

The jQuery library provides a general (cross-browser) abstraction layer for Web script programming, making it suitable for almost any script programming situation. It encapsulates commonly used functional codes of JavaScript, provides a convenient JavaScript design pattern, optimizes HTML document operations, event processing, animation design, and Ajax interaction.

jQuery have provide us with the following functions:

1. Respond to user interaction:

Query provides an appropriate way to intercept all kinds of page events (such as the user clicking a link) without using event handlers to break up HTML code.

```
$('#button.show-details').click(function() {  
    $('#div.details').show();  
});
```

2. Simplify common JavaScript tasks.

3. Unified Ajax operation: unifies Ajax operations of multiple browsers

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