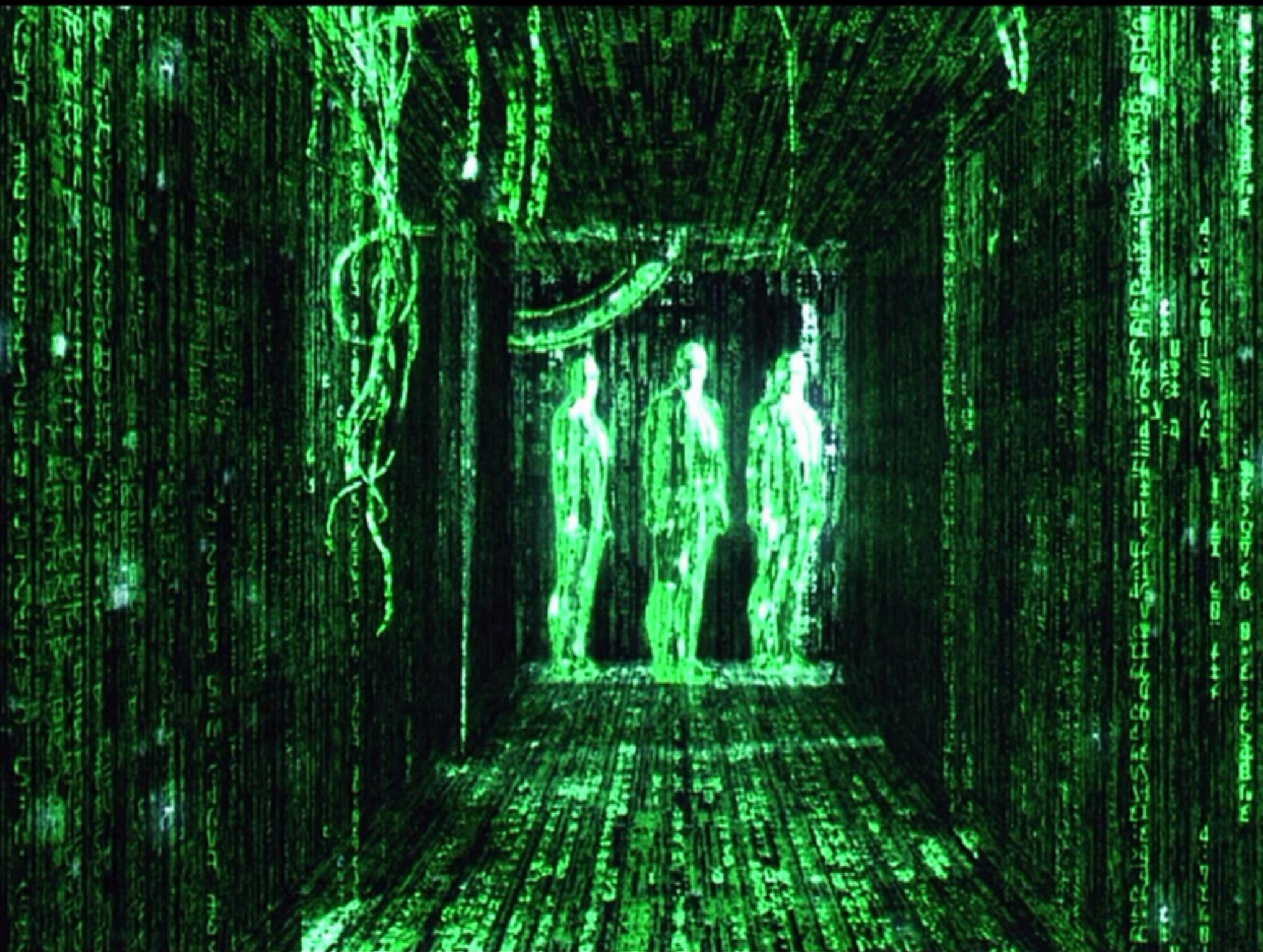
._534h, ._53hk, ._559_ { text-shadow: 0 0 5px #rrrrff; } Ep-6hk0u5_6.css:75

._534h { font-size: 62px; line-height: 64px; margin: 14px 0 42px; } Ep-6hk0u5_6.css:73

._5345 { } Ep-6hk0u5_6.css:53

article header#fbhome-hero._52pc div._5346._534a div._5346 div._3q-2._5347 div.inlineBlock._534b div._6_.75 h2._534h._5345._3m9._52ih

<code>



</code>



You are now different.



