jQuery Assignment

• What is jQuery?

jQuery is a jQuery is a fast, small, and feature-rich JavaScript library. It simplifies things like HTML document traversal and manipulation, event handling, and animation, making it easier to create dynamic and interactive web pages. jQuery is cross-platform and compatible with different browsers. Fast, small, and feature-rich JavaScript library. It simplifies things like HTML document traversal and manipulation, event handling, and animation, making it easier to create dynamic and interactive web pages. jQuery is cross-platform and compatible with different browsers.

• How to Apply CSS Using jQuery, How to Add Class and Remove Class In jQuery, jQuery Animation?

In this example, the jQuery script adds the "highlight" class to the paragraph with the ID "example" when the document is ready. After a delay of 2000 milliseconds (2 seconds), it removes the "highlight" class.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>jQuery CSS Example</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<style>

.highlight {

color: red;

font-weight: bold;

}

</style>

</head>

<body>

<p id="example">This is an example paragraph.</p>

<script>

$(document).ready(function(){

// Add a CSS class

$("#example").addClass("highlight");

// Remove a CSS class after a delay

setTimeout(function(){

$("#example").removeClass("highlight");

}, 2000);

});

</script>

</body>

</html>

A close up of a logo

Description automatically generated

A close-up of a white background

Description automatically generated

**jQuery Animation:**

jQuery provides various methods for animation. Here's a simple example of fading in an element:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>jQuery Animation Example</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<style>

#box {

width: 100px;

height: 100px;

background-color: blue;

display: none; /\* Initially hidden \*/

}

</style>

</head>

<body>

<div id="box"></div>

<script>

$(document).ready(function(){

// Fade in the box over 1 second

$("#box").fadeIn(1000);

});

</script>

</body>

</html>

A blue square with a white background

Description automatically generated

In this example, the fadeIn method is used to gradually display the element with the ID "box" over a period of 1000 milliseconds (1 second).

• How to create slider with animation?

**Creating a Slider with Animation:**

For a simple slider with animation, you can use the jQuery UI library, which extends jQuery with user interface interactions.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>jQuery Slider Example</title>

<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

<script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>

<link rel="stylesheet" href="https://code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">

<style>

#slider {

width: 80%;

margin: 20px auto;

}

</style>

</head>

<body>

<div id="slider"></div>

<script>

$(document).ready(function(){

// Create a slider with animation

$("#slider").slider({

min: 0,

max: 100,

value: 50,

slide: function(event, ui) {

// Do something with the slider value

console.log(ui.value);

}

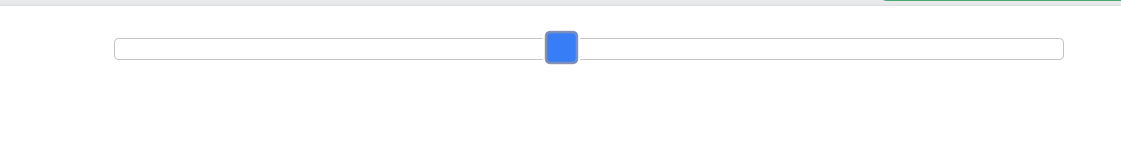
});

});

</script>

</body>

</html>



In this example, the jQuery UI library is used to create a slider with animation. The slide event is triggered whenever the slider is moved, allowing you to perform actions based on the slider's value.