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A JavaScript library which simplifies programming and is easy to learn.

Among the most widely used JS libraries on the Internet

- jQuery syntax
- HTML & CSS manipulation through jQuery
- How to include it in a project?
- Online resources
- Demo of get and set methods
- Lab activity (graded)

jQuery Syntax

	JavaScript	jQuery
Hide an element with ID: "abcd" on click	<pre>var a = document.getElementById("abcd"); a.onClick(function () { a.hidden = true; });</pre>	<pre>\$("#abcd").click(function () { \$(this).hide(); });</pre>

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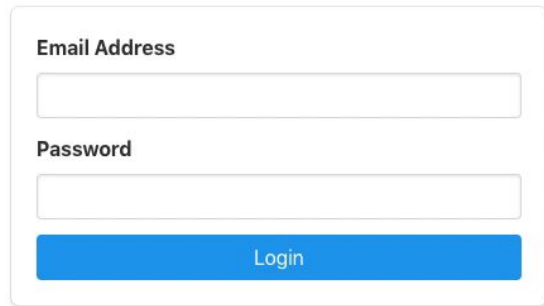
selector

jQuery HTML, CSS Manipulation

- DOM structure and content manipulation
 - Get or set content or HTML of element
 - Add or remove content from element
- Style manipulation
 - Add and remove class from element
 - Get and set style attributes of element

Examples

Invalid input warning



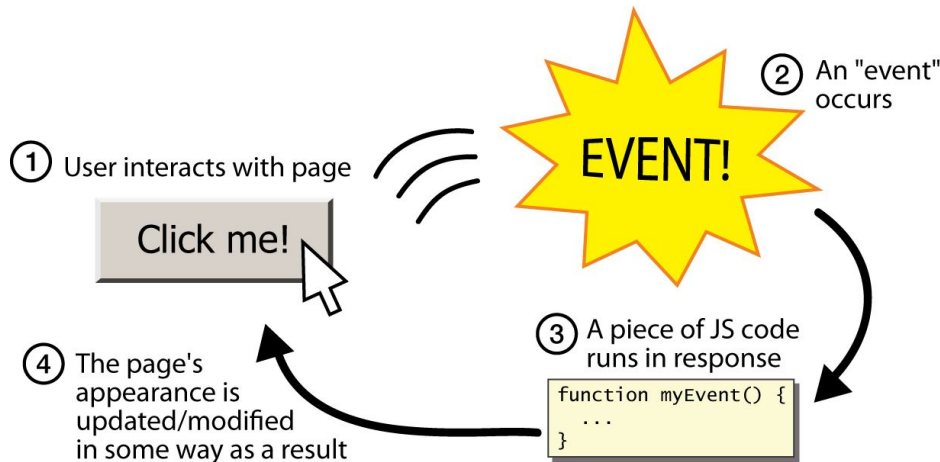
A login form with a light gray border. It contains two input fields: 'Email Address' and 'Password'. Below the password field is a blue 'Login' button. The form is currently empty, but the title 'Invalid input warning' suggests it might be demonstrating a validation error state.

Drop-down menu



jQuery Events

- Events are different visitors' actions that a page can respond to
 - Mouse events
 - click, dblclick, mouseenter, mouseleave
 - Keyboard events
 - keydown, keyup, keypress
 - Form events
 - submit, change, focus, blur
 - Document/window events
 - load, resize, scroll, unload



How to include jQuery library in my project?

- CDN

```
<script  
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">  
  
</script>
```

- Download jQuery file and include it using script tag like above.

Online Resources

- [W3Schools Online Web Tutorials](#)
- [freeCodeCamp.org: Learn to code at home](#)
- [jQuery API Documentation](#)