Web Development



Eamonn de Leastar (edeleastar@wit.ie)

Department of Computing, Maths & Physics Waterford Institute of Technology

http://www.wit.ie

http://elearning.wit.ie





CSS: Box Model – Worked Examples

Web Development

What we want:

We definitely need some padding all around the content. don't forget, the lounge offers free wireless access to the Internet, ed bring your laptop. Our guarantee at the lawage, we've committed to Our guarantee: at the lounge, we re committed to providing you, our guest, providing you are quest, with an exceptional with an exceptional experience every experience every time you visit. Whather you're time you visit. Whether you re just Just stopping by to check in an email over an stopping by to check in on email over an elixir, or are here for an out-ofelicir, or are here for an out-of-the-ordinari) the-ordinary dinner, you'll find our dinner, you'll find our knowledgeable service knowledgeable service staff pay attention to every detail. If you're not fully satisfied single pay attention to every dated. If yes 're out have a Blueberry Bliss Elixir on us. fully satisfied, how a Blueberry Biss Huar on in-But that's not all; at night, join us in the backroom as our resident D) spins a choice selection of trance and drum&bass beats across our spacious tiki-themed dance floor. Or just hang And we want some more margin

We're also going to need a slightly different border. This border looks ragged, not like a solid line.

And we want some more margin space around the paragraph.

Add Padding

Welcome to the Head First Lounge

The Head First Lounge is, no doubt, the biggest trendsetter in Webville. eclectic offering of elixirs, teas, and coffees, or, stay a bit longer and e healthy ingredients.

free wireless access to the Internet, so bring your laptop.

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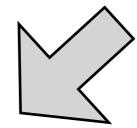
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During your stay at the lounge, you'll enjoy a smooth mixture of ambient and mystic sounds, filling the lounge and adding an extra dimension to your dining experience. The decor surrounds you with the relaxing sentiments of sights from eras past. And, don't forget, the lounge offers free wireless access to the Internet, so bring your laptop.

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 Can be either to a number of pixels or a percentage of area inside the border

```
border-color:
                       black;
border-width:
border-style:
                       solid;
background-color:
                      #a7cece;
                       25px;
paddina:
```

culinary menu that combines a harmony of taste, texture, and color with the best in fresh and healthy ingredients.

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Had we chosen %

```
.guarantee
{
  border-color:       black;
  border-width:       1px;
  border-style:       solid;
  background-color: #a7cece;
  padding:       25%;
}
```

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Add Margin

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During your stay at the lounge, you'll enjoy a smooth mixture of ambient ar But that's not all; at night, join us in the backroom as our resident DJ spins a choice selection of filling the lounge and adding an extra dimension to your dining experience. trance and drum&bass beats across our spacious tiki-themed dance floor. Or just hang out in you with the relaxing sentiments of sights from eras past. And, don't forget free wireless access to the Internet, so bring your laptop.

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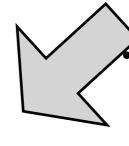
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one of our comfy white vinyl booths at the dance bar. You can have your elixirs delivered from the main lounge right to the dance floor. If you've had enough of the beat, just head back to the lounge area to relax. And, no matter where you find yourself in the lounge, you'll always be connected with our wireless Internet access.



Now we have 25 pixels of margin on all sides.

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guarantee

border-color: black; border-width: border-style: solid; background-color: #a7cece; paddina: 25px: margin: 30px:





- and background images:
 - An element, on the other hand, is used to include an image that has a more substantial role in the page, like a photo or a logo
 - A background image is pure presentation, and the only reason you would use a background-image is to improve the attractiveness of an element.
- We could have just placed the image inside the paragraph, and we could probably get the same look and feel, but the guarantee star is pure decoration
- It has no real meaning on the page and it's only meant to make the element look better. So, background-image makes more sense.

Background Image

Welcome

The Head First Lo

eclectic offering

- Image sits on top of the background color.
- Because it has a transparent background, it lets the color show through
- The background images, like the background color, only show under the content area and padding, and not outside the border in the margin

```
auarantee
              border-color:
                                      black:
              border-width:
                                      1px;
              border-style:
                                      solid;
              background-color:
                                      #a7cece;
              padding:
                                      25px;
              marain:
                                      30px:
                                      url(images/background.gif);
              background-image:
culinary menu th
healthy ingredients.
```

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- By default, background images are repeated.
- During your stay at the lounge, you'll enjoy a smooth mixture of ambient and mystic sounds, filling the lounge and adding an extra dimension to your dining experience. The decor surrounds you with the relaxing sentiments of sights from eras past. And, don't forget, the lounge offers free wireless access to the Internet, so bring your laptop.
- The no-repeat value for the backgroundrepeat property turns this off, so we get just one image.

