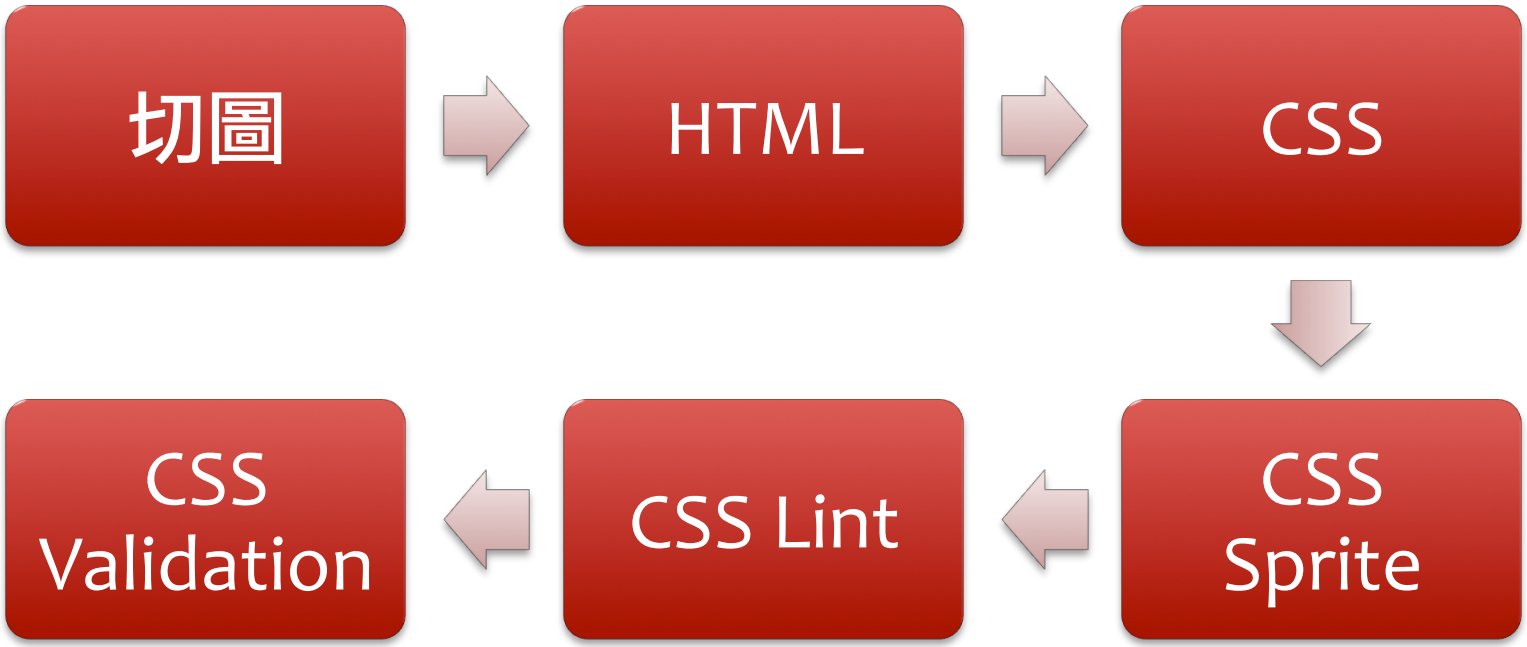
AD1026
Front-end Development Advance
Session 2: HTML and CSS

Rex Chen @ 2011/12/05
Enterprise, Sr. Engineer

TREND MICRO



TREND MICRO

切圖

Tools

Windows:

- HyperSnap, Snagit, Photoshop
- ColorCop
- Download link (smex / scanmail)
  \\filebay\upload\rex\software\

Mac:

將螢幕圖片儲存為檔案	⇧⌘3
拷貝螢幕圖片至剪貼板	^⇧⌘3
將所選區域的圖片儲存為檔案	⇧⌘4
拷貝所選區域的圖片至剪貼板	^⇧⌘4

TREND MICRO

Workshop

Install tools and practice

http://tw-hiesrv.tw.trendnet.org/uiwww/segment/01_enterprise/tmcm/6.0/layout03/nav/nav_01_02.png

