### Introduction

* Review Quiz 6 and Project 6
* Q&A

### Day 1 Topics

**Width, Height, and overflow**

* Width
  + A child element will auto fill to the parent's width unless the child has a set width
  + The child’s width can be set to less than or more than the parent’s width
  + The child’s surface is layered over the parent’s surface
  + The content in the child will autofill horizontally to the parent
* Height
  + A child element will auto fill to the parent's height unless the child has a set height
  + The child’s height can be set to less than or more than the parent’s height
  + The content will auto height the container, child and parent, unless a height is set on either
* Overflow
  + When content flows out of its container due to width and height restrictions
  + Make the container larger, or use overflow to hide or scroll the content
  + Options are: auto, hidden, scroll, or visible
  + Auto will select horizontal, vertical, and/or both scrollbars to be used
  + Scroll will select both scrollbars
  + Hidden will hide the overflow content and cannot be viewed
  + Visible removes prior overflow options and make the content visible again

<**!DOCTYPE html>**

**<html>**

**<head>**

<style**>**

**#parent** **{**

**width: 250px;**

**height:250px;**

**background-color:lightblue;**

**}**

**#child** **{**

/\* width: 225px;

height:225px;

background-color:yellow;

margin:13.5px;

float:left;

overflow:visible; \*/

**}**

</style**>**

</head**>**

<body**>**

<div id**="parent">**

<div id**="child">**

<p**>**<strong**>**Lorem Ipsum</strong**>** is simply dummy text of the printing and typesetting industry**.** Lorem Ipsum has been the industry's standard dummy text ever since the 1500s**,** when an unknown printer took a galley of type and scrambled it to make a type specimen book**.** It has survived not only five centuries**,** but also the leap into electronic typesetting**,** remaining essentially unchanged**.** It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages**,** and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum**.**</p**>**

</div**>**

</div**>**

</body**>**

</html**>**

**Box Sizing**

* So how big is your box?
  + If the content is set to a height and width of 200px, then the box size is 200 x 200
  + If you add 50px padding all the way around, then the box size is 300 x 300
  + If you add a 25px border all the way around, then the box size is 350 x 350
  + So in this example the box size of the content has almost doubled
* Without height restrictions
  + Since the content will autofill horizontally, the height is not always known
  + Browsers have a tool to inspect elements on a web page that can give you the height at a given point. Any modifications to the width of the content, then the height will be adjusted
* \*{ box-sizing: border-box; }
  + This global setting will force the border and padding inward instead of expanding
  + So in the original example, the box size would be 200 x 200 and not 350 x 350

### 

### Day 2 Topics

* Discuss Project 7

**Float**

* None - removes all prior float properties
* Left - floats the container to the left side of the parent
* Right - floats the container to the right side of the parent
* Inherit - inherits the parent’s float property
* Floated containers auto size to fit content
* Non-floated containers will auto fill the parent’s container
* Non-floated containers content will fill in around floated containers

**Clear Floats**

* Allows you to clear the container sides of any floats
* Clear left will force the container down low enough so that no floated containers are to its left
* Clear right does the same, but to the right. It also stretches the container to the width of the parent
* Clear both will clear both sides and the container will auto-fill the width of the parent

<**!DOCTYPE html>**

**<html>**

**<head>**

**<style>**

**#main** **{**

**background-color: aquamarine;**

**width:365px;**

**height:150px;**

-float**:left;**

-overflow**:auto;**

**}**

**#box1** **{**

**background-color: coral;**

**padding: 5px 15px;**

-float**:left;**

**}**

**#box2** **{**

**background-color: seashell;**

**padding: 5px 15px;**

-float**:right;**

**}**

**#box3** **{**

**background-color: tan;**

**padding: 5px 15px;**

-float**:left;**

-clear**: both;**

**}**

**#outside** **{**

**background-color: tomato;**

**padding: 5px 0 5px 380px;**

-float**:right;**

-clear**:left;**

**}**

</style**>**

</head**>**

<body**>**

<div id**="main">**

<div id**="box1">**box 1 box 1 box 1 box 1<br**>**box 1 box 1 box 1 box 1<br**>**

box 1 box 1 box 1 box 1<br**>**box 1 box 1 box 1 box 1</div**>**

<div id**="box2">**box 2 box 2 <br**>**box 2 box 2<br**>**box 2 box 2<br**>**

box 2 box 2 <br**>**box 2 box 2</div**>**

<div id**="box3">**box 3 box 3 box 3 box 3 box 3 box 3 box 3 box 3</div**>**

</div**>**

<div id**="outside">**outside</div**>**

</body**>**

</html**>**