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 By default, browsers position a background image in the top, left of the element But that's not all; at trance and drum&ba one of our comfy w the main lounge rig lounge area to relax connected with our

```
.guarantee
 border-color:
                        black;
 border-width:
                        1px;
 border-style:
                        solid;
  background-color:
                        #a7cece:
  padding:
                        25px:
                        30px:
 marain:
                        url(images/background.gif)
 background-image:
 background-repeat:
                        no-repeat;
  background-position:
                        top left
```

More Padding

- For padding, margins, and even borders, CSS has a property for every direction: top, right, bottom, and left.
- To add padding on the left side, use the padding-left property

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But that's not all; at night, trance and drum&bass beat .guarantee one of our comfy white viny the main lounge right to the border-color: black; lounge area to relax. And, border-width: 1px; connected with our wireless border-style: solid; background-color: #a7cece: <u>naddina:</u> 25px: padding-left: 80px; marain: 30px: url(images/background.gif); background-image: background-repeat: no-repeat: background-position: top left

More Margins

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url(images/background.gif);

no-repeat;

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```
guarantee
 border-color:
                        black:
 border-width:
                        1px;
 border-style:
                        solid;
 background-color:
                        #a7cece;
                        25px;
 padding:
   padding-left:
                        80px;
                        30px;
 margin:
                        250px;
   marain-riaht:
```

background-image:

background-repeat:

background-position: top left

t, join us in the backroom as our resident DJ spins a choice selection at across our spacious tiki-themed dance floor. Or just hang out rinyl booths at the dance bar. You can have your elixirs delivered the dance floor. If you've had enough of the beat, just head back to an atter where you find yourself in the lounge, you'll always be ess Internet access.

Using DIVs to define sections

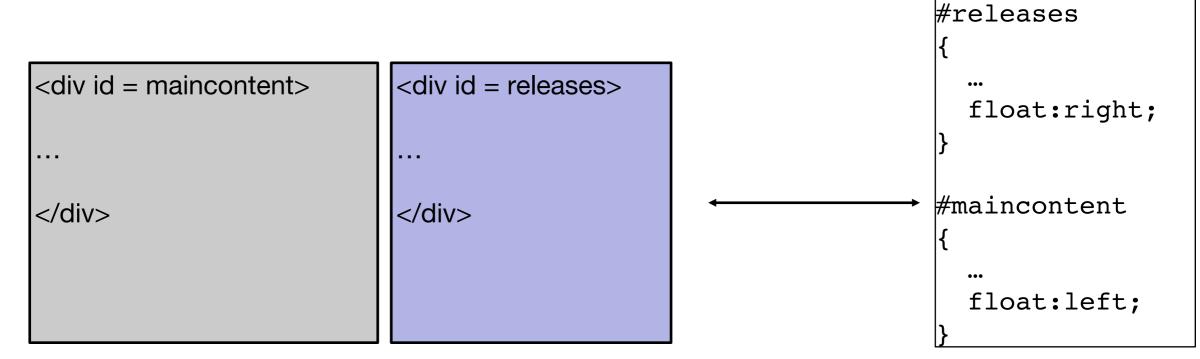
- While we have used the box model to specify space within (i.e., padding) and outside (i.e., margin) the border of an element, it can also be employed to specify the position of portions of text on the page
- We could, for example, add content related to new releases on the right hand-side and the main content on the left-hand side as illustrated in the next diagram, using a two-column layout

maincontent weeklyspecials

Using Divs to define

To achieve this we could do the following:

- •Use DIV elements as containers, one for the main content and one for the left content
- Allocate an ID to each of these divs
- •Create CSS rules for each DIVs so that they are floating to the left and right of the page, respectively



are posted out at noon FIRST CLASS, and should be at your doorstep by the next morning. When we dispatch your DVD/Game we'll send you an e-mail to advise you on which DVD/Game was dispatched to you. There are no late fees so you can watch or play at your leisure

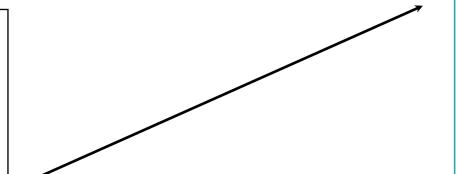


Once you finish watching your DVD or playing your Game you simply return it to us using the Pre-Paid envelope provided. Remember, As there are NO LATE FEEs, you can keep the DVD or Game for as long as you want, only the sooner you return the disc, the sooner we can send you your next available choice.

Directions

You'll find us right in the center of downtown Webville. If you need help finding us, check out our <u>detailed directions</u>. Come join us!