History of Web Technologies

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

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Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

[Help](#)

on the browser you are using

[Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#) ,X11 [Viola](#) , [NeXTStep](#) , [Servers](#) ,
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[Bibliography](#)

Paper documentation on W3 and references.

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[Getting code](#)

Getting the code by [anonymous FTP](#) , etc.

1st Website

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1991, CERN



World Wide Web Consortium



Standard Maker, 1994

The World Wide Web Consortium achieves its mission by bringing diverse **stake-holders** together, under a clear and effective **consensus-based process** to develop high-quality **standards** based on contributions from the W3C Members, staff, and the community at large.

Specification Maturation

- Working Draft (WD)
- Candidate Recommendation (CR)
- Proposed Recommendation (PR)
- W3C Recommendation (REC)

W3C Spec on HTML

- 1991 - HTML 1
- 1998 - HTML 4
- 2000 - xHTML
 - Stricter syntaxes, XML compliant

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Abandoning HTML in favor of XML-based technologies.....



WHATWG

Web Hypertext Application Technology
Working Group





WHATWG

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WHATWG

Web Hypertext Application Technology
Working Group

2004 Founded, announces HTML5

2007 Suggest W3C to follow them



HTML 5



HTML Living Standard

THE HISTORY OF HTML



2004

Oct.
2006

“WHAT” Working Group is born

Founded in 2004, The WHATWG, with members from Apple, the Mozilla Foundation, and Opera Software, sets out to develop HTML5.



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Oct.
2006



World Wide Web Consortium (W3C) announces it will work with “WHAT” Working Group

W3C decides to stop working on XHTML and instead begins collaborating with “WHAT” Working Group to evolve HTML as a technology.

2008

First version of HTML5 is published

The first draft of HTML5, written by Ian Hickson, is introduced but changes are still coming. Experts say that HTML5 is a continually evolving technology that will never be absolutely “finished.”

2008



allow HTML5 to be viewed on the browser. Chrome, Safari and eventually IE will follow suit.



Jan.
2010



YouTube offers HTML5 Video Player

New player can only be activated through TestTube. A better video player will arrive in July 2010.



April
2010

Steve Jobs "trashes" Flash in an open letter

Jobs explains why Flash will never be allowed on Apple's smart devices. This triggers many companies to begin pursuing HTML5.


“Flash was designed for PCs using mice, not for touch screens using fingers.”



May
2010



Boston Globe opens subscription-only BostonGlobe.com

The Boston Globe uses responsive design and CSS3 allowing the website to adapt to the size of the screen it's presented on.

Nov.
2011



Adobe stops making Flash for mobile devices

Company makes public plans to end development of Flash for mobile in order to focus on HTML5 tool development.



April
2012



Flickr gets a new HTML5 uploader

This HTML5 implementation expedites uploading large files.





January
2013

HTML5 adoption expected to boom as over one billion (1,000,000,000) HTML5-compatible smartphones will be sold by this time.

Based on research by Strategy Analytics whose predictions are supported by other research agencies.



