jQuery Cheat Sheet by Irin

to load jQuery library:	
1. create new file	my_library.js
2. in file, define a function	function shoutHello() {
3. function should provide feedback (alert, console log)	alert('Hello World');
	}
4. in html, load file using script tag	<html>
	<head>
	<script src="my_library.js"></script>
	</head>
	<body>
5. call the function in an arbitrary <script> block	<script>
after your library has been loaded with a <script> tag	shoutHello();
	</script>
	</body>
	</html>
to include the jQuery library:	
1. get link of latest version on Google Developers CDN	<script src="https://ajax.googleapis.com/
(Content Delivery Network) index	ajax/libs/jquery/2.1.4/jquery.min.js"></script>
2. download a copy and provide a relative path in your	always first, then your js file link:
project, reference a <script> tag (cut and paste in)	<script src="javascript_file.js"></script>
API library documentation explains functions	http://api.jquery.com/

always use	$(x) - x is a string representing a CSS selector $('body'); $('#events-list'); $('#events-list li'); $('.event');

function takes as an argument a string reprsenting a CSS selector, returns an array of elements matching that selector	function $(selector) {
	  var result;
	  return result;
	}

show or hide element on a page	$('document').hide(); - like display: none $('body').show();
show or hide element on a page using fading animation	$('h1').fadeOut(); $('h2').fadeIn();
an optional argument, time in milliseconds, will fade out over 1 second	$('h3').fadeOut(1000); - 1000 is 1 second
slide elements out of view (hide)	$('h1').slideUp(); $('h2').slideDown(); $('h3').slideUp(1000);

"animate" most CSS properties that are numeric	$('my-element').animate({
	  opacity: 0.25,
	  width: "70%"
	}, 2000);

change an element when it's clicked	$('my-element').click()

button click	html: <button>click me</button>
	js:
	$(document).ready(function() {
	  $('button').click(function() {
	    console.log('clicked');
	  });
	})

click anywhere on page - console log	no html, just js:
	$(document).ready(function() {
	  $('body').click(function() {
	    console.log('clicked');
	  });
	})

click anywhere on page - h1 and h2 hide	$(document).ready(function() {
	  $('body').click(function() {
	    $('h1').hide();
	    $('h2').hide();
	  });
	})

anonymous functions and callbacks

| named function<br>  shoutHello - function name, shoutString - variable name | ```
function shoutHello(shoutString) {
  alert('Hello ' + shoutString + '!');
}
``` |
| to call a named function | `shoutHello('class');` |
| unnamed/anonymous function | ```
function(shoutString) {
  alert('Hello ' + shoutString + '!');
}
``` |
| to call an anonymous function<br>1. assign your function to a variable | ```
var shoutGoodbye = function(shoutString) {
  alert('Goodbye ' + shoutString + '...');
}
``` |
| once assigned, call using var name | `shoutGoodbye('stranger');` |
| 2. pass your anonymous function as an argument to another function | ```
function loopThenExec(num, func) {
  for (var i=0, i<100, i++) {
    console.log(i);
  }
  func();
}
``` |
| this is a callback - a function called within another function<br>1. typically called when parent function finishes executing<br>2. parent calls back with the child function | ```
loopThenExec(1000, function() {
  console.log('Loop is complete');
})

$(".menu").show( function() {
  $(".menu").animate({ opacity: .5});
});

<script>
  $('button').click(function() {
    console.log('Hello world!');
  });
</script>
<button>Click me!</button>
``` |
| setting up an event listener but the element to which we are listening is not yet present, so use:<br>conventional to wrap all your code in this callback so all elements you wish to select will be on the page | ```
$(document).ready() {
  //the code that will execute once document has loaded
});
$(document).ready(function() {
  //the code that will execute once document has loaded
});
``` |
| to use, pass an anonymous function as a callback to the ready method | ```
$(document).ready (
  //the code that will execute once document has loaded
  function(){
    alert('Document is ready!');
  }
);
``` |

| #1: your function | ```javascript
function() {
  console.log('Hello');
}
``` |
| and your jQuery effect | ```javascript
$('h1').hide()
``` |
| #2: put the function in the jQuery effect's variable name brackets | ```javascript
$('h1').hide(function() {
  console.log('Hello');
})
``` |
| #3: add ready method | ```javascript
$(document).ready()
``` |
| with your new function | ```javascript
function() {
  $('h1').hide(function() {
    console.log('Hello');
  });
}
``` |
| 4. put the new function in the ready method's brackets

this is all you need and it will hide h1 headlines and print 'Hello' in the console | ```javascript
$(document).ready(function() {
  $('h1').hide(function() {
    console.log('Hello');
  });
})
``` |