INTERACTION PROGRAMMING 2

인터랙션 프로그래밍 2

jQuery Manipulation

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jQuery Manipulation

DOM 전체, 부분에 대한 조작을 할 수 있다.

다양한 방식으로 조작하여 DOM 구조를 변형 할 수 있다.

DOM 이외의 일반 속성, 스타일의 조작도 가능하다.

Class 클래스

DOM Insertion 삽입

DOM Removal 제거

DOM Replacement 교체

Copying 복사

General Attributes 속성 정보

Style Properties 스타일 정보

Class

Class

```
//Class.
$(this).addClass();
```

Class

```
//Class.
$(this).addClass();
$(this).hasClass();
```

Class

```
//Class.
$(this).addClass();
$(this).hasClass();
$(this).removeClass();
```

Class

```
//Class.
$(this).addClass();
$(this).hasClass();
$(this).removeClass();
$(this).toggleClass();
```

Class - .addClass()

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

Class - .addClass()

```
$('li').addClass(function(index){
    return 'item-' + index;
});
```

Class - .hasClass()

```
$('#menu-1').hasClass('active');
```

Class - .hasClass()

```
$('#menu-1').hasClass('active selected');
```

Class - .removeClass()

```
$('p').removeClass('active');
```

Class - .removeClass()

```
$('p').removeClass('active');
$('p').removeClass('active').addClass('selected');
```

Class - .removeClass()

```
$('li:last').removeClass(function(){
    return $(this).prev().attr('class');
});
```

Class - .toggleClass()

```
$('#menu-1').toggleClass(className, addOrRemove);
```

Class - .toggleClass()

```
if(addOrRemove){
    $('#menu-1').addClass(className);
}else{
    $('#menu-1').removeClass(className);
}
```

Class - .toggleClass()

```
$('#menu-1').toggleClass(function(){
    if($(this).parent().is('.bar')){
        return 'happy';
    }else{
        return 'sad';
    }
});
```

DOM Insertion

Around 선택된 특정노드 전체 영역에 DOM 삽입

Inside 선택된 특정노드의 안 쪽 영역에 DOM 삽입

Outside 선택된 특정노드의 바깥 쪽 영역에 DOM 삽입

Around

DOM Insertion :: Around

```
//DOM Insertion, Around
$(this).wrap();
$(this).unwrap();
```

DOM Insertion :: Around - .wrap(), .unwrap()

```
$('p').wrap('<div></div>');
$('p').unwrap();
```

DOM Insertion :: Around - .wrap(), .unwrap()

```
var $p = $('p');
$('button').click(function(){
    if($p.parent().is('div')){
        $p.unwrap();
    }else{
        $p.wrap('<div></div>');
    }
});
```

```
$('p' ).wrapAll('<div></div>');
$('span').wrapAll('<div><div><p><em><b></b></em></p></div></div>');
$('p').wrapAll(document.createElement('div'));
$('p').wrapAll($('.p-container'));
```

DOM Insertion :: Around - .wrapInner()

```
$('.item').wrapInner('<span class="title">Title</span>');
```

DOM Insertion :: Around - .wrapInner()

```
$('.inner').wrapInner(function(){
    return '<div class="' + this.nodeValue + '"></div>';
});
```

Inside

DOM Insertion :: Inside

```
//DOM Insertion, Inside
$(this).append();
.appendTo(this);
```

DOM Insertion :: Inside

```
//DOM Insertion, Inside
$(this).append();
.appendTo(this);
$(this).prepend();
.prependTo(this);
```

DOM Insertion :: Inside

```
//DOM Insertion, Inside
$(this).append();
.appendTo(this);
$(this).prepend();
.prependTo(this);
$(this).html();
```

DOM Insertion :: Inside

```
//DOM Insertion, Inside
$(this).append();
.appendTo(this);
$(this).prepend();
.prependTo(this);
$(this).html();
$(this).text();
```

DOM Insertion :: Inside - .append(), .appendTo()

```
$('.item').append('<p>Hello</p>');
$('<p></p>').appendTo('.item');
```

DOM Insertion :: Inside - .prepend(), .prependTo()

```
$('.item').prepend('<p>Hello</p>');
$('<p></p>').prependTo('.item');
```

DOM Insertion :: Inside - .html()

```
$('.item').html('New contents');
```

DOM Insertion :: Inside - .text()

```
var pText = $('p:first').text();
$('p:last').html(pText);
```

Outside

DOM Insertion :: Outside

```
//DOM Insertion, Outside
$(this).after();
```

DOM Insertion :: Outside

```
//DOM Insertion, Outside
$(this).after();
$(this).before();
```

DOM Insertion :: Outside - .after()

```
$('.item').after('<p>Hello</p>');
```

DOM Insertion :: Outside - .after()

```
$('p').after(function(){
    return '<div>' + this.className + '</div>';
});
```

DOM Insertion :: Outside - .insertAfter()

```
$('<p>Hello</p>').insertAfter('.item');
$('p').insertAfter('#menu-1');
```

DOM Insertion :: Outside - .before()

```
$(this).before();
```

DOM Insertion :: Outside - .before()

```
$('.item').before('<p>Hello</p>');
```

DOM Insertion :: Outside - .insertBefore()

```
$('<p>Hello</p>').insertBefore('.item');
$('p').insertBefore('#menu-1');
```