CSS 3

CSS 3

- CSS 2.1: 2010
- CSS 3: Modules, w/ different maturity

Module	Last Update	Upcoming
Recommendation (?)		
CSS Color (Complete)	07 June 2011	REC
CSS Namespaces (Complete)	29 September 2011	REC
Selectors (Complete)	29 September 2011	REC
Candidate Recommendation (?)		
Media Queries (Stable)	27 July 2010	PR
CSS Style Attributes (Stable)	12 October 2010	PR
CSS Backgrounds & Borders (Testing)	15 February 2011	CR
CSS Marquee (Testing)	5 December 2008	PR
CSS Multi-column Layout (Testing)	12 April 2012	CR
CSS Basic User Interface (Revising)	11 May 2004	LC
Last Call (?)		
CSS Speech (Refining)	18 August 2011	CR
CSS Paged Media (Revising) (<i>Inactive</i>)	10 October 2006	LC
Working Draft (?)		
CSS 2D Transformations (Refining)	15 December 2011	WD
CSS Transitions (Refining)	1 December 2009	WD
CSS Animations (Revising) (<i>Outdated</i>)	20 March 2009	WD
CSS Flexible Box Layout (Revising)	29 November 2011	WD
CSS Fonts Level 3 (Revising)	4 October 2011	LC
CSS Image Values & Replaced Content (Revising)	6 December 2011	WD
CSS Text (Revising)	1 September 2011	WD
CSS 3D Transformations (Revising)	20 March 2009	WD
CSS Values & Units (Revising)	6 September 2011	WD
CSS Writing Modes (Revising)	1 September 2011	WD
CSSOM View (Revising)	4 August 2011	WD
CSS Cascading & Inheritance (Exploring) (<i>Inactive</i>)	15 December 2005	WD
CSS Conditional Rules (Exploring)	http://www.css3.info/modules/#1 Last update: 2012/1/08	
CSS Device Adaptation (Exploring)	15 September 2011	WD

Javascript

Programming in Browser

- 1995
- Anti-Microsoft
- WWW is a good chance!
 - Netscape: LiveScript
 - Sun: Java Applet

Netscape 2.0B3

- Feature: “**Javascript**”
- Basically LiveScript
- Borrows Math and some names

Internet Explorer 3.0

- Feature JScript

Internet Explorer 3.0

- Feature JScript
 - Reverse engineering of Javascript.

ECMA Script

- Standardized Javascript (superset)
- “Client-side scripting on the web”
- 2006: ECMA Script 5.1
- 2013 Dec (?): ECMA Script 6

Mobile

Mobile Web

v.s

Responsive Web Design

(RWD)

RWD

[HTML5 Boilerplate]

- Media queries
- Restrict scale

```
@media only screen and (min-width: 35em) {  
    /* Style adjustments for viewports that meet the condition */  
}
```

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

Mobile First

Philosophy on

- choosing **content** to show
- determining how to **code**
 - **Minimal CSS** for the mobile
 - Patch with **more CSS** for desktop

Bootstrap includes a responsive, mobile-first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases. It includes [predefined classes](#) for easy layout options, as well as powerful [mixins](#) for generating more semantic layouts.

Grid options

See how aspects of the Bootstrap grid system work across multiple devices with a handy table.

	Extra small devices Phones (<768px)	Small devices Tablets (>768px)	Medium devices Desktops (>992px)	Large devices Desktops (>1200px)
Grid behavior	Horizontal at all times	Collapsed to start, horizontal above breakpoints		
Max container width	None (auto)	728px	940px	1170px
Class prefix	.col-	.col-sm-	.col-lg-	
# of columns	12			
Max column width	Auto	~60px	~78px	~98px
Gutter width	30px (15px on each side of a column)			
Nestable	Yes			
Offsets	N/A	Yes		
Column ordering	N/A	Yes		

Bootstrap 3 RC
Different with current version.

Great References

- MDN <https://developer.mozilla.org/>
- Web Platform <http://docs.webplatform.org>
- CSS-Tricks <http://css-tricks.com/>

Controversial References

- w3schools <http://www.w3schools.com/>
- w3fools <http://w3fools.com/>

Great Conferences

- Google I/O: \$900
- Javascript Developer Conference in Taiwan <http://jsdc.tw>
- WebConf Taiwan <http://www.webconf.tw>
- 開源人年會 <http://coscup.org>
- Open Source Developer Conference <http://osdc.tw>

Great FB Groups

- HTML5 與 CSS3 在台灣
<https://www.facebook.com/groups/htmlfive/>
- Javascript.tw
<https://www.facebook.com/groups/javascript.tw/>
- rgba 討論區
<https://www.facebook.com/groups/rgba.tw/>
- Front-end Developers Taiwan
<https://www.facebook.com/groups/521085554595481/>
- 我是一個喜歡寫 CSS 的人 (粉絲頁)
<https://www.facebook.com/css3.tw>

