

JQUERY BUILDING BLOCKS

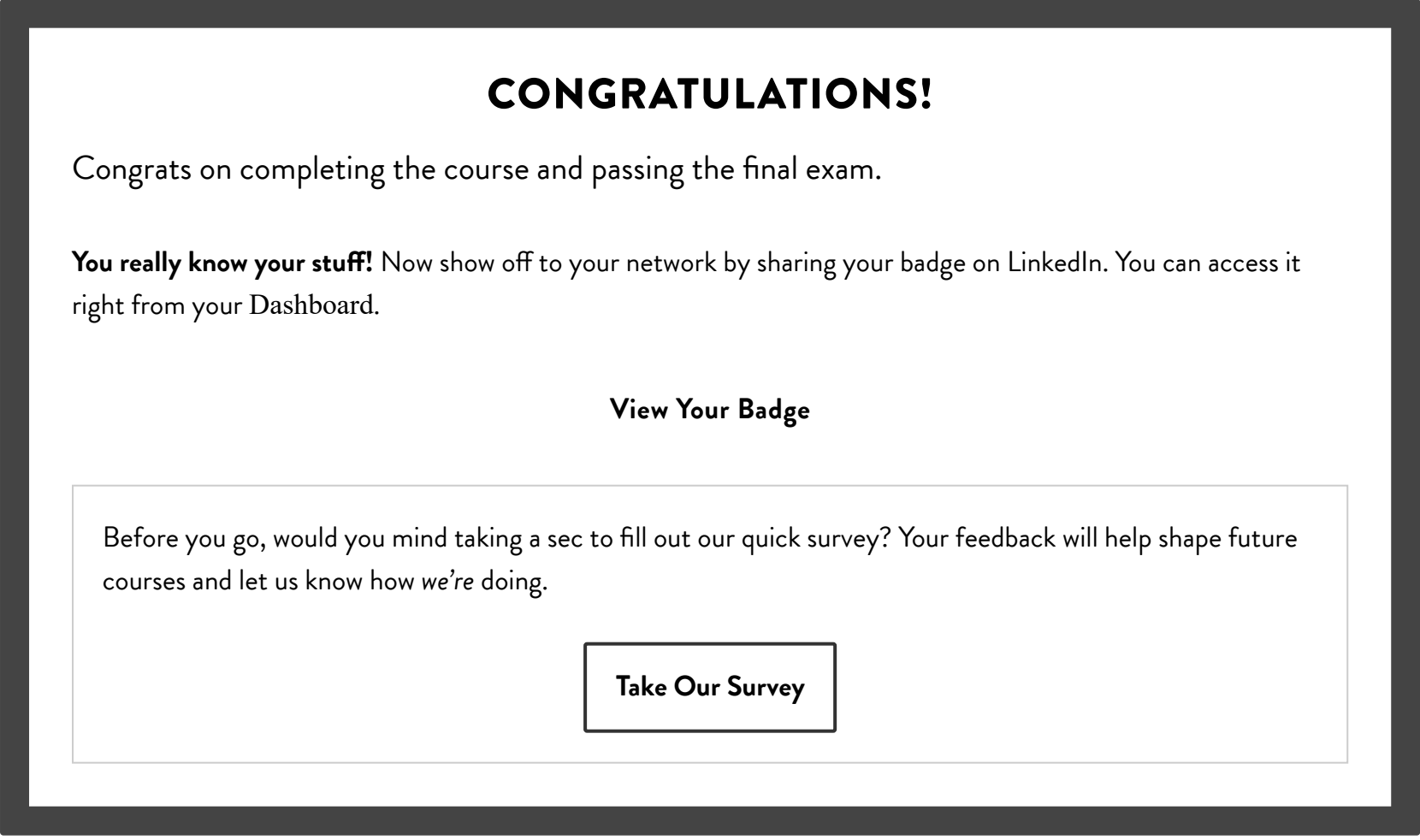
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Final Exam

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FINAL EXAM (100/100 POINTS)



You're ready for your final exam!

Remember:

- The exam is not timed.
- You need a score of 85% or higher to receive a Certificate of Excellence.

Instructions:

- You have **two attempts** to pass the exam. You may press **Save** at any time to save your answers indefinitely.
- When you're ready to submit your answers, press **Check**. You will see which answers you got right or wrong, and your grade will be at the top.
- If your score is 85% or higher, you will receive a Certificate of Excellence automatically.
- If your score is less than 85%, you may go back one more time to try for a passing grade. Take time to study your incorrect answers and reread the course material as needed. When you're ready, revise your answers and press **Final Check**. You'll see a notification whether you've passed or not.

Good luck!

1) What is jQuery?

- ☐ The most popular JavaScript augmentation library
- ☐ A set of tools to make hard things easy
- ☐ A robust ecosystem of sophisticated plugins

☒ All of the above

2) What symbol is the jQuery object itself?

☐ #

☐ ~

☒ \$

☐ .