DOM Removal

DOM Removal

```
//DOM Removal
$(this).detach();
```

DOM Removal

```
//DOM Removal
$(this).detach();
$(this).empty();
```

DOM Removal

```
//DOM Removal
$(this).detach();
$(this).empty();
$(this).remove();
```

DOM Removal

```
//DOM Removal
$(this).detach();
$(this).empty();
$(this).remove();
$(this).unwrap();
```

DOM Removal - .detach()

```
$('p').detach();
```

DOM Removal - .empty()

```
$('p').empty();
```

DOM Removal - .remove()

```
$('p').remove();
```

DOM Removal - .remove()

```
$('p').remove(':contains("Hello")');
```

DOM Replacement

DOM Replacement

```
//DOM Replacement
$(this).replaceAll('p');
```

DOM Replacement

```
//DOM Replacement
$(this).replaceAll('p');
$(this).replaceWith();
```

DOM Replacement - .replaceAll()

```
$('<b>Hello</b>').replaceAll('p');
```

DOM Replacement - .replaceWith()

```
$('p').replaceWith('<b>Hello</b>');
```

Copying

Copying

```
//Copying.
$(this).clone();
```

Copying

```
$('.hello').clone().appendTo('.goodbye');
$('.goodbye').append($('.hello').clone());
```

General Attributes

General Attributes

```
//General Attributes
$(this).attr('checked');
```

General Attributes

```
//General Attributes
$(this).attr('checked');
$(this).prop('checked');
```

General Attributes

```
//General Attributes
$(this).attr('checked');
$(this).prop('checked');
$(this).is(':checked');
```

General Attributes - .attr()

```
$(this).attr('title', 'Attribute title');
$(this).attr('alt', 'Alt text');
```

General Attributes - .attr()

```
$(this).removeAttr('title');
$(this).removeAttr('alt');
```

General Attributes - .prop()

```
$(this).prop('disabled', false);
$(this).prop('checked', true);
```

General Attributes - .prop()

```
$('input[type="checkbox"]').prop('disabled', true);
```

General Attributes - .prop()

```
$('input[type="checkbox"]').prop('disabled', true);
$(this).prop();
```

General Attributes - .prop(), .val()

```
$('input[type="checkbox"]').prop('disabled', true);
$(this).prop();
$(this).val();
```

Style Properties

Style Properties

```
//Style Properties
$(this).css();
```

Style Properties

```
$(this).css('color', '#000');
$(this).css({'background-color' : '#000', 'colro' : '#fff'});
$(this).css('width', '+=200');
```

Style Properties - Dimension

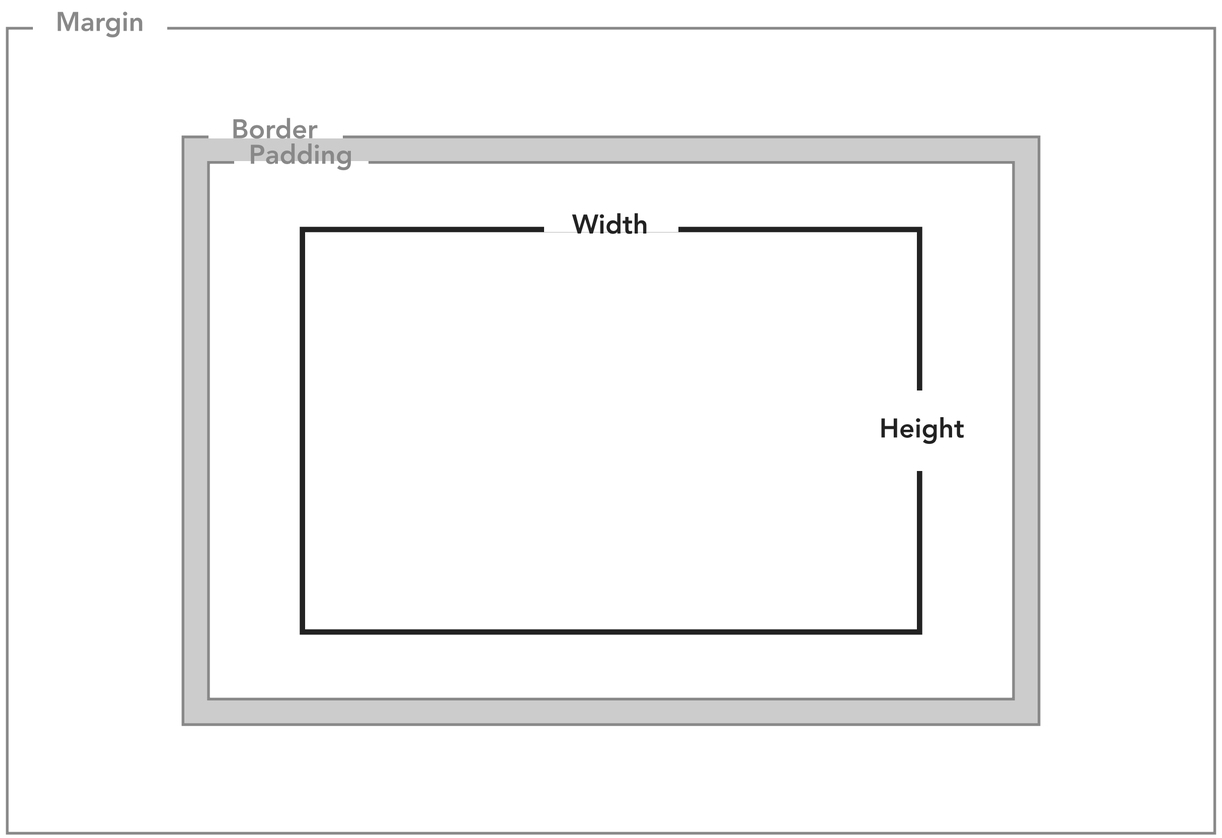
```
$(this).width();
$(this).innerWidth();
$(this).outerWidth();
$(this).outerWidth(true);
```

