

Web Programming

網際網路程式設計

Darby Chang

張天豪

Layout 排版

Progressive Enhancement

漸進增強

- 先從最基礎的技術開始，然後再複雜化
- 符合「release early, release often」哲學
 - 例如該死的Facebook改版(白老鼠)哲學
- 簡單的分層可以像這樣
 - 第一層為乾淨且合理的HTML，重點在內容
 - 第二層為CSS，重點是視覺上的效果
 - 第三層為Javascript，重點在於易用性
- 更複雜的分層可以加上配色、語系等等
- [Progressive Enhancement: What It Is, And How To Use It?](#)

Order of Navigation

1. Homepage Change the order for Homepage
2. Contact Us Change the order for Contact Us
3. About Us Change the order for About Us
4. Latest News Change the order for Latest News

Save new order

<http://coding.smashingmagazine.com/2009/04/22/progressive-enhancement-what-it-is-and-how-to-use-it/>

使用讓使用者設定順序，設定每個<input>的name屬性，並用<label>及其for的屬性來建構與輸入框id屬性的關聯性，使用<fieldset>來區隔，最後用<form>來把所有東西包起來

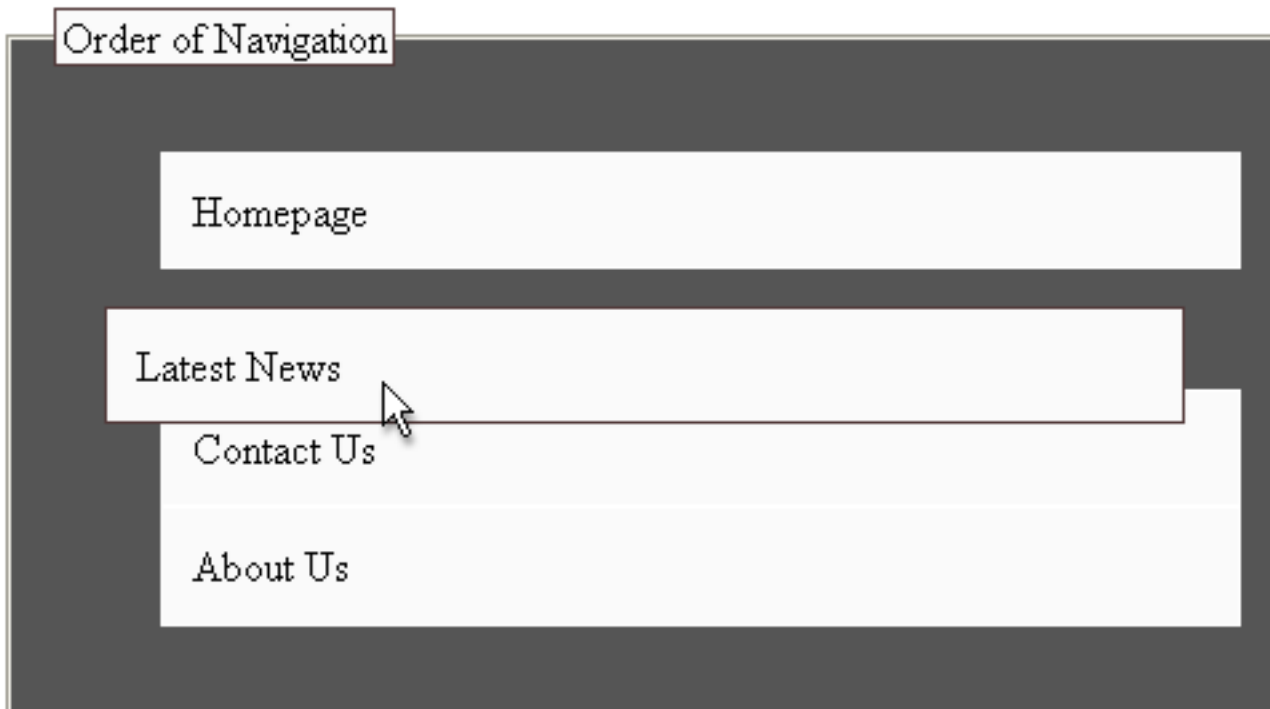
Order of Navigation

Homepage	1
Contact Us	2
About Us	3
Latest News	4

Save new order

<http://coding.smashingmagazine.com/2009/04/22/progressive-enhancement-what-it-is-and-how-to-use-it/>

