


In-Class Exercise/Demo



In-Class Exercise/Demo

- In today's demo exercise, we will continue use  to test our JavaScript codes.
- But first, head to GAP Week 5 Day 2 and download the zip file [wk1-day2-demo18](#). After downloading, make sure the file is unzipped.
- Similar to the last class set up, for each exercise, you will be given:
 - A link to a CodePen exercise. **Fork** this exercise so it's saved on to your own account. *What is fork? Fork means clone, make a copy, duplicate.*
 - Codes to enter on to your forked CodePen exercise.
- Note: Do not work or make any changes to the original codepen exercise. You should only work on the forked pen that you'd saved.

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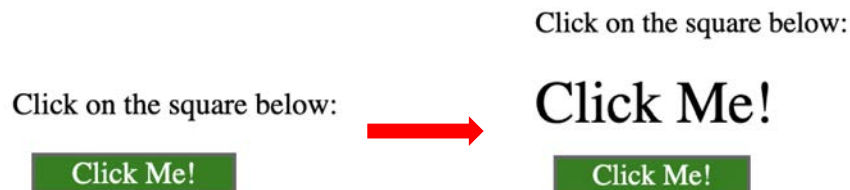
Exercise 1: Using jQuery DOM (text) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/MWbwxGX>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    var content = $(this).html();  
    $("#result").text( content );  
});
```

- On live view, the result is display when click:



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Exercise 2: Using jQuery DOM (replace) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/wvoaOxe>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    $(this).replaceWith("<h1>jQuery is Great</h1>");  
});
```

- On live view, the result is display when click:

Click on the square below:

Click Me!



Click on the square below:

jQuery is Great

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Exercise 3: Using jQuery DOM (remove) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/xxRGBJN>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    $(this).remove( );  
});
```

- On live view, the result is display when click:

Click on any square below:



Click on any square below:



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Exercise 4: Using jQuery DOM (add before) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/NWbqJOa>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    $(this).before('<div class="div">New!</div>');  
});
```

- On live view, the result is display when click:

Click on any square below:



Click on any square below:



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Exercise 5: Using jQuery DOM (append) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/MWbwxLP>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    $(this).append('<div>Word</div>');  
});
```

- On live view, the result is display when click:



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Exercise 6: Using jQuery DOM (clone) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/BaQNbEd>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    $(this).clone().insertAfter(this);  
});
```

- On live view, the result is display when click:

Click on any square below:



Click on any square below:



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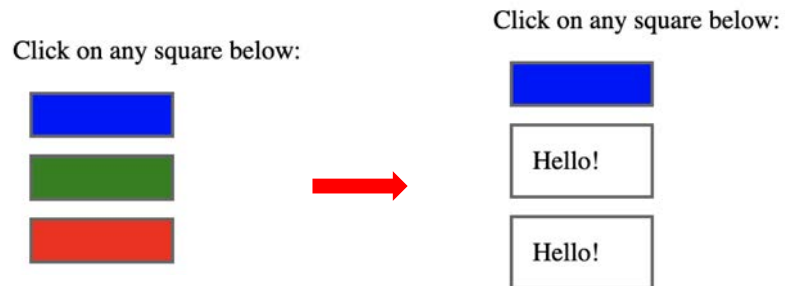
Exercise 7: Using jQuery DOM (replace with) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/gOLpENW>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    $(this).replaceWith( ('<div class="div">Hello!</div>' ) );  
});
```

- On live view, the result is display when click:



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Exercise 8: Using jQuery DOM (changing text content) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/ExNjMqB>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#div").click(function () {  
    var content = $(this).text();  
    $("#result").text(content);  
});
```

- On live view, the result is display when click:

Click on any square below to see the result:

What's My Name?



Click on any square below to see the result:

Sam





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Exercise 9: Using jQuery Event (click) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/YzpXMBE>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$('#div').click(function(){  
  alert('Hi there!');  
});
```

- On live view, the result is display when click:

Click on square below to see the result:





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Exercise 10: Using jQuery Event (event target property) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/RwoPmGY>

- HTML markup is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#p, button, h1").click(function(event){  
  $("#div").html("Triggered by a " + event.target.nodeName + " element.");  
});
```

- On live view, the result is display when click:

This is a heading

This is a paragraph

This is a button

The heading, paragraph and button element have a click



This is a heading

This is a paragraph

This is a button

The heading, paragraph and button element have a click

Triggered by a BUTTON element.