From HTML to HTML5

TREND MICRO

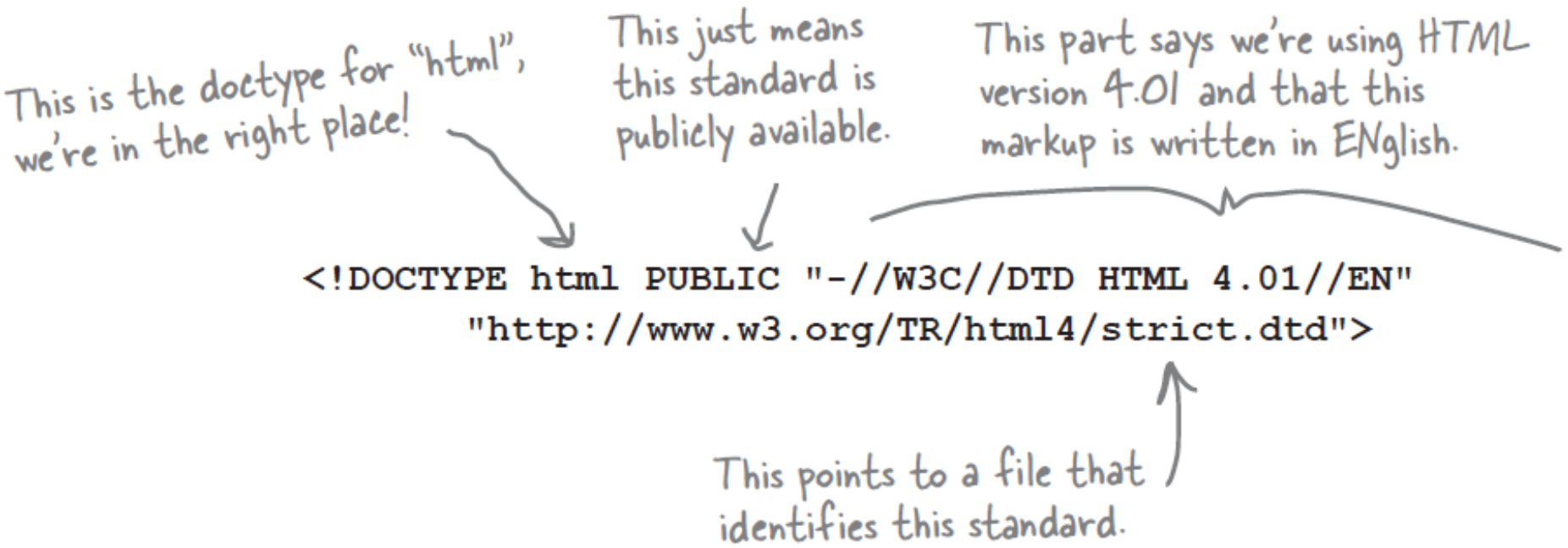
Strict vs. quirks modes

6 quirks mode

4 html5 doctype

1 xhtml

TREND MICRO


This is the doctype for "html", we're in the right place!
This just means this standard is publicly available.
This part says we're using HTML version 4.01 and that this markup is written in ENglish.
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
This points to a file that identifies this standard.

TREND MICRO

HTML 4.01 version of the doctype

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
```

HTML 5

```
<!doctype html>
```

TREND MICRO

HTML 4

```
<meta http-equiv="content-type" content="text/html;
charset=UTF-8">
```

HTML 5