Style Properties - Dimension

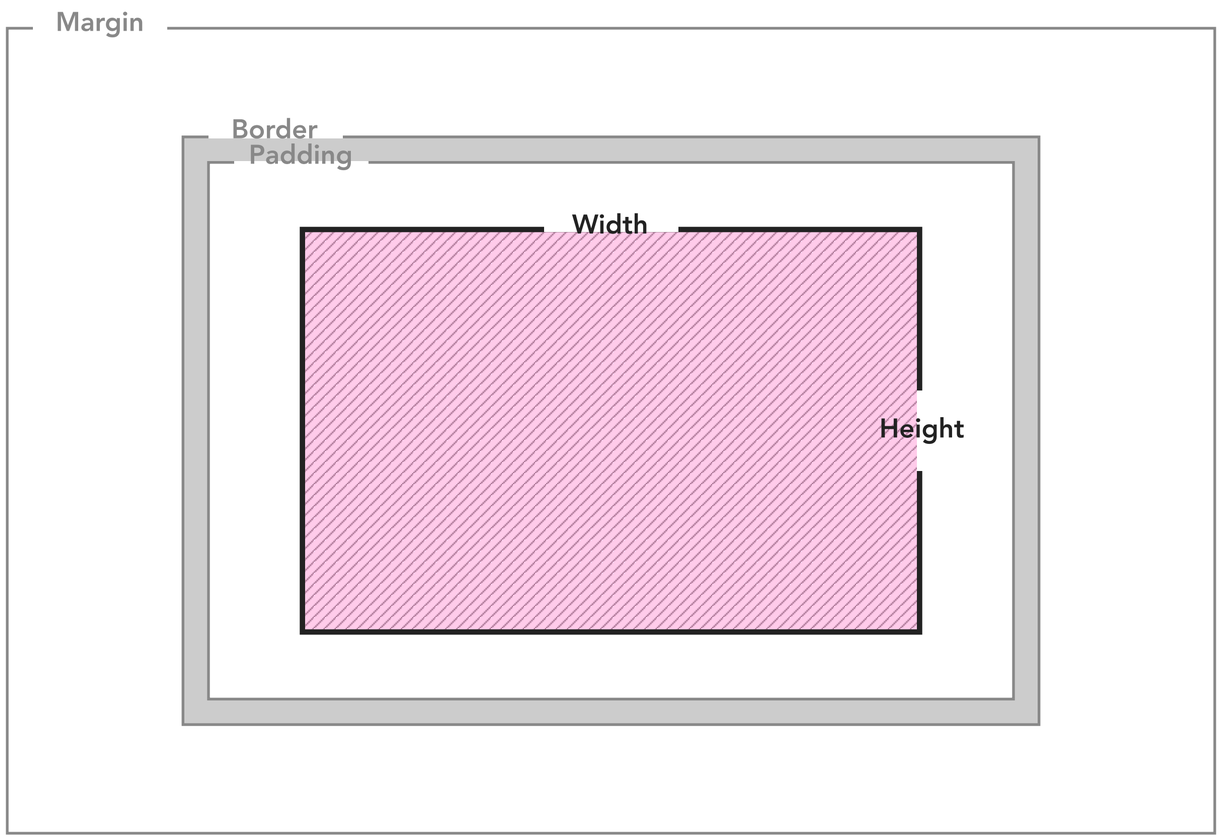
```
$(this).width();
$(this).innerWidth();
$(this).outerWidth();
$(this).outerWidth(true);

$(this).height();
$(this).innerHeight();
$(this).outerHeight();
$(this).outerHeight(true);
```

