LESSON 7: EVENTS

EVENTS

Events are _____ released by elements in a document when they _____ in some way. For example:

» Elements load, triggering the DOM to be updated. When all elements are loaded the document issues a "_____" event.

» Elements are able to be affected by the user. A whole host of _____ events indicate user inter-actions: _____, _____, _____, _____, etc.

EVENT BINDING

We must set up event _____ and connect them to functions that respond to, or _____, the event.

Event listener:

```
$(__1__).on(__2__, __3__);
```

1. Selector for an element in the desired event's _____ _____.

2. The _____ _____ as a string.

3. The name of a _____ function that acts as the event _____.

Event handler function structure:

```
function __1__(e) {
    __2__
}
```

1. Name of the function.

2. Code that _____ to the event.

[Scripting]

Sometimes it suffices to package the listener and handler in an all-in-one structure.

Event listener (all-in-one):
```
$(__1__).on(__2__, function(e){
    __3__
});
```

1. Selector for an element in the desired event's _____ _____.

2. The _____ _____ as a string.

3. Code that _____ to the event.

EVENT FLOW

```
<html>
    ...
    <body>
        ...
        <ul>
            <li class="product" id="product-1244432">
                <a href="#product-1244432-modal" class="modal-link">
                    <img src="images..." />
                    <h3 class="title">Hi Ho Cherry-o</h3>
                    <p>Description...</p>
                </a>
                <div class="modal" id="product-1244432-modal">
                    ...
                </div>
            </li>
            ...
        </ul>
        ...
    </body>
</html>
```

» Delegation is listening for an event _____ in the DOM tree and can improve _____.

» _____ - the element that _____ the event

» _____ - the element that is _____ to the event; the element on which we set the _____

COMMON EVENT OPERATIONS

Stop the default _____ of the event:

Convert the event's _____ _____ to a jQuery object and store it:

Convert the _____ _____ in the event flow to a jQuery object and store it: