Web Programming
網際網路程式設計

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Design Pattern
設計模式
Design pattern

- User interface design is getting important
  - user experience (UX, 使用者體驗)
  - Human-Computer Interface (HCI, 人機介面)
  - to stay current, you need to keep an eye on trends, new resources, and new techniques being implemented and talked about

- Looking at the solutions others have already come up with for common UI challenges
  - help you find the right existing solution
  - serve as the basis for coming up with something new and original
Compared to visual candies, in my original syllabus, which include gradients, rounded borders and ribbons, design patterns are more fundamental and important.
Design pattern libraries

- User Interface Design Patterns
- Pattern Tap
- Patternry
- Mephobox
Prototyping/mockup resources
製作原型的資源
<table>
<thead>
<tr>
<th>Item One</th>
<th>Item Two</th>
<th>Item Three</th>
<th>Item Four</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Sex</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Paul</td>
<td>Male</td>
<td>23</td>
</tr>
<tr>
<td>Chin Juan</td>
<td>Female</td>
<td>28</td>
</tr>
<tr>
<td>Klin Edwards</td>
<td>Male</td>
<td>34</td>
</tr>
<tr>
<td>Sandra Wilcox</td>
<td>Female</td>
<td>31</td>
</tr>
</tbody>
</table>
UI Design Framework for Illustrator
Android Asset Studio

Android Asset Studio » Icon generators » Launcher icons

The launcher icon generator will create icons that you can use in your Android application, from a variety of source images. To begin, simply enter the input details below. Output will be shown below.

Foreground

- Image
- Clipart
- Text

Trim

- Trim
- Don't Trim

Padding

Foreground scaling

- Crop
- Center

Shape

- Square
- Circle

Background color

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Unique Mobile UI Design Elements
Android UI Elements Set
OSX Leopard GUI Set
Design pattern is not for web only

- Some handset devices (smart phones) can share similar design patterns with web sites
- Tablets are more like web sites, where the most difference is the touch screen
  - compatible screen resolutions, no hover event
  - actually touch screens could be a necessary facility for desktops in the near future
  - consider to depend on as less keyboard as possible
- Desktops, sure! Why not to learn from the most senior platform?
  - many web applications were inspired by Apple products
Become a Hipster
Sell Stolen Ideas

Invent C
and UNIX

Praised by Media as
Jesus of Computing

Ignored

Without Steve Jobs (February 24, 1955 – October 5, 2011) we would have:
No iProducts
No over expensive laptops

Without Dennis Ritchie (September 9, 1941 – October 12, 2011) we would have:
No Windows
No Unix
No C
No Programs
A large setback in computing
No Generic-text Languages.
We would all read in Binary..

They died in the same year and the same month but it seems only few notice the death of Dennis Ritchie compared to Steve Jobs.
今年似乎不少名人辭世
ALL In One Web Elements Kit

Lorem ipsum dolor sit amet
Curabitur sed sapien sed nunc cursus hendrerit sed in sapien. Aliquam ac vel quam, at volutpat ligula. Duis justo elit vestibulum a suscipit quis, congue ut sapien. Nam nec nisi tectus.

Pellentesque nec sem odio, nec suscip diam. Donec feugiat dignissim nibh vitae tincidunt. Fusce ullamcorper, massa id rhoncus pulvinar, orci justo viverra sem, in sagittis dui magna eget nulla.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris eu eros viverra, dictum imperdiet ligula, pulvinar viverra tellus. Curabitur euismod pulvinar risus, at laoreet

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https://bestblogbox.com/freebies/all-in-one-web-elements-kit
iPad GUI Set

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http://www.techanlax.com/blog/2010/02/01/ipad-gui-psd/
Feedback tools

- **Concept Feedback**
  - post your designs and concepts and get free feedback from the design community

- **Landing Page Optimization**
  - get feedback from real people on your landing page’s 5-second impression

- **Questionnaire systems such as** [Google Docs](http://docs.google.com) and [Wufoo](http://www.wufoo.com)
Some frameworks include them

- Foundation
- DHTMLX
- Dojo
- ZK
- jQTouch
- Scripty 2
- Echo 3
- Midori
Dive into some design patterns
深入一些設計模式
Page grids

Vertical navigation bar

Front Page
This is where it all begins

Our Portfolio
Let us show you our work

Who We Are
Get to know us a little better

What We Do
A rundown of our services

Contact Us
How to get in touch with us

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Horizontal navigation bar

Newspond 2 is coming! A brand new Newspond is on its way. Learn More...

Official Google Voice app reportedly approved by Apple

Top Story  Surfaced 7 Hours Ago on AppleInsider (+4 others)

Apple has given its approval to the Google Voice App for iPhone, which should be available
Tabs

Features

WORKS | TUTORIALS | THEMES

Koi Theme
A simplified version of N.Design's Koi theme.

Notepad
A modern inspired by the iPhone's Notes.app
Breadcrumbs

NASA Home > News & Features > News Topics > Aeronautics
Pagination

designers and developers whose articles are featured in this review. We respect and appreciate contributions to the design community, folks!

Read more...
Lazy registration
Information dashboard

儀表板
Form wizard

精靈

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Auto-complete/auto-suggest
自 動 完 成
Dialog

Red-Eye

Click the center of each eye to fix red-eye or pet-eye.

Human  Furball

Picnik having trouble deciding between human or pet? Click above to manually set what sort of eyes you're fixing.
Floating footer
Progress indicator

Loading Sample Data
Rating

2. Rating: 3.2/5 (15 votes cast) Thanks for v
Scoped search
Visual candies

- Back to visual candies, they are more like answering the question “how to make xxx more beautiful?”

- For example, you decided to use a horizontal navigation bar, just Google “horizontal navigation bar web showcase” and you will find Navigation Menus: Trends and Examples
  - the exact name is not important as Google is so smart
  - that’s why you need to first know which design patterns are already developed and used
Style vs. quality

There are many ways to improve the quality of your web site. But, it’s your responsibility to decide the style. Sometimes, “low quality” is also a kind of style.
Any Questions?
Today’s assignment
今天的任務
Enhance the user experience

- Re-think about your user interface (widgets, transitions…) and refine those not so reasonable and those having better solutions available. Please modify or add at least one facility. If you have no candidate to improve, please add a modal dialog to show some News of your site.

- Reference
  - 40+ UI Design Tools and Resources
  - 15 UI Design Patterns Web Designers Should Keep Handy
  - 43 Essential Controls for Web Applications

- Remember to send snapshots to TA and explain your progress (and how to test it) via email, in your homepage or, even better, in a modal dialog

- Darby will check your web site at 23:59 11 Dec (Sun)
Appendix
附錄
Two modern patterns

- Many teams used maps
  - is it a design pattern? sure, of course you can count it in
  - MigrationsMap.net is developed for the author to learn and have fun with HTML5 technologies
  - Knowing the dependent technologies is also helpful for us
    - Raphael.js, Color Brewer, Hasher.js and Modernizr

- Another fancy UI that I will use in my future web sites
  - jQuery.fracs determines the fraction of an HTML element that is currently in the viewport, as well as the fraction it takes of the complete viewport and the fraction of the area that might possibly be visible
News of this week

- The results and my responses of the course questionnaire have been released
- There are more contests
  - 2012全國大專校院開放軟體創作競賽
  - 2012微軟潛能創意盃
  - 台灣網路創業生死戰接受報名中
- Another web business
  - SaveBar省省吧

- Some comments to the head- and job-hunt
Too shy