```
<meta charset="utf-8">
```

TREND MICRO

HTML 4

```
<link type="text/css" rel="stylesheet" href="style.css">
```

HTML 5

```
<link rel="stylesheet" href="lounge.css">
```

TREND MICRO

Congratulations, you're now certified to upgrade any HTML to HTML5!

As a trained HTML5-o-Matic user, you've got the tools you need to take any valid HTML page and to update it to HTML5. Now it's time to put your certification into practice!

TREND MICRO

Workshop

Modify HTML4 template to HTML5

TREND MICRO

Block vs. inline elements

HTML 4 Block-Level Elements

http://htmlhelp.com/reference/html40/block.html

HTML 4 Inline Elements

http://htmlhelp.com/reference/html40/inline.html

TREND MICRO

Workshop

List Block & Inline Elements

TREND MICRO

HTML vs. XHTML

TREND MICRO

Sematic HTML

Ease of use

Accessibility

Search Engine Optimization

Repurposing

TREND MICRO

Modularization

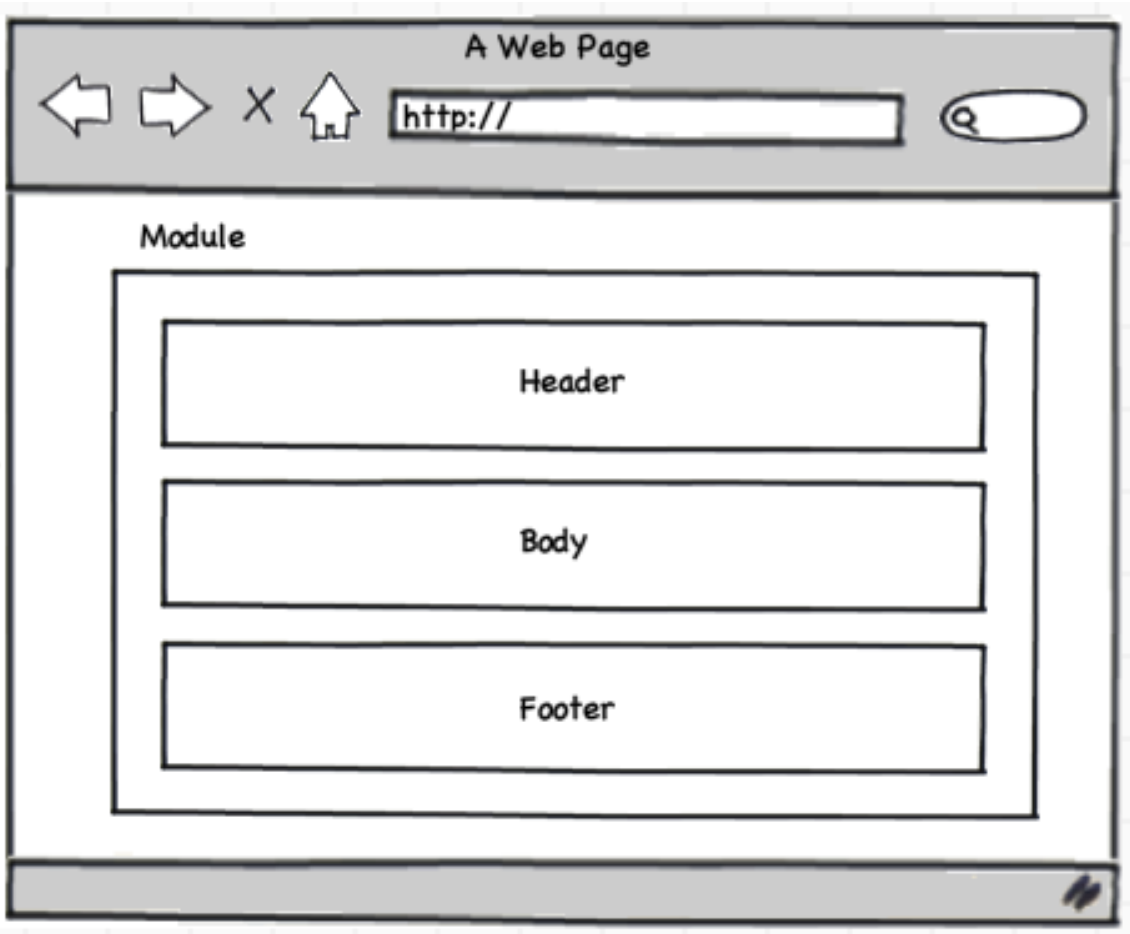
TREND MICRO

A Web Page

http://

END CRO