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Exercise 11: Using jQuery Event (bind method) to modify HTML content

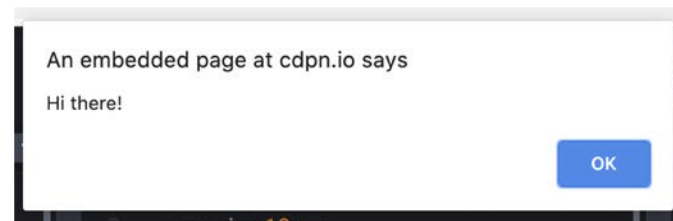
Fork this pen: <https://codepen.io/rloke/pen/LYbVoNO>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$('#div').bind('click', function( event ){  
  alert('Hi there!');  
});
```

- On live view, the result is display when click:

Click on any square below to see the result:





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Exercise 12: Using jQuery Event (hover) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/ExNjJzg>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$( 'div' ).hover(  
  function () {  
    $(this).css({"background-color":"red"});  
  },  
  function () {  
    $(this).css({"background-color":"blue"});  
  }  
);
```

- On live view, the result is display when mouseover:

Click on square below to see the result:



Click on square below to see the result:





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Exercise 13: Using jQuery Event (blur) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/vYyOwBR>

- HTML markup is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#input").blur(function(){  
    alert("Are you sure you are done?");  
});
```

- On live view, the result is display when mouseup:

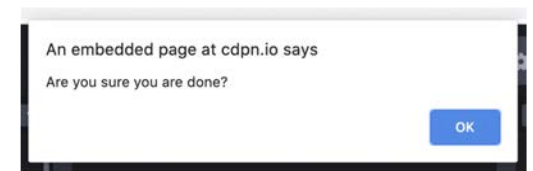
Enter some text

Enter your name:



Enter some text

Enter your name:





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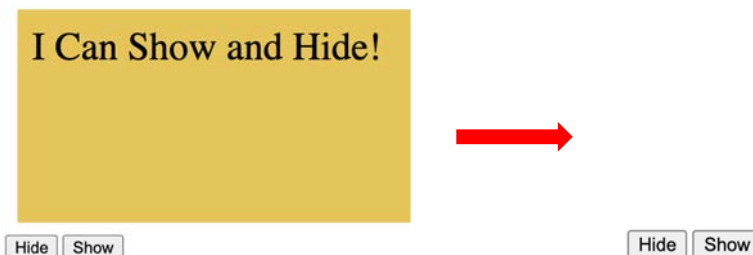
Exercise 14: Using jQuery Effects (show/hide) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/mdOJYmQ>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#show").click(function () {  
    $(".mydiv").show( 1000 );  
});  
  
$("#hide").click(function () {  
    $(".mydiv").hide( 1000 );  
});
```

- On live view, the result is display when click:





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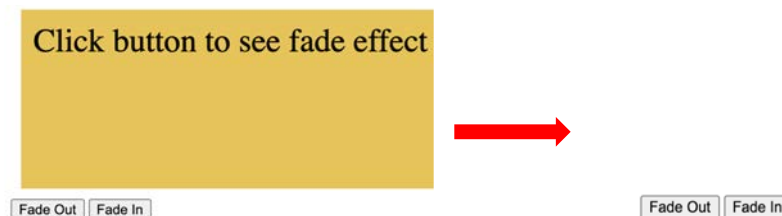
Exercise 15: Using jQuery Effects (fade in/fade out) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/KKNpLEN>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#out").click(function(){  
  $(".mydiv").fadeOut( 'slow')  
});  
$("#in").click(function(){  
  $(".mydiv").fadeIn( 'fast')  
});
```

- On live view, the result is display when click:





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Exercise 16: Using jQuery Effects (slide up/slide down) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/NWbqZKr>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#up").click(function(){  
    $(".mydiv").slideUp('slow');  
});  
$("#down").click(function(){  
    $(".mydiv").slideDown('slow');  
});
```

- On live view, the result is display when click:





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Exercise 17: Using jQuery Effects (animate - left/top) to modify HTML content

Fork this pen: <https://codepen.io/rloke/pen/LYbVKLo>

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. In the JS window, enter the following script within the callback function:

```
$("#p").animate({left: "+=600px"});  
$("#p").animate({top: "+=100px"});
```

- On live view, the result is display automatically:

See this text move



x



See this text move



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- In this last exercise, we will not be using codepen. We will return to VS Code.
- Launch VS Code. Open folder and browse to the [wk1-day2-demo18](#) folder that you'd download from GAP at the beginning of today's demo exercises.
- On the VS Code explorer, notice the file setup: an html file and a folder. Inside this jq folder contains a plain txt file. You may open this file in VS Code to see the content inside it. It's just a simple one line of text.
- Open the [index.html](#) file, and proceed to the next slide.



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Exercise 18: Using jQuery Ajax (load) to modify HTML content

- HTML markup and CSS is already set up for this exercise. We will add jQuery to interact with HTML. Enter the following script within the callback function:

```
$(document).ready(function() {  
    $("#btn").click(function(event){  
        $('#showinfo').load('/jq/text.txt');  
    });  
});
```

- On live view, the result is display when click:

Click button to load /jq/text.txt file

SHOW DATA

Load Data



Click button to load /jq/text.txt file

Good Evening Westcliff Bootcamp!

Load Data



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Submission:

- Post all 17 of your Codepen exercise links on the message box in the dropbox at GAP Week 5 Day 2.
- Submit the last exercise wk1-day2-demo18 as a zip file (**wk1-day2-demo18.zip**) in the same dropbox.
- Post and submit at the end of this class session.