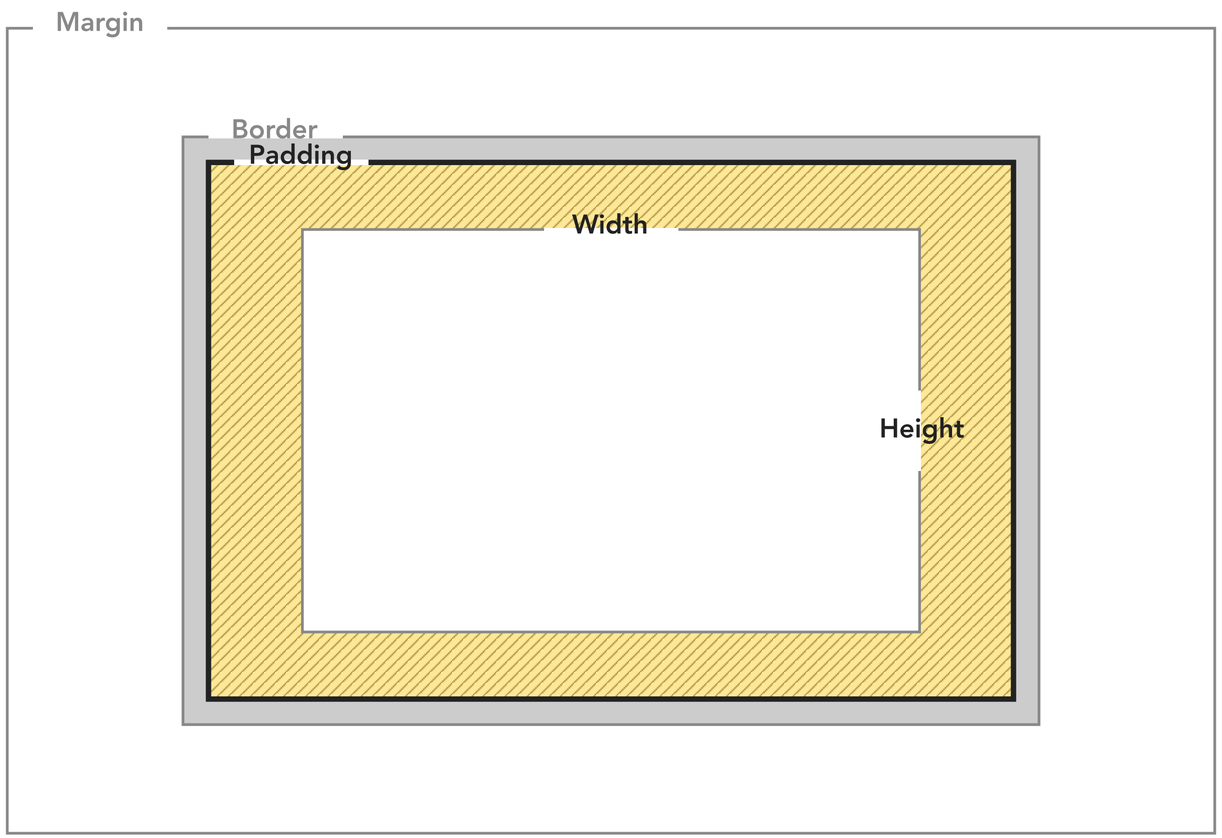
Style Properties - Dimension



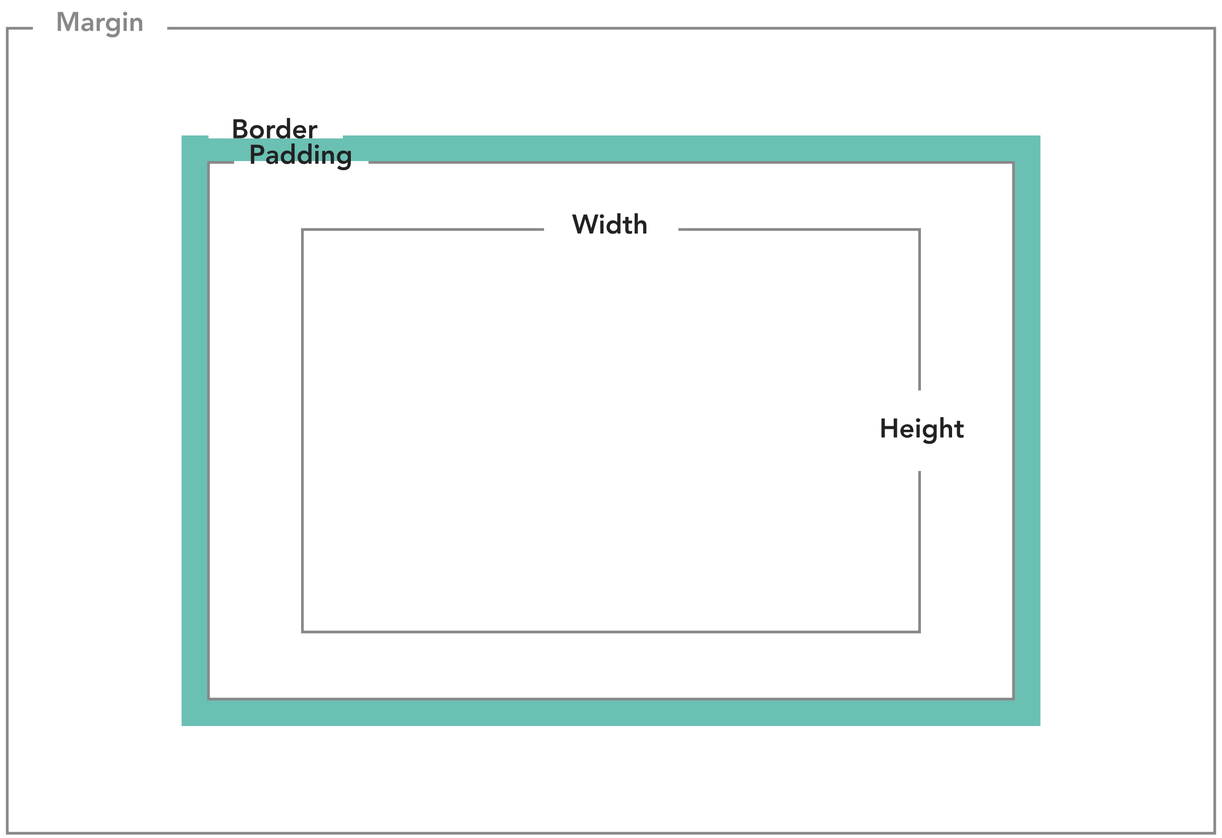
Style Properties - Dimension



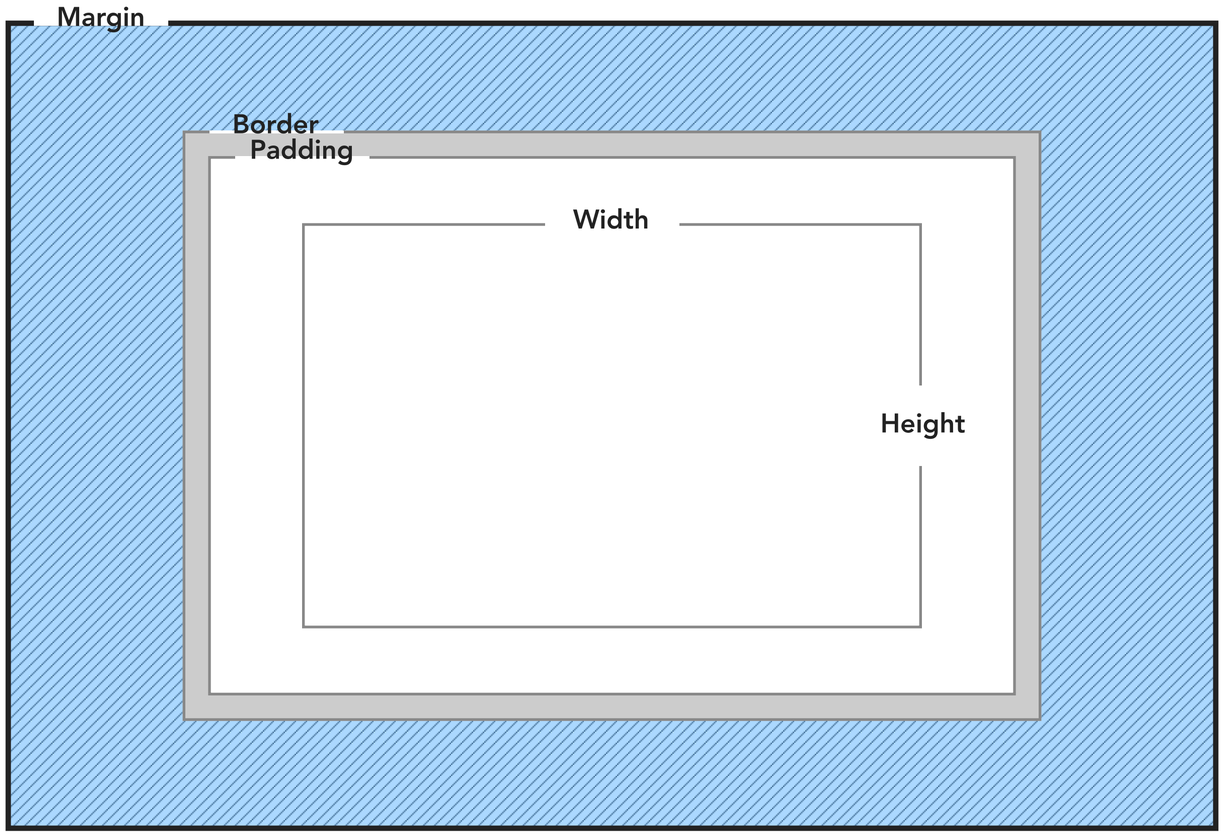
Style Properties - Dimension



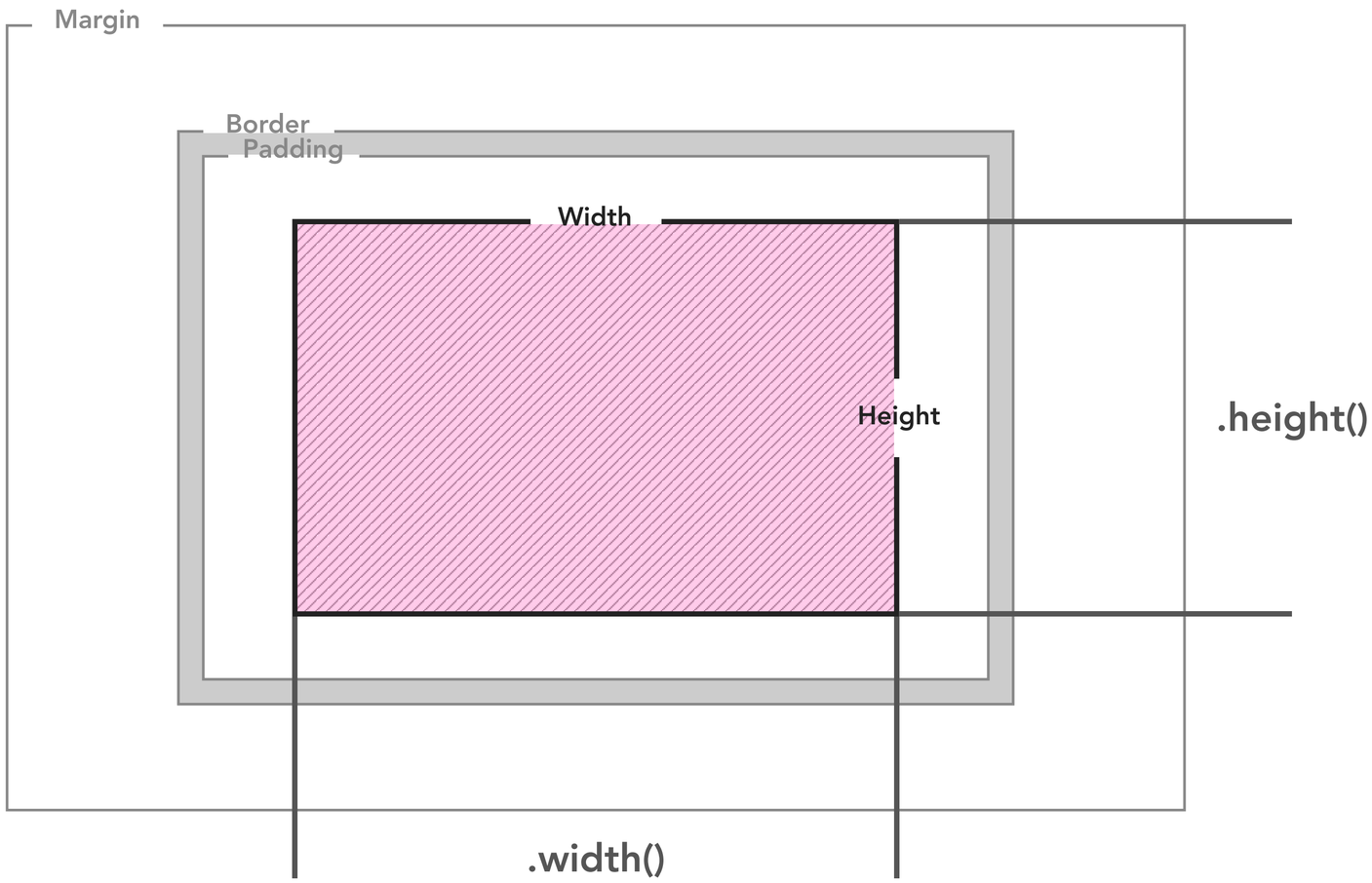
Style Properties - Dimension



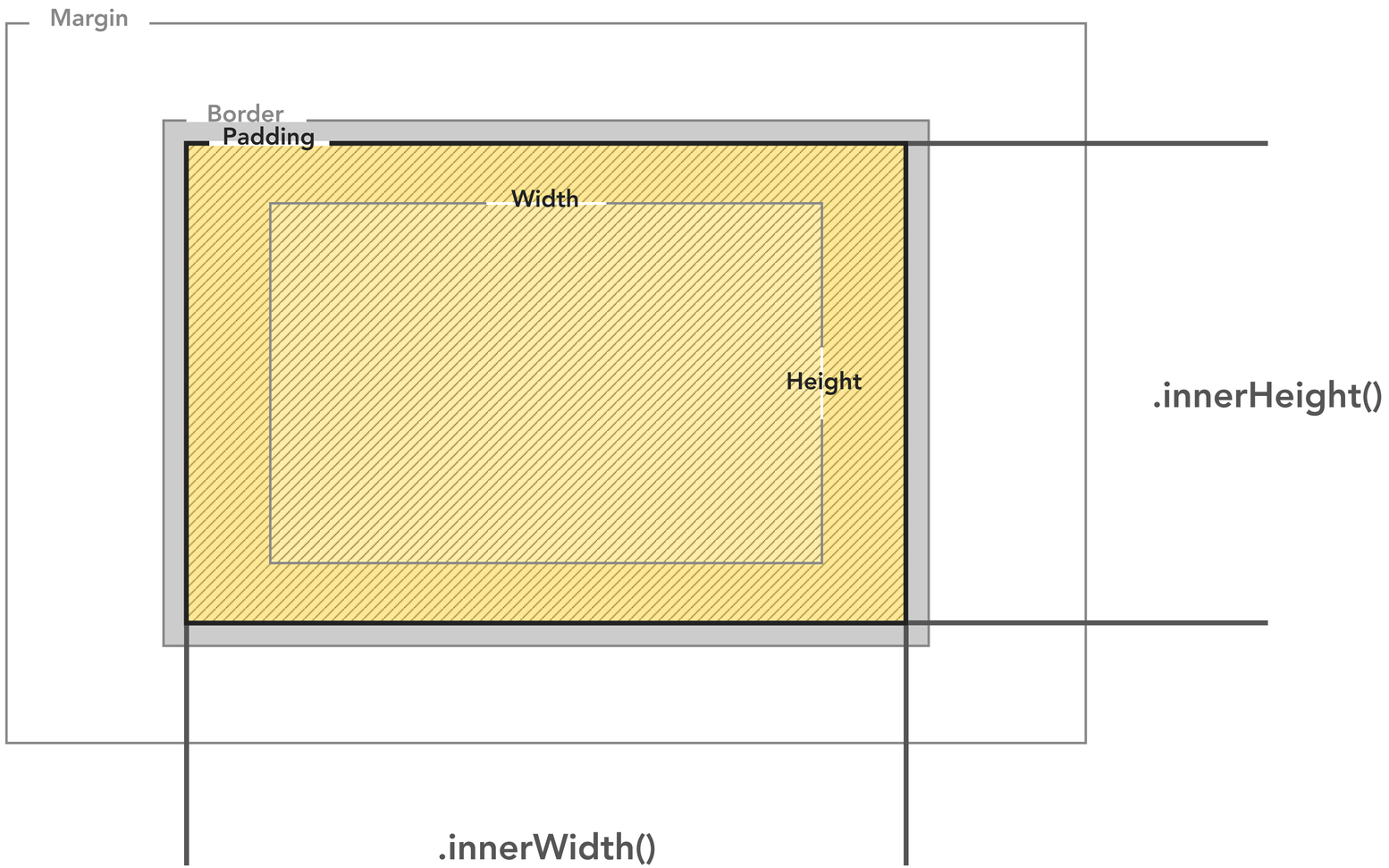
Style Properties - Dimension



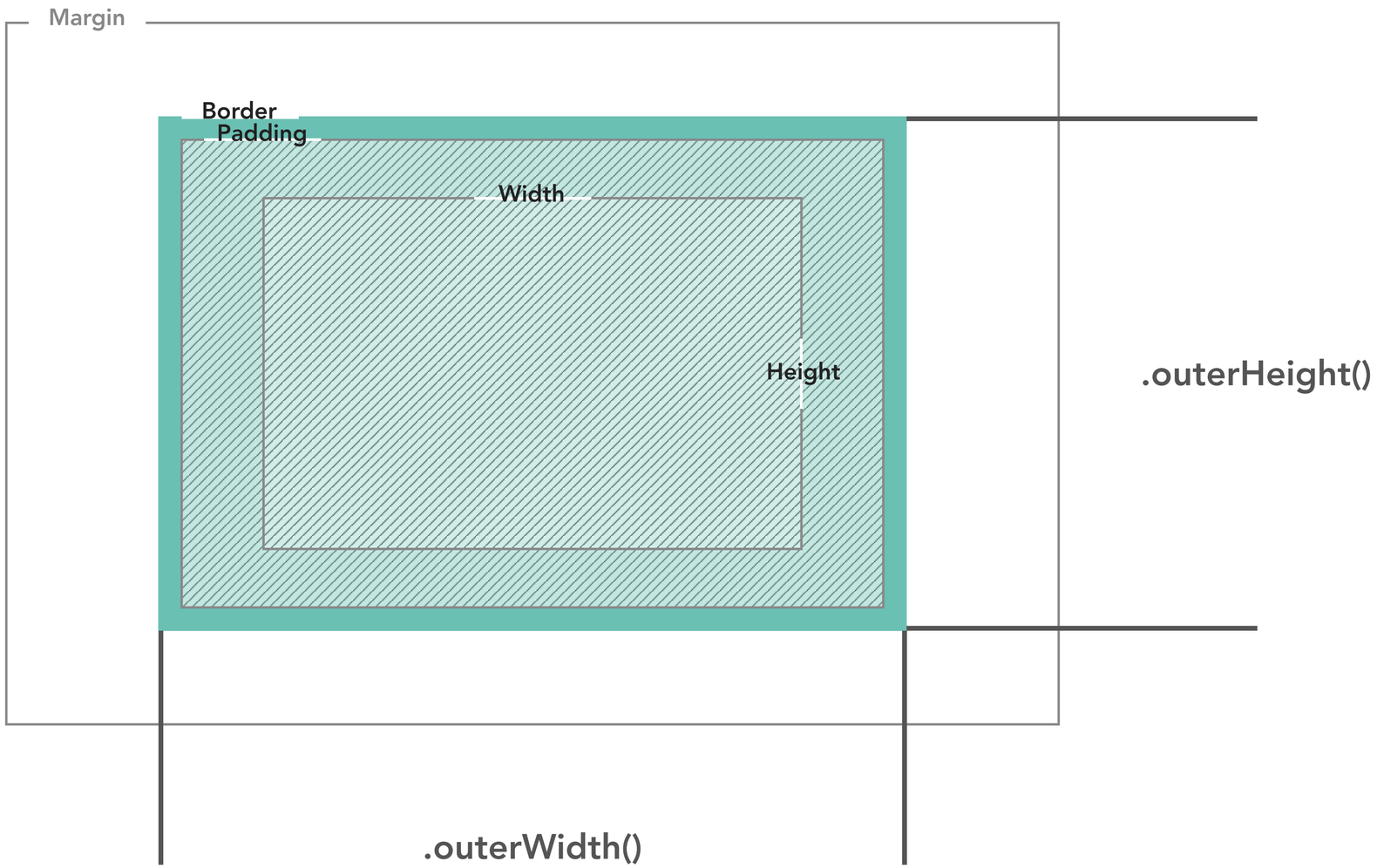
Style Properties - Dimension



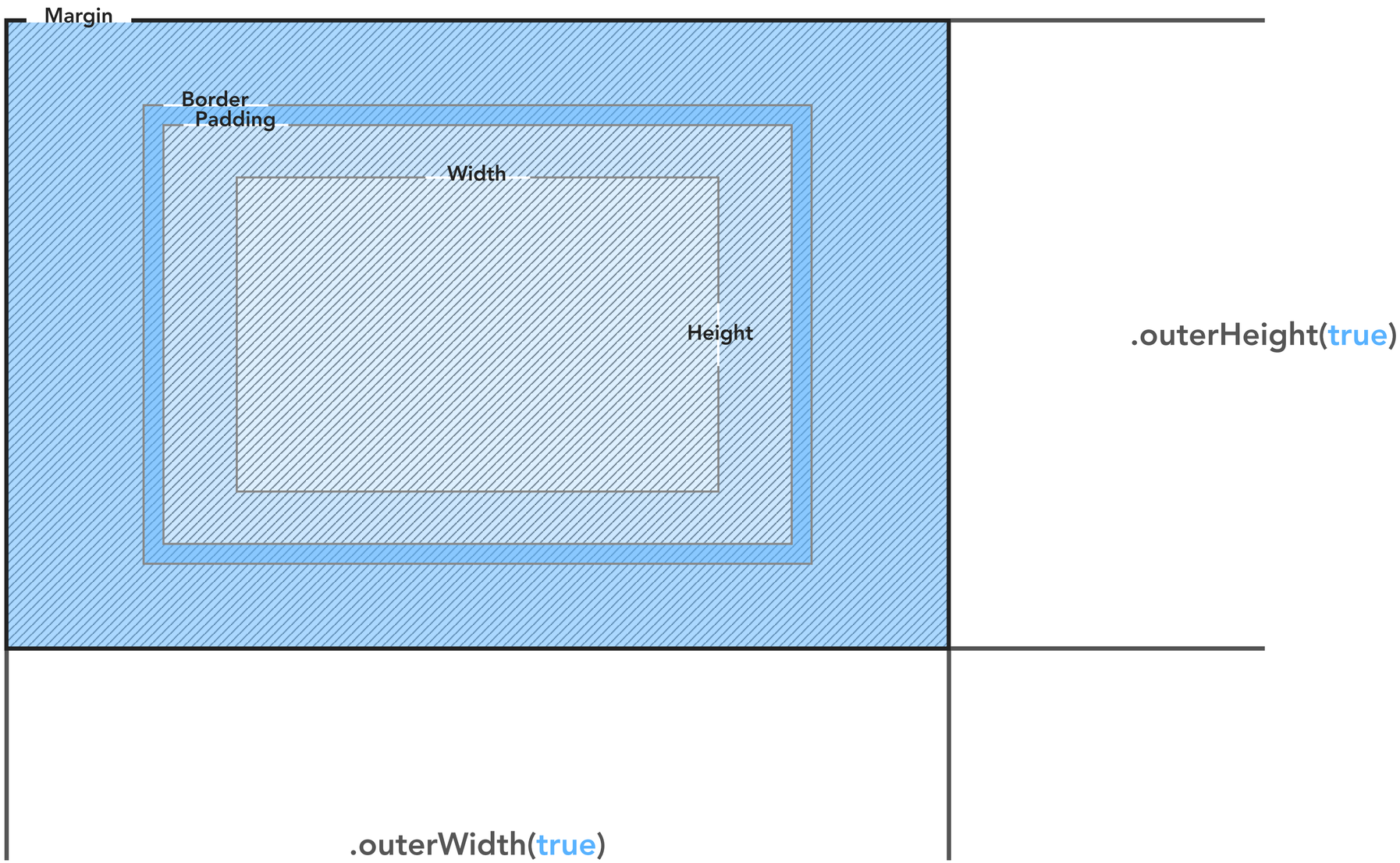
Style Properties - Dimension



Style Properties - Dimension



Style Properties - Dimension



```
$(this).width();
$(this).width(100);
```

```
$(this).innerWidth();
$(this).innerWidth(100);
```

```
$(this).outerWidth();
$(this).outerWidth(200);
$(this).outerWidth(true);
$(this).outerWidth(300, true);
```

```
$(this).height();
$(this).height(100);
```

```
$(this).innerHeight();
$(this).innerHeight(100);
```

```
$(this).outerHeight();
$(this).outerHeight(200);
$(this).outerHeight(true);
$(this).outerHeight(300, true);
```

```
$(this).position();
$(this).position().top;
$(this).position().left;
```

```
$(this).offset();
$(this).offset().top;
$(this).offset().left;
```

```
$(this).scrollTop();
$(this).scrollTop(300);
```

```
$(this).scrollLeft();
$(this).scrollLeft(300);
```

Style Properties - Window scroll

```
$(window).scrollTop();
$(window).scrollLeft();
```