

## MODULE PRACTICE

### jquery fadeOut effect method

```
// The '#menu' element will gradually disappear from
// the page when the '#menu-button' is clicked.
$('#menu-button').on('click', () => {
  // equivalent to $('#menu').fadeOut(400, 'swing')
  $('#menu').fadeOut();
});
```

The jQuery `.fadeOut()` effect method causes an element and the space it was occupying to gradually disappear from the page. The method takes *optional* parameters.

The first optional parameter specifies the duration of the fading effect. The default value is 400 milliseconds.

The second parameter specifies an “easing” function that determines the speed of the fading effect at different points in the animation. The default value is ‘swing’, where the fade-out effect is slower at the beginning/end and faster in the middle.

### jquery show effect

```
//Instantly reveals the '#menu' element when the '#show-
menu-button' is clicked.
$('#show-menu-button').on('click', () => {
  $('#menu').show();
});
```

The jQuery `.show()` effect method causes an element, assuming it is hidden, to instantly appear on the page.

## jquery hide effect

```
//The '#menu' element will disappear instantly from the page
when the '#hide-menu-button' is clicked.
$('#hide-menu-button').on('click', () => {
  $('#menu').hide();
});
```

The jQuery `.hide()` effect method causes an element and the space it was occupying to disappear instantly from the page. When executed, the browser will render the HTML as if the hidden element does not exist.

## jquery slideDown method

```
// The '#menu' element will gradually appear on
// the page by sliding down its content when the
// '#menu-button' element is clicked.
$('#menu-button').on('click', () => {
  // menu appears over 400ms duration
  $('#menu').slideDown();
});
```

The jQuery `.slideDown()` effect method causes a hidden element to gradually appear on the page by sliding down its content.

This method takes an optional parameter that specifies the duration of the effect in milliseconds. If not specified, the default value of 400 milliseconds is used.

## jquery fadeIn effect method

```
// The '#menu' element will gradually appear
// on the page when the '#menu-button' is clicked.
$('#menu-button').on('click', () => {
  // equivalent to $('#menu').fadeIn(400, 'swing')
  $('#menu').fadeIn();
});
```

The jQuery `.fadeIn()` effect method causes a hidden element to gradually appear on the page. The method takes *optional* parameters.

The first optional parameter specifies the duration of the fading effect. The default value is 400 milliseconds.

The second parameter specifies the name of an “easing” function that determines the speed of the fading effect at different points in the animation. The default value is ‘swing’, where the fade-in effect is slower at the beginning/end and faster in the middle.

## jquery effects

```
// The .show() effect causes the #menu element to
// appear once the #menu-button element is clicked.
$('#menu-button').on('click', event => {
  $('#menu').show();
});
```

*jQuery Effects* are jQuery object methods used to add animation and dynamic behavior to page elements. Effects can be used to show or hide elements, fade elements in and out, and more.

## jquery toggle effect

```
//The '#menu' element will alternate between being displayed  
and hidden every time the '#menu-button' is clicked.  
$('#menu-button').on('click', () =>{  
    $('#menu').toggle();  
});
```

The jQuery `.toggle()` effect method combines the effects of the `.hide()` and `.show()` methods. Every time the event listener is triggered, the element will alternate between displayed on the page and hidden from the page.

## jquery slideUp method

```
// The '#menu' element will gradually disappear  
// from the page by sliding up its content when  
// the '#menu-button' is clicked.  
$('#menu-button').on('click', () => {  
    // slide up over half a second  
    $('#menu').slideUp(500);  
});
```

The jQuery `.slideUp()` effect method causes an element and the space it was occupying to gradually disappear from the page by sliding up its content.

This method takes an optional parameter that specifies the duration of the effect in milliseconds. If not specified, the default duration is 400 milliseconds.

## jquery slideToggle method

```
// The '#menu' element will alternate between  
// gradually sliding down and gradually sliding up  
// every time the '#menu-button' is clicked.  
$('#menu-button').on('click', () => {  
    $('#menu').slideToggle();  
});
```

The jQuery `.slideToggle()` effect method combines the effects of the `.slideDown()` and `.slideUp()` methods. This causes the element to alternate between gradually appearing by sliding down and gradually disappearing by sliding up every time the event listener is triggered.

The `.slideToggle()` method takes an optional parameter that specifies the duration of the effect. If not specified, the default value is 400 milliseconds.