

COMSC-032

**Web Site Development-
Part 3**



Part-Time Instructor: Joenil Mistal

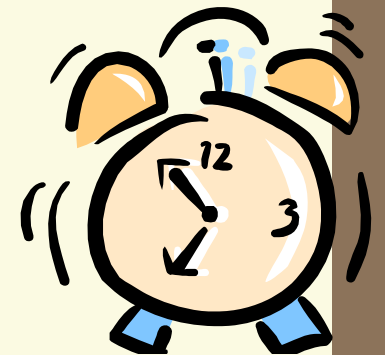
Lecture 2



CSS Box Model

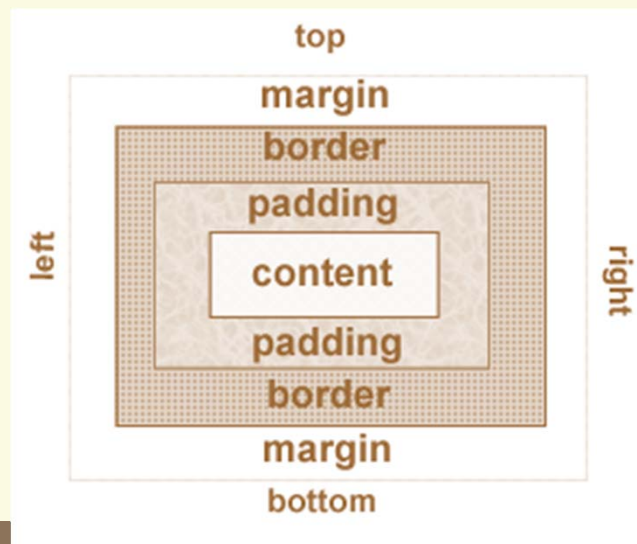
Lecture 2: Creating Style Sheets

- CSS Box Model
- Configuring Margin with CSS
- Configuring Padding with CSS
- Normal Flow
- CSS Page Layout using AP Layers



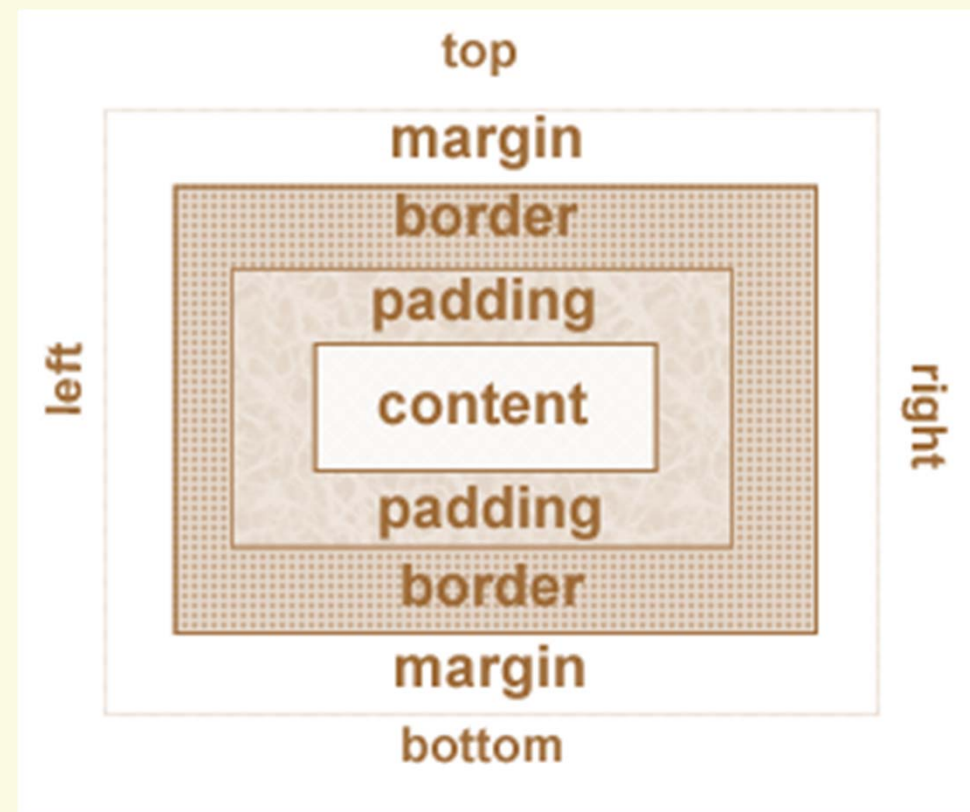
CSS Box Model

- Each element in a document is considered to be **rectangle box**.
- As shown below, this box consists of a content area surrounded by padding, a border, and margins.
- This is known as the box model.



