PART 2 — HTML REVIEW

HTML TAGS

<a>	*Defines a hyperlink* **href**
<blockquote>	*Defines a long quotation*
** ** or ** **	*Inserts a single line break*
<em>	*Defines emphasized text*
<h1> to <h6>	*Defines header 1 to header 6*
<img>	*Defines an image* **alt, src**
<hr>	*Defines a horizontal rule*
<div>	*Defines a section in a document (block-level)*
<span>	*Defines a section in a document (block-level)*

** **	*Defines a list item*
<nav>	*Defines navigation links*
** **	*Defines an ordered list*
<p>	*Defines a paragraph*
<q>	*Defines a short quotation*
<strong>	*Defines strong text*
** **	*Defines an unordered list*

PART 2 — CSS REVIEW

COLOR:

color	*css color unit (hex, rgb, hsl, etc.)*
background-color	*css color unit (hex, rgb, hsl, etc.)*

TEXT:

text-align	*left, right, center, justify*	**font-weight**	*normal, bold*
text-decoration	*none, underline, line-through*	**font-style**	*normal, italic, oblique*
text-transform	*none, capitalize, uppercase, lowercase*	**font-family**	*family name, serif, sans-serif*
line-height	*normal, number(1.5), length(20px)*	**font-size**	*length(12px, 24px, etc.)*

BOX MODEL CSS:

height	*auto, length , %*	**border**	*border-width border-style border-color*
width	*auto, length, %*	**border-top** **border-right** **border-bottom** **border-left**	*border-width border-style border-color*
margin	*margin top margin right*		
margin-top **margin-right** **margin-bottom** **margin-left**	*auto , length, %*	**border-width**	*width(example: 3px)*
padding	*padding top padding right padding bottom padding left*	**border-style**	*none, hidden, dotted, dashed, solid, double, groove, ridge, inset, outset*
padding-top **padding-right** **padding-bottom** **padding-left**	*auto , length, %*	**border-color**	*color*

PART 4 – INTRO TO JQUERY

JQUERY METHODS:

```
$('#heading').html('Your Name');
$('.main').find('h1').addClass('warning');
```

EVENTS:

```
$('li').on('click', function() {
    // Code to execute goes here
});
```

SELECTORS:

`$('.className')`	*class selector*
`$('#idName')`	*id selector*
`$('h1, h2, h3')`	*multiple selectors*
`$('li a')`	*descendent selector*

`$('h1 > a')`	*direct child selector*
`$('h1 + a')`	*adjacent sibling selector*
`$('h1 ~ a')`	*general sibling selector*

GETTING/SETTING CONTENT

`$('p').html('Hello');`

`$('img').attr('src', 'images/fun.png');`

`$('.alert').css('color', '#00FF00');`

`$('p').addClass('success');`

`$('p').removeClass('error')`

EFFECTS/ANIMATION

`$('p').show(300);`

`$('p').hide(500);`

`$('div').fadeIn('slow');`

`$('h2 a').fadeOut('fast')`

`$('p').slideUp(350);`

`$('p').slideDown(600);`

`$('h1').slideToggle(300);`

DEBUGGING

`alert('Message to pop up')`

PART 6 – JS FUNDAMENTALS

VARIABLES:

Declaring a variable: `var age;`
Assigning a variable: `age = 29;`
Both in one step: `var age = 29;`

CONDITIONALS

```
if (condition) {
    // do something
}
```

```
if (condition) {
    // do something
} else {
    // do something else
}
```

```
if (condition) {
    // do something
} else if (condition){
    // do something else
} else {
    // do something else
}
```

STRINGS:

Escaping strings: 'It\'s a beautiful day'   "They \"purchased\" it"

SOME USEFUL STRING METHODS:

myString.toLowerCase()	*Converts a string to lowercase letters*
myString.toUpperCase()	*Converts a string to uppercase letters*

STRING PROPERTIES:

myString.length	*Returns the length of a string*

NUMBERS:

Integers: Whole numbers *Examples: 3, 4, 5*

Floats: Uses a decimal to represent a fraction *Example: 3.5, 4.75*

TYPE CONVERSION

`parseFloat(myString)`	*Convert string to float*
`parseInt(myString, 10)`	*Convert string to integer*
`number.toString()`	*Convert number to string*

ARITHMETIC OPERATORS

`+,-,*,/`	*Addition, Subtraction, Multiplication, Division*

COMPARISON OPERATORS

`==`	*Equal to*	`>`	*Greater than*
`===`	*Strict equal to*	`<`	*Less than*
	Not equal to	`>=`	*Greater than or equal to*
`!==`	*Strict not equal to*	`<=`	*Less than or equal to*

LOGICAL OPERATORS

`&&`	*and*
`||`	*or*
`!`	*not*

SOME USEFUL METHODS:

alert()	*Creates a dialog box with message*
console.log()	*Write data from a script to the console.*