Molecular Biomedical Informatics

Web Programming
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>Name</th>
<th>Sex</th>
<th>Age</th>
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</thead>
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<tr>
<td>John Paul</td>
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<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
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.
Unique Mobile UI Design Elements
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
THE 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.

Web Programming 網際網路程式設計
Web Programming 網際網路程式設計
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, Wufoo and Typeform**
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
Horizontal navigation bar

Official Google Voice app reportedly approved by Apple for iPhone.
Any difference between the above two?
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

News & Features

News Topics
- Shuttle & Station
- Moon & Mars
- Solar System
- Sun-Earth System

Latest Features
- Kentucky Students Join Chat with NASA Pilot
- NASA Dryden Receives 'New' F-15Ds
- X-48B Resumes Flight Tests at NASA Dryden

Pagination

there will help you improve your graphic design skills in Adobe Photoshop. And sincere thanks to designers and developers whose articles are featured in this review. We respect and appreciate your contributions to the design community, folks!

Read more...
Lazy registration

Sign Up
It's free and anyone can join!

Full Name

Your Email

New Password

By clicking Sign Up, you are consenting to our Terms of Use and the receipt of email newsletters and account updates from Slide. Privacy Policy

Sign Up
Information dashboard

儀表板

- Cash: $1.25
- US Bank Spending: $5.23
- PayPal Balance: $0.00
- US Bank Savings: -$3.98
- Credit Cards: -$235.00
- Loans: -$10,470.09
- Investments: $0.00
- Property: $0.00

- US Bank - Savings charged you Maintenance Fee of $4.00.
- US Bank - Credit charged you Overdraft Protection Fee of $10.00.
- Check 165 for $255.00 has cleared your US Bank - Spending account.

Budget September 2010:

<table>
<thead>
<tr>
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<th>Total</th>
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<th>OVER?</th>
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<tr>
<td>Hair</td>
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<tr>
<td>Coffee Shops</td>
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<td>$30</td>
<td>$30</td>
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<tr>
<td>Pet Food &amp; Supplies</td>
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<td>$20</td>
</tr>
<tr>
<td>Transportation</td>
<td></td>
<td>$27</td>
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</tr>
</tbody>
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Form wizard

精靈

Web Programming 網際網路程式設計
Auto-complete/auto-suggest 自動完成
Dialog

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 voting!
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 (re-)design all pages of your site. If you have no preference of above-mentioned patterns, 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

- Your web site (http://merry.ee.ncku.edu.tw/~xxx/cur/, ex9) will be checked not before 23:59 12/2 (Sun). You may send a report (such as some important modifications) to me in case I did not notice your features.
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