3) Which of the following selects all image elements in the document?

☐ \$()

☒ \$('img')

☐ \$('*img')

☐ \$('*.img')

4) What is the jQuery method to trigger animations on an element?

☐ \$(selector).animation()

☒ \$(selector).animate()

☐ \$(selector).anime()

☐ \$(selector).anin()

5) Choose the correct ordering of the arguments in `jQuery.animate`

☐ timing function, properties, duration in milliseconds

☐ timing function, duration in milliseconds, properties

☒ properties, duration in milliseconds, timing function

☐ duration in milliseconds, timing function, properties

6) How do you include a plugin in your page?

☐ Download its code file and put it in a folder in your project

☐ Download its code file, add it to your project, and include it with a `<style>` tag

☐ Download its code file, add it to your project, and include it in your page's very first `<script>` tag

☒ Download its code file, add it to your project, and include it in a `<script>` tag after jQuery's own `<script>` tag

7) What is the correct syntax for getting the nth jQuery item in a jQuery list? Your list is called `$elements`.

☐ \$elements(n);

☒ \$(\$elements[n]);

☐ \$elements[n];

☐ \$(\$elements)[n];

8) What is the correct syntax for iterating through each item of a jQuery list called `$elements` ?

☒ `$elements.each(function(index, element) {...code...});`

☐ `$elements.each(...code...);`

☐ `$elements.forEach(function(index, element) {...code...});`

☐ `$elements.each(function(element, index) {...code...});`

9) Which of the following commands will add the myPlugin method as a plugin?

☒ `jQuery.fn.myPlugin = function() {...};`

☐ `jQuery.myPlugin = function() {...};`

☐ `jQuery.plugin('myPlugin', function() {...});`

☐ `jQuery = function myPlugin() {...};`

10) You can think of the `this` keyword as the object whose method is being called. In the following method call, what is the value of `this` ?

`$('#categories > h3').myPlugin()`

☐ window

☐ \$('#categories')

☐ \$(document.body)

☒ \$('#categories > h3')

11) In the context of this lesson, what is an "event"?

☐ The server performing a database call

☐ The browser closing your page due to bad syntax

☒ The browser indicating that something has happened

☐ An unexplained power grid incident

12) For which of these things does the browser trigger an event?

☐ The user using the mouse

☐ The user using the keyboard

☐ The server replying to a network request

☒ All of the above

13) Which of the following will hide a visible element?

☒ `$(selector).css('display', 'none');`

☐ `$(selector).display('none');`

☐ `$(selector).css('display');`

☐ Any of the above.

14) The browser does not provide a compound event for dragging (jQuery UI provides one you can use), but you can listen for atomic events yourself. What sequence of events make up a drag?

- ☐ mousedown, no more than one mousemove, mouseup
- ☐ mousedown, mouseleave, mouseup
- ✓ ☒ mousedown, more than one mousemove, mouseup
- ☐ keydown, keyup, keypress

15) Which of the following sets up an event handler to fire when the user changes the value of a text area or input field?

- ☐ \$(selector).on('change', function() {...});
- ☐ \$(selector).on('keydown', function() {...});
- ☐ \$(selector).on('input', function() {...});
- ✓ ☒ \$(selector).on('propertychange input', function() {...});

16) If an event's target element (for example, the one you clicked on) doesn't handle an event, that event's parent element will be given a chance to handle it, and so on. This is delightfully called "event bubbling." Which of the following ensures that the event being handled originated from the handling element, rather than from one of its children?

- ☐ \$(selector).click(function() { if (this.evt.target === this) return; ... });
- ✓ ☒ \$(selector).click(function(evt) { if (this !== evt.target) return; ... });
- ☐ \$(selector).click(function(evt) { if (evt.target(this)) return; ... });
- ☐ None of the above.

17) Which of the following types of values are allowed in JSON?

- ☐ Objects – {} – and arrays – []
- ☐ Boolean values: true and false
- ☐ Strings in double-quotes and decimal numbers
- ✓ ☒ All of the above

18) Which of the following is the jQuery method for requesting data from the server?

- ☐ \$(url).ajax(options);
- ☐ \$.xhr(options);
- ☐ \$(url).xhr(options);
- ✓ ☒ \$.ajax(options);

19) Requesting data is no use if you can't do anything with it. Which of the following will give you access to the data once it successfully returns?

- ☐ \$.ajax({ url: url, success: function(data) {...} });
- ☐ \$.ajax({ url: url, complete: function(data) {...} });
- ☐ \$.ajax({ url: url }).done(function(data) {...});
- ✓ ☒ All of the above

20) When using \$.ajax() to request data from another server, like forecast.io or api.worldbank.org, which of the following must you specify for the dataType option?

- ☐ "xml"
- ☐ "json"
- ✓ ☒ "jsonp"
- ☐ "html"

FINAL CHECK

SAVE

You have used 1 of 2 submissions

CONGRATULATIONS!

Congrats on completing the course and passing the final exam.

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