使用position屬性將<label>從正常排版拿掉，並使用了負的margin-left，使其看不到，但是卻能保留原本的語意，這對一些專門設計給視障者的瀏覽器是很重要的資訊，原本的數字被拿掉以避免混淆使用者，剩下就是靠調整background, color, margin, padding這些最常見的屬性讓網頁更好看，並用了:hover來達到一點點動態效果



<http://coding.smashingmagazine.com/2009/04/22/progressive-enhancement-what-it-is-and-how-to-use-it/>

隱藏文字框因為我們有完全不一樣的使用者體驗，每次順序改變，我們必須更新的value屬性



一個調整border, margin及padding的例子

Fixed vs. fluid

固定與流動

- 固定(fixed)式排版通常用擁有一個絕對寬度的包裝(wrapper)元素
 - 其中元素的寬度可以是絕對也可以是相對
- 在流動(fluid, or liquid)式排版中，所有的元素寬度都是相對(比例式)的
- Fixed vs. Fluid vs. Elastic Layout: What's The Right One For You?

960px

520px

200px

200px

90%

50%

20%

20%

Web Programming 網際網路程式設計

5%

10

固定寬度網頁設計

■ 優點

- 設計起來簡單
- 保證在各種瀏覽器都一樣
- 不用考慮min-width, max-width等等屬性

■ 缺點

- 容易留下大量的空白，違反「黃金比例」、「井字法」等設計上的平衡
- 在小尺寸的螢幕上會出現水平捲軸
 - 最新的趨勢是使用CSS3中的Media Queries技術
 - [The Wall is Redesigned](#)
- 在大尺寸的螢幕上需要注意背景圖案重複的問題

let it fly,
high as a kite...
[read more](#)

Welcome!!

Hello! and welcome to my online portfolio... take a look around!



Alizee



A Swan



Fantasy Island



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shapes swan tree vector weapon website weed



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it's all
about
colours
& pixels.

COLOURPIXEL.

here&there.

01 October'08

Folks, After a long hiatus, we have bloomed again...

This version is fresh and ethnic, colorful and chic. Drop by and get drenched in color!

Your feedback is always appreciated...

hello, I am Nag, a Designer
from Hyderabad, India
good in web, print,
identity, branding &
user interface design.

contact.

I have a holistic approach to creativity. My designs are analytical, expressive, curious and oft sensual.

Hyderabad, India is my Shangri-la and available for exciting work....

email :

nag@colourpixel.com

colourpixel@gmail.com

offerings.

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Online Marketing Materials

Corporate Identity / Logo Design

Branding & Advertising Solutions

Print Communications (Fliers, Posters, Brochures, Collaterals, Environmental & Stalls)

User Interface (UI) Design & Clickable Prototypes

Concept Presentations

固定寬度網頁設計趨勢

■ 螢幕變大了

– [Browser Display Statistics](#)

– [NetMarketShare](#)

■ 置中

– `margin: 0 auto;`

February 2006	800×600	1024×768
www.Apple.com	☺	☹
www.Microsoft.com	☺	☹
www.Yahoo.com	☺	☹
www.YouTube.com	☺	☹
February 2007	800×600	1024×768
www.Apple.com	☺	☹
www.Microsoft.com	☹	☺
www.Yahoo.com	☺	☹
www.YouTube.com	☹	☺
February 2008	800×600	1024×768
www.Apple.com	☹	☺
www.Microsoft.com	☹	☺
www.Yahoo.com	☹	☺
www.YouTube.com	☹	☺

流動寬度網頁設計

■ 優點

- 使用者某種程度可以自己調整寬度
- 留白視覺上比較漂亮
- 避免水平捲軸

■ 缺點

- 設計者無法百分之百控制使用者看到的感覺
- 圖片、影片等其他內容可能需要提供多種尺寸
 - 一樣使用CSS3中的Media Queries技術解決
 - [The Wall is Redesigned](#)
- 如果螢幕超寬，但是內容卻超少時...