```
#weeklyspecials
  border-width: thin;
  border-style: solid;
  border-color: #007e7e;
  width: 150px;
  padding: 0px 20px 30px 10px
  margin-left: 20px;
  text-align: center;
  float:right;
```



You May Have Missed ...



The Girl with the Dragon Tattoo



Forty years ago,
Harriet Vanger
disappeared from a
family gathering on
the island owned and
inhabited by the
powerful Vanger clan.
Her body was never
found, yet her uncle is
convinced it was

```
#weeklyspecials
  border-width: thin;
  border-style: solid;
  border-color: #007e7e;
 width: 150px;
  padding: 0px 20px 30px 10px
  margin-left: 20px;
  text-align: center;
  float:right;
#maincontent
  float:left;
  width:800px;
```



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Now that you've experienced the lounge *virtually*, isn't it time to check us out *for real*? We're located right in the heart of Webville, and we've created some <u>detailed</u>

Weekly Elixir Specials



Lemon Breeze

The ultimate healthy drink, this elixir combines herbal botanicals, minerals, and vitamins with a twist of lemon into a smooth citrus wonder that will keep your immune system going all day and all night.



Chai Chiller

Not your traditional chai, this elixir mixes maté with chai spices and adds an extra chocolate kick for a caffeinated taste sensation on ice.



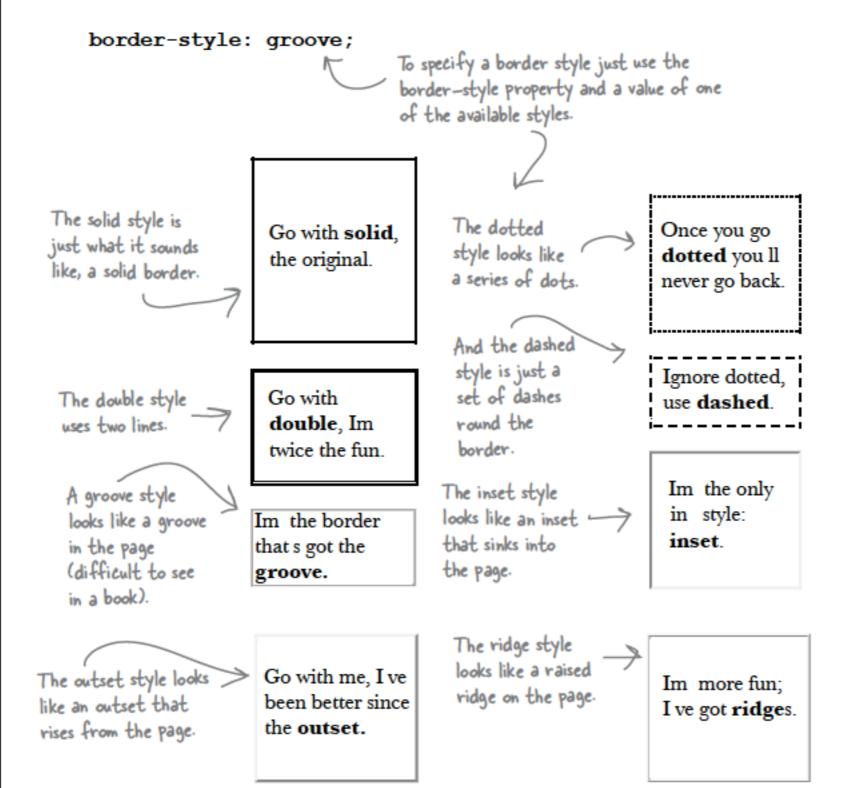
Black Brain Brew

Want to boost your memory?
Try our Black Brain Brew
elixir, made with black
oolong tea and just a touch of
espresso. Your brain will
thank you for the boost.

Join us any evening for these and all our other wonderful elixirs.

Border Style

The border-style property controls the visual style of the border. There are eight border styles available, from a solid line to dotted lines to ridges and grooves.



Border Width

The border-width property controls the width of the border. You can use keywords or pixels to specify the width.

border-width: thin;

border-width: 5px; <

You can specify widths using the keywords thin, medium, or thick, or by the number of pixels.

1px

2px 3px 4px 4px 5px thick 6px

Border Color

The border-color property sets the color of the border. This works just like setting font colors; you can use color names, rgb values, or hex codes to specify color.

border-color: red;

border-color: rgb(100%, 0%, 0%);

border-color: #ff0000;

Use border-color to specify the color of a border. You can use any of the common ways to specify color.



Specifying Border Sides

border-top-color border-top-style border-top-width

border-bottom-color border-bottom-style border-bottom-width border-right-color border-right-style border-right-width

border-left-color border-left-style border-left-width Just like margins and padding you can specify border style, width, or color on any side (top, right, bottom, or left):

border-top-color: black;

border-top-style: dashed;

border-top-width: thick;

These properties are for the top border only. You can specify each side of the border independently.