

# jQuery Events and Effects

## Web Technologies



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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```



# What we will cover

- **Effects methods**
- **Animation method**

# jQuery Event Methods 1

- mouseenter (handler)

```
$("#someElement").mouseenter (function () {  
    $(this).css("color", "red");  
});
```

# jQuery Event Methods 2

- **mouseover (handler)**
- **mouseout (handler)**
- **hover (handlerIn, handlerOut)**

```
$("#im").hover(  
    () => alert ("mouse hovers"),  
    () => alert ("mouse leaves")  
);
```

# jQuery Event Methods 3

- on (events, handler)
- off (events,[handler])
- Syntax

`$(selector).on ("event1, event2", handler)`

- Example

```
$("#clear").on ("click, mouseenter", () => {...});
```

```
$("#clear").off ("click, mouseenter");
```

# jQuery Event Methods 4

- **one (event, handler)**

```
$("#clear").one("click", () => {...});
```

- **trigger (event)**

```
$("#someElement").on("otherEvent", function () {  
  console.log ("The event is called");  
});
```

```
$("#someElement").trigger("otherEvent");
```

# jQuery Effect Methods

**show()**

**hide()**

**toggle()**

**slideDown()**

**slideUp()**

**slideToggle()**

**fadeIn()**

**fadeOut()**

**fadeToggle()**

- **Syntax**

**methodName([duration][, callback])**



# fadeTo()

- Syntax

**fadeTo(duration,opacity[, callback])**

- Example

**\$("#startup\_message").fadeTo(5000, .2).fadeTo(1000, 1);**

# Effect Methods in the FAQs Application

```
$(document).ready( () => {  
  
  $("#faq h2").click( evt => {  
    const target = evt.currentTarget;  
    $(target).toggleClass("minus");  
    if ($(target).attr("class") != "minus") {  
      $(target).next().fadeOut(1000);  
    }  
    else {  
      $(target).next().slideDown(1000);  
    }  
  });  
});
```

## jQuery FAQs

+ What is jQuery?

- Why use jQuery?

Three reasons:

- It's free.
- It lets you get more done in less time

+ Which is harder to learn: jQuery or JavaScript?

# Try It Yourself

In this activity, you can practice using the jQuery effect methods. So,

1. Use the codes in slide 13 to add the effect methods into FAQs Web Application.