```
<div id="moduleA" class="module">
    <div class="hd">
        header
    </div>
    <div class="bd">
        body
    </div>
    <div class="ft">
        footer
    </div>
</div>
```



TREND MICRO

W3C Markup Validation

http://validator.w3.org/

TREND MICRO

CSS

TREND MICRO

CSS Reset

http://meyerweb.com/eric/tools/css/reset/

http://www.yahooapis.com/yui/reset/

TREND MICRO

YUI Font

<link rel="stylesheet"
type="text/css"
href="
http://
yui.yahooapis.com/
combo?2.9.0/build/reset-
fonts/reset-fonts.css">

If you want this size in pixels (px)	Declare this percent (%)
10	77
11	85
12	93 (was 93)
13	100
14	108 (was 107)
15	116 (was 114)
16	123.1 (was 122)
17	131 (was 129)
18	138.5 (was 136)
19	146.5 (was 144)
20	153.9 (was 152)
21	161.6 (was 159)
22	167
23	174
24	182
25	189
26	197

YUI Font
http://www.yahooapis.com/yui/fonts/

TREND MICRO

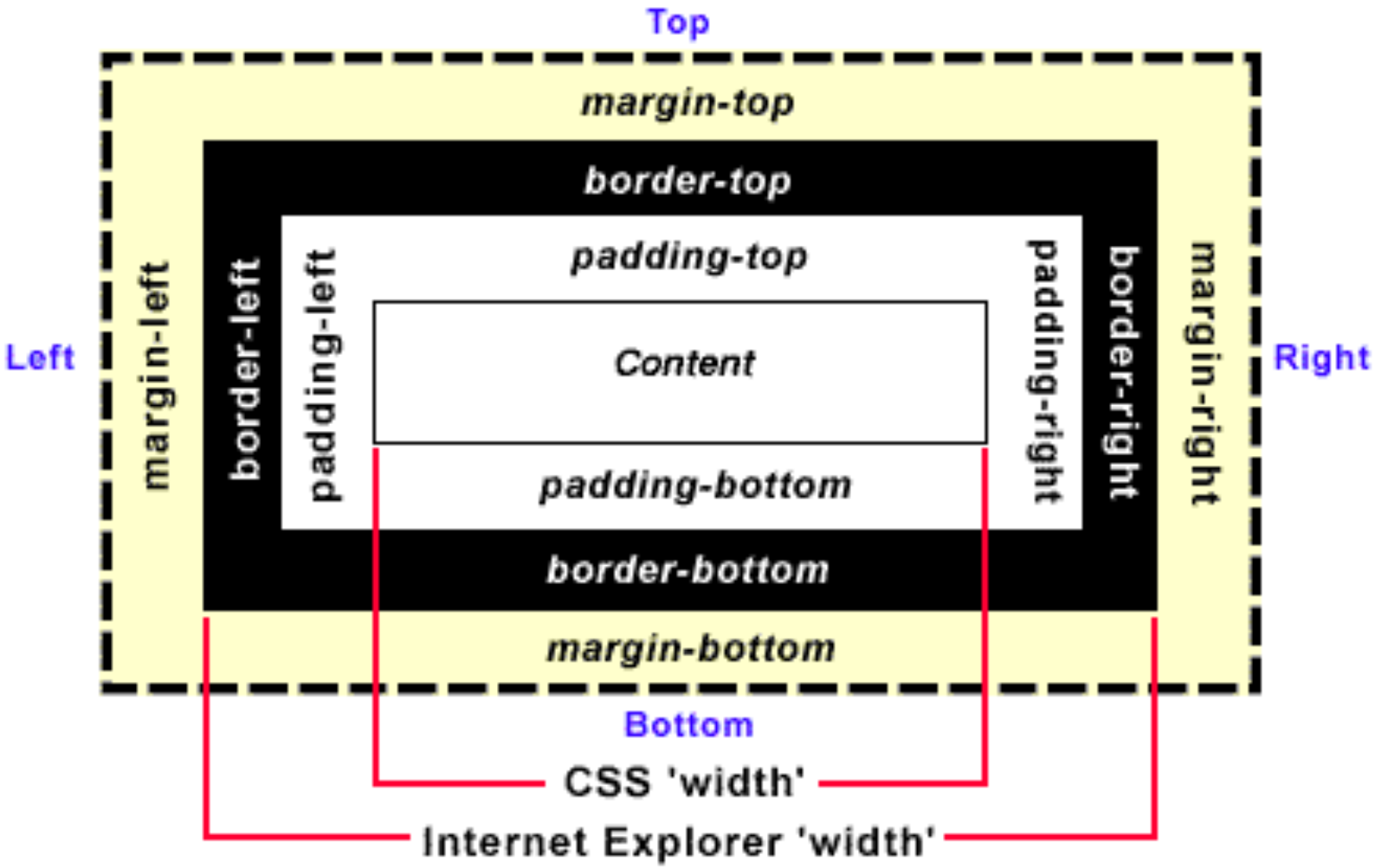
Workshop

Use YUI Font to make the same font size in all browser

TREND MICRO

Box Model

TREND MICRO


Top
margin-top
border-top
padding-top
margin-left
border-left
padding-left
Content
padding-right
border-right
margin-right
Left
Right
padding-bottom
border-bottom
margin-bottom
Bottom
CSS 'width'
Internet Explorer 'width'

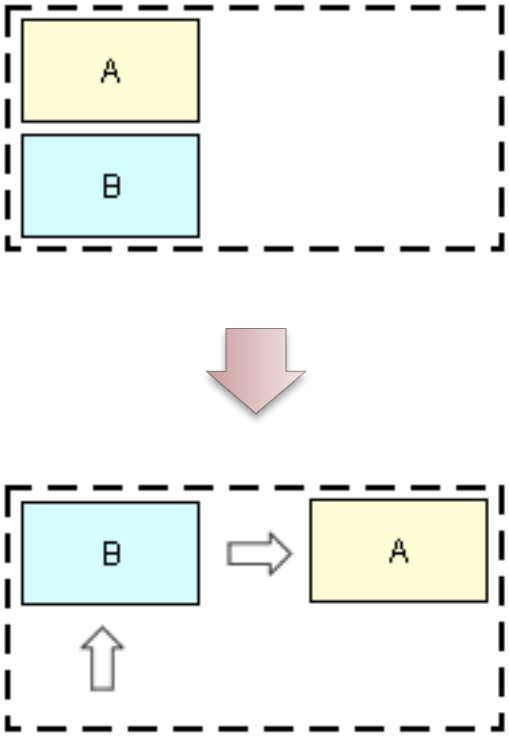
Workshop

Practice Box Model

TREND MICRO

Floating Elements

TREND MICRO



TREND MICRO

.clearfix

http://www.webtoolkit.info/css-clearfix.html

TREND MICRO

Workshop

Use .clearfix to clear float

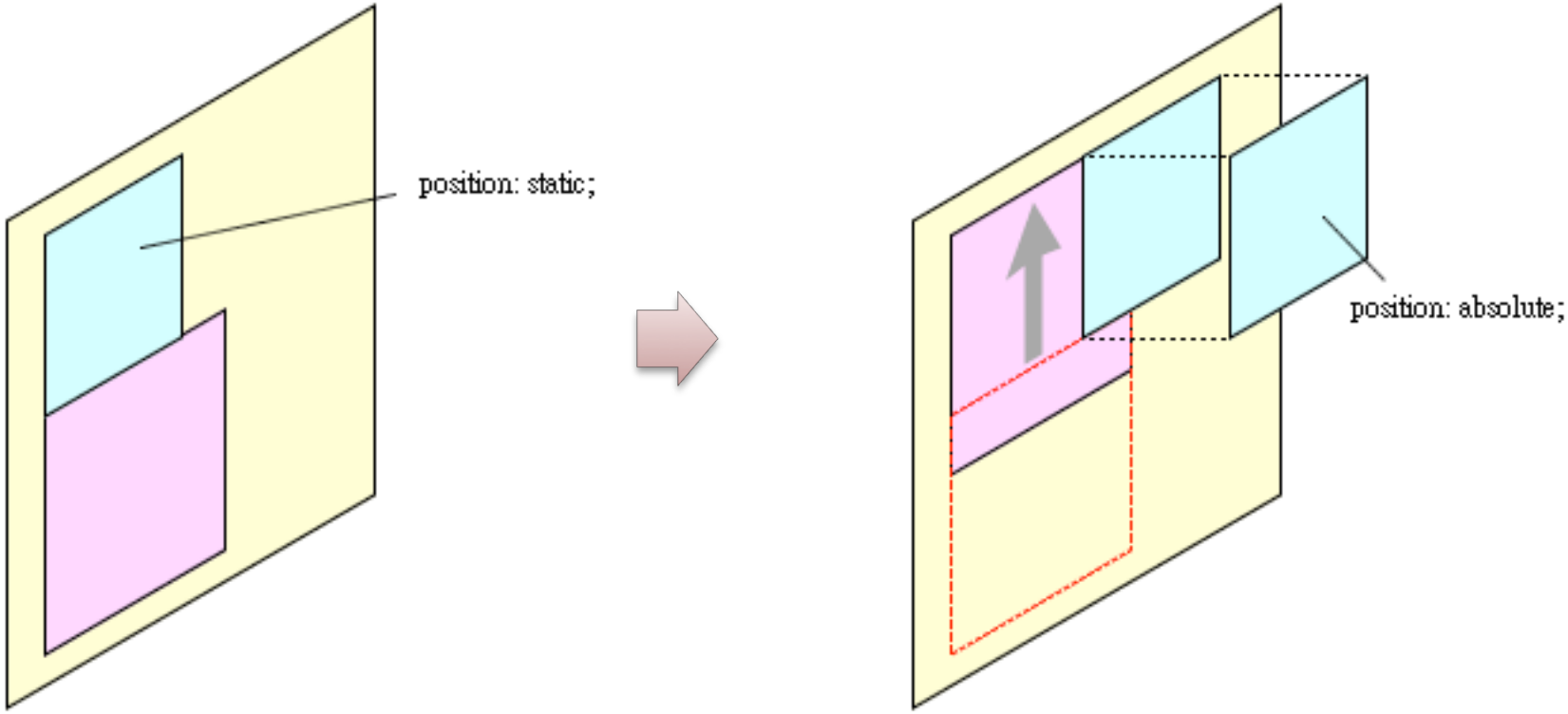
TREND MICRO

Positioning Model

position: static, absolute, relative, fixed;

top, bottom, left, right

TREND MICRO



TREND MICRO

Workshop

Practice position relative

TREND MICRO

CSS Round Corner, Shadow, Gradient

TREND MICRO

Shadow

http://www.webtoolkit.info/css-drop-shadow.html

TREND MICRO

CSS Sprite

http://spritegen.website-performance.org/

http://csssprites.org/

http://css-sprit.es/

http://csssprites.com/

TREND MICRO

CSS Lint

http://csslint.net/

TREND MICRO

W3C CSS Validation

