

UNIT 7 REVIEW GUIDE

KEY TERMS & DEFINITIONS

On() Method

Allows us to attach an event handler function for one or more events to the selected elements.

Types of events

To listen for one of these events, we'll need to pass in the name of the event as the first parameter for the `on()` method:

jQuery Event Object Properties & Methods

jQuery Event Object Properties

`type` - tells us what type of event occurred (i.e. 'click', 'focus', etc.)

`which` - Used for key or mouse events to tell us which button or key was pressed.

`target` - Lets us know which specific DOM element triggered the event.

jQuery Event Object Methods

`preventDefault()` - Prevents the default action of the event. Common uses include preventing clicked anchors from taking the browser to a new URL or refreshing the page and preventing submit events from submitting a form and refreshing the page.

`stopPropagation()` - Stops the event from bubbling up to ancestors.

Event Delegation

When we pass in a second parameter to filter down an event to descendants that match the parameter

We will also want to use event delegation to tie events to elements that do not yet exist on the page.

Animation Duration (Animation Speed)

Parameter following animation methods specifying how long animation will run. Written in milliseconds or using one of jQuery's predefined speeds ('slow', 'normal', or 'fast').

GUIDING QUESTIONS

1. How are events added using jQuery?
 2. What are the different types of events we can listen for?
 3. How can events be added for elements that do not exist when the page loads? 4. How can we find out more information about an event that occurred?
 4. How could you prevent the page from refreshing when a form is submitted?
 5. Which animation/effect method could you use to hide elements that are currently showing and show elements that are currently hidden?
 6. How can an animation duration be specified for one of jQuery's animation/effect methods?
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METHODS

Event Object Properties and Methods

Description

type	jQuery event object property; tells us what type of event occurred (i.e. 'click', 'focus', etc.).
which	jQuery event object property; tell us which button or key was pressed during a key or mouse event.
target	jQuery event object property; lets us know which specific DOM element triggered the event.
preventDefault()	jQuery event object method; prevents the default action for elements
stopPropagation()	jQuery event object method; stops the event from bubbling up to ancestors

Animation/Effect Method

Description

.hide()	jQuery animation; hides content
.show()	jQuery animation; shows content that is not currently being displayed
.fadeIn()	jQuery animation; used to fade in elements that are currently hidden
.fadeOut()	jQuery animation; used to fade out elements currently being displayed
.fadeToggle()	jQuery animation; fades out elements that are visible and fades in elements that are hidden (switches to element's opposite state)
.slideUp()	jQuery animation; hides selected elements with a sliding motion
.slideDown()	jQuery animation; appears selected elements with a sliding motion
.slideToggle()	jQuery animation; hides elements that are currently showing and shows elements that are currently hidden, using a sliding motion

**jQuery
Events****Description**

click	Mouse event; When user clicks on an element
dblclick	Mouse event; When user double-clicks on an element
mouseenter	Mouse event; When the user's cursor enters an element
mouseleave	Mouse event; When the user's cursor leaves an element
keypress	Keyboard event; When user presses any character key or holds down any character key
keydown	Keyboard event; When user presses any key (including special or non-character key)
keyup	Keyboard event; When user releases a key
submit	Form event; When user submits a form
change	Form event; When user types a character into an input/textarea, or makes a selection with their mouse for select menus, checkboxes, and radio buttons
focus	Form event; When user clicks or tabs into an input
blur	Form event; When user clicks or tabs away from an input
resize	Document event; When user resizes the browser window
scroll	Document event; When user scrolls to a different place in an element