

Advanced Techniques in JavaScript and jQuery

Advanced Event Handling

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Advanced jQuery Event Handling

- ❑ Attaching events without shorthand methods
- ❑ Named Function
- ❑ Event Namespaces
- ❑ Delegation
- ❑ Custom Events
- ❑ Passing Event Parameters

Event Namespace

- **Namespace**
 - Allows grouping of events
 - Provides ability to narrowly target removal of event handlers
 - Multiple namespaces can be included
 - Namespaces are not hierarchical

Delegation

- Bind event handlers higher in the DOM
 - Efficiency
 - Centralized processing

- List Header
 - List Item 1
 - List Item 2
 - List Item 3
 - List Item 4
 - List Item 5
 - List Item 6

```
• L $('li').live('click', function(event)
    { // Process click event
    })
})
```

Custom Events

- Create new events for DOM elements
- Create events for regular objects
- Initiate a custom event with `.trigger()`

Event Parameters

- Additional data can be passed to event handler functions
- Include data in jQuery .trigger() method
- Include data in jQuery .on() method
- Parameter type should be array or object

Summary

- `.off()` method can remove more than we attached
- Event handlers can be associated with specific event namespaces for easier management and removal
- Delegation is a good way to reduce the number of attached event handlers
- Custom events are processed in the same manner as system events
- Additional data can be passed to an event handler for either a custom event or a system event