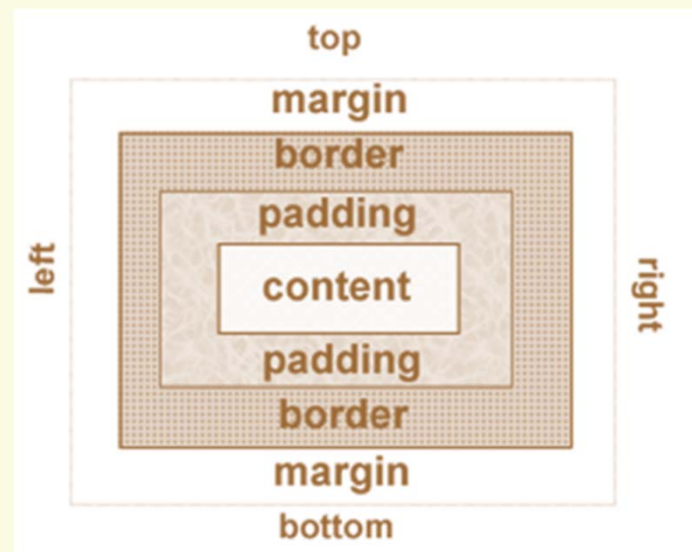
CSS Box Model

- **Content**
 - Text & web page elements in the container
- **Padding**
 - Area between the content and the border
- **Border**
 - Between the padding and the margin. Default value is 0
- **Margin**
 - Determines the empty space between the element and adjacent elements



Configure Margin with CSS

- Use the margin property to configure margins on the sides of an element.
- Related properties:
 - margin-top, margin-right, margin-left, margin-bottom
- Configures empty space between the element and adjacent elements



Configure Margin with CSS



Full Service Facility
The LMC Veterinarians and staff are on duty 24 hours a day, 7 days a week.

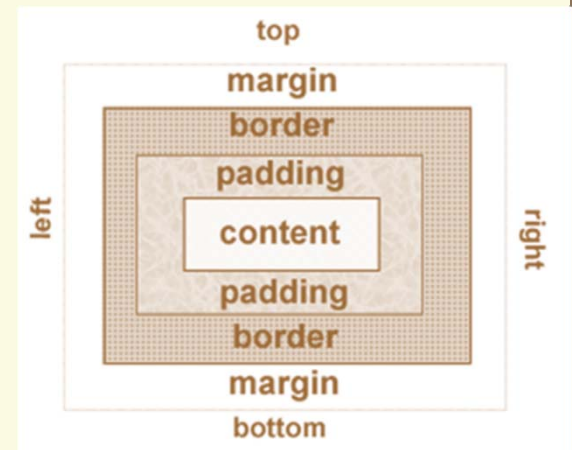
Years of Experience
LMC COMSC-032 Veterinarians have provided quality, dependable care for your beloved animals since 1984 in the Brentwood area community.

Open Door Policy
We understand the special role your pet plays in your family. Our staff welcome owners to stay with their pets during any medical procedure.

```
.image {  
  float: left;  
  margin-right: 15px;  
  border: 1px solid #000;  
}
```

Configure Padding with CSS

- The default padding value is zero
- Related properties:
 - padding-top, padding-right, padding-left, padding-bottom
- Configures empty space between the content of the HTML element (such as text) and the border



Configure Padding with CSS



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Years of Experience

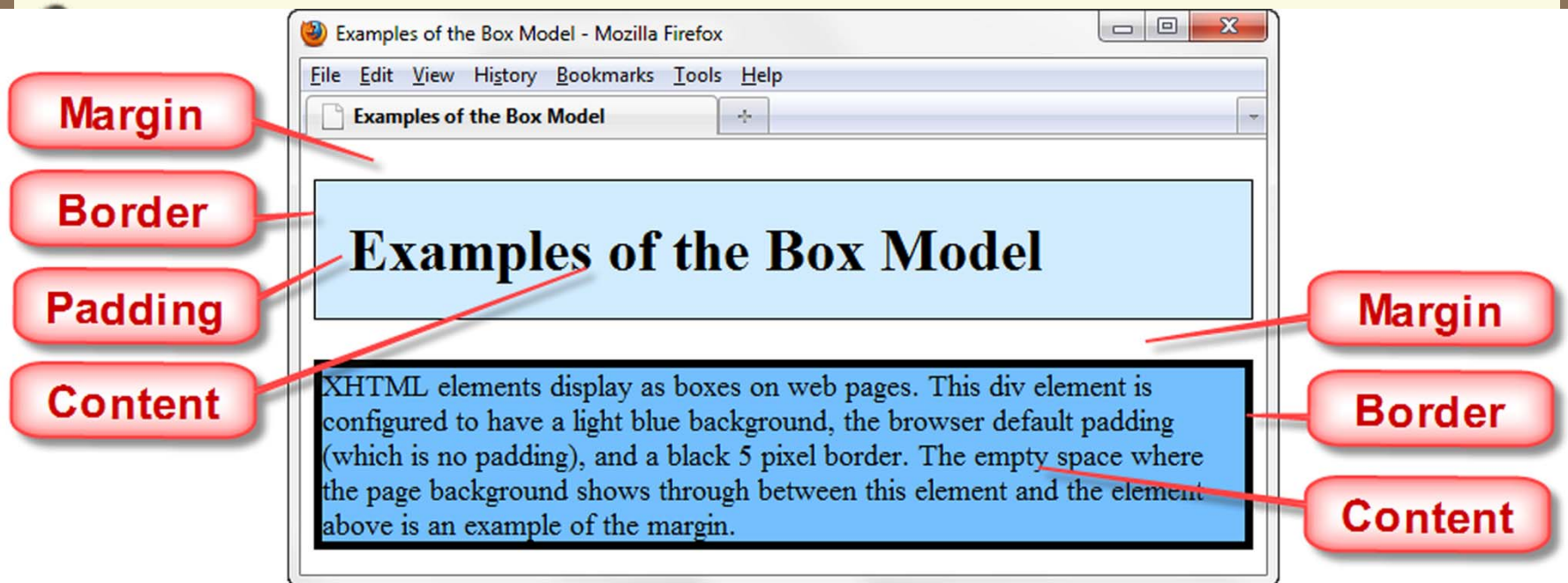
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```
#textContent {  
    position: absolute;  
    width: 760px;  
    height: 175px;  
    z-index: 2;  
    left: 0px;  
    top: 335px;  
    background-color: #D5E3FF;  
    padding-top: 10px;  
    padding-right: 20px;  
    padding-bottom: 10px;  
    padding-left: 20px;  
}
```

Box model in Action



Normal Flow

- Browsers render your web pages code line by line in the order it appears in the HTML document.
- **Normal flow** displays the elements on the page in the order they appear in the web page source code.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>LMC Animal Hospital</title>
<link href="mystyle.css" rel="stylesheet" type="text/css" />
</head>
<body>
<div id="wrapperDIV">
  <div id="parentAP">
    <div id="banner"></div>
    <div id="content"></div>
    <div id="navigation"></div>
    <div id="footer"></div>
  </div>
</div>
</body>
</html>
```



The screenshot shows the LMC Animal Hospital website. The header features the hospital's name and address. Below the header, there is a navigation menu and a main content area. The main content area includes a list of services, a photo of a dog, and a section about the hospital's experience and policies. The footer contains a navigation menu and copyright information.

LMC Animal Hospital
101 A Sand Creek Road, Brentwood, CA 94513 (925) 513-1625

Our World Class Veterinarian Services:

- Medical and Surgical
- Dental Care
- House Calls
- Emergencies

Full Service Facility
Veterinarians and staff are on duty 24 hours a day, 7 days a week.

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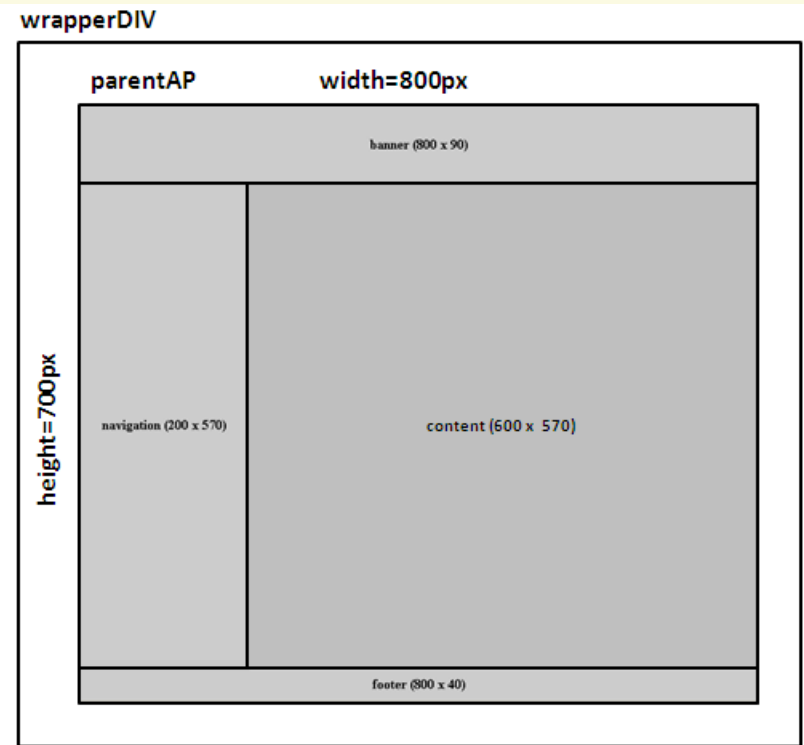
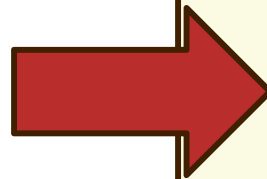
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CSS Page Layout using AP Layers

- The key to this layout is the parentAP is inside the wrapperDIV.
- The nested APs is inside the parentAP.

```
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<html xmlns="http://www.w3.org/1999/xhtml">  
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<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />  
<title>LMC Animal Hospital</title>  
</head>  
<body>  
  
<div id="wrapperDIV">  
  <div id="parentAP">  
    <div id="banner"></div>  
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</div>  
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CSS Page Layout using AP Layers



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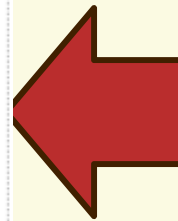
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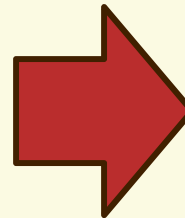
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With No CSS

With CSS



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