http://jigsaw.w3.org/css-validator/

TREND MICRO

CSS 3

TREND MICRO

Round Corner

border-radius: 5px;

-webkit-border-radius: 5px;

-moz-border-radius: 5px;

border-top-right-radius:5px;

-webkit-border-top-right-radius:5px;

-moz-border-radius-topright:5px;

TREND MICRO

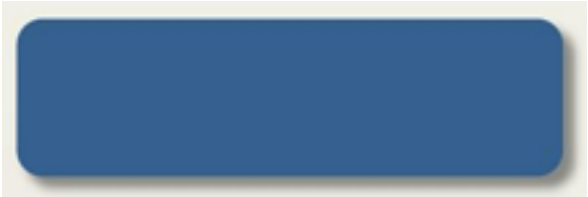
Shadow

box-shadow:5px 5px 5px #333;

-moz-box-shadow:5px 5px 5px #333;

-webkit-box-shadow:5px 5px 5px #333;

(horizontal offset, vertical offset, blur radius, color)



TREND MICRO

Workshop

Practice CSS 3 round corner and shadow

TREND MICRO

Homework

TREND MICRO

修改上次的作業

1. CSS Sprite
2. CSS Reset Font
3. CSS Lint
4. Browser Support

   (IE,Firefox,Chrome,Safari)
5. Javascript Panel

TREND MICRO

Commit before 2011/12/12 00:00

TREND MICRO

Reference

Trend FED Template

http://tw-hiesrv.tw.trendnet.org/uiwww/fed/webSolutionTemplate/pages/index.php

Trend UI Standard

http://tw-hie/ui_standards/

W3C QUALITY Assurance Tools

http://www.w3.org/QA/Tools/

TREND MICRO