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APRIL 17

LATEST FROM THE NOTEBOOK

☞ Tweetie for Mac

I've been loving atebits' Twitter iPhone client, Tweetie, for a few weeks now (late adopter). On Monday they're releasing a desktop version, and from the preview video it certainly looks excellent (and unique).

☞ Twitshirt

Wearable tweets, from the fine folks at **Airbag Industries**. Photo of my beta-tested shirt coming soon.

APRIL 13

☞ What's Coming in Firefox 3.5

Turns out, Firefox 3.1 is being renamed to due to all the new stuff that's being added. I'm particularly excited about this release for further progressive

RECENT WORK



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Redesign

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Icons to go



Foamee
Who do you owe?

Large Resolution



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Large Resolution



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Smaller Resolution

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Web Design Process

Business Cards

流動寬度網頁設計趨勢

- 簡化設計，因為太難掌控了
- 使用 min-width, max-width，還是要有最低限度的控制
- 不要用...或是用改良版的彈性(elastic)排版
- Special Interest Group on Molecular Biomedical Informatics

簡易三欄式排版

■ 全浮動(float)

- `<div id="left">Left</div>`
`<div id="mid">Middle</div>`
`<div id="right">Right</div>`
`<div class="clear"></div>`
- `#left, #mid, #right { float: left; }`
`.clear { clear: both; }`

■ 主欄位非浮動

- `<div id="left">Left</div>`
`<div id="right">Right</div>`
`<div id="mid">Middle</div>`
- `#left { float: left }`
`#right { float: right }`
`#mid { padding-left: 200px; width: 760px; }`

Grid

網格

- 對齊的美，節奏(rhythm)
- 960 Grid System
 - Four Kitchens's Presentations on SlideShare
- 還有其他很多框架(framework)
 - blueprint
 - 10 Promising CSS Framework That Worth A Look
- 垂直的節奏，更難
 - Compose to a Vertical Rhythm
 - 行距(line-height)、留白(margin, padding)、字體(標題及附註等)大小(font-size)、邊框(border)
 - Web Programming

Framework

框架

- 網頁通常由許多元素如頁首(header)、內容、頁尾(footer)等構成，頁首中可能還有標識(logo)及導覽列(navigation bar)，內容中也可能有側邊列(sidebar)
- 建立一個網站通常得花許多時間在這些基礎建設上，因此誕生了框架這樣的產物，提供規劃好的相關設定，節省初期建構時間
- 缺點
 - 為了統一規範，class或id 並非語意化的，例如header可能變成container_16
 - 在制式的環境中，設計人員對於視覺的發揮容易受到限制
- [Bootstrap, from Twitter](#)

利用繪圖軟體排版

- Create a Fantastic Landing Page for Your Next Product Using Photoshop
- 事實上這種人還蠻多的
 - 45 Step-by-Step Tutorials on Web Design with Photoshop
- 不過還需要多一個步驟
 - Convert Your Product Landing Page From PSD to HTML [Very Detailed]
 - 很多人賴以為生呢





留白、對齊、Re-align rather than re-design

Good Designers Redesign, Great Designers Realign

Process of Redesigning N.Design

The Wall is Redesigned



Today's assignment

今天的任務

重新排版

- 根據今天的課程，重新思考 border, font-size, line-height, margin, padding 的使用方式，考慮是否需要使用網格，考慮是否需要使用框架。
 - 如果真的沒有任何想法，那就使用一種框架
- 參考資料
 - [Good Designers Redesign, Great Designers Realign](#)
 - [Process of Redesigning N.Design](#)
 - [The Wall is Redesigned](#)
 - [960 Grid System](#)
 - [Four Kitchens's Presentations on SlideShare](#)
 - [Bootstrap, from Twitter](#)
- 記得寄快照給助教
- 老師會在 11/20 星期日 23:59 之後到各組的首頁去看，可以寄個報告(例如工作分配或是設計重點等等)給老師，以防老師眼殘沒注意到你們的特色

Appendix

附錄

同學提問

■ 如何使用計中帳號認證

– #!/usr/bin/perl -w

use strict;

use Net::POP3; # 我們使用 POP3 協定來認證

連到計中郵件伺服器

my \$pop = Net::POP3->new('mail.ncku.edu.tw');

認證

print \$pop->login(\$id, \$pw) ? "ok